



Sustainable Jersey Community Certification Report

This is the Sustainable Jersey Certification Report of Glen Rock Boro (Bergen), a Sustainable Jersey silver certified applicant.

Glen Rock Boro (Bergen) was certified on December 10, 2018 with 485 points. Listed below is information regarding Glen Rock Boro (Bergen)'s Sustainable Jersey efforts and materials associated with the applicant's certified actions.

Contact Information

The designated Sustainable Jersey contact for Glen Rock Boro (Bergen) is:

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Sustainability Actions Implemented

Each approved action and supporting documentation for which Glen Rock Boro (Bergen) was approved for in 2018 appears below. Note: Standards for the actions below may have changed and the documentation listed may no longer satisfy requirements for that action. Additionally, points associated with actions prior to 2013 certifications may not be accurate.

Animals in the Community

Animals in the Community Education

10 Points

Program Summary:

Glen Rock is fortunate to have a beautiful nature area at the Thielke arboretum: many volunteers work there year-round to keep it clean and protected. They plant native plants, run numerous educational events for school-age children and adults, and it is home to many wild animals, including deer, foxes, birds etc etc. Educational events include bird watch walks (<https://www.glenrockarboretum.org/bird-watching-tour.html>), the summer and fall, "story walks" (<https://www.glenrockarboretum.org/events.html>), the nature journalism workshops, the "Bugs in the brook" event (<https://www.glenrockarboretum.org/bugs-in-a-brook.html>). Through hands-on investigation and walks through the Arboretum, children learn how plants, insects and animals work together. In addition to the specific educational programs, many families often just walk freely to the arboretum during and this offers the opportunity to sensitize children to the beauty of nature and hopefully generate love and respect for nature. Because of the richness in natural vegetation and animals the Arboretum is a big attraction for many nature photographers, including residents and not. It is common to see stunning pictures posted by two resident photographers, and Green team members, on the Glen Rockers on Facebook and these postings often receive so many accolades. Recent examples are pictures of a baby hawk last spring 2017, and pictures of a red fox posted in fall 2017. The specific location of the sightings is often kept confidential and residents appreciate the respect for the animals. The construction of an education building has recently received council approval and this is currently underway. The GREC, which is often closely collaborating with the Arboretum on public outreach and education events, has been very supportive of this effort and we are looking forward to new programs that will take place in the building soon. Another important educational program takes place at the Glen Rock Public Library: "Paws for reading" where children ages 5 and up can make friends with well-behaved certified therapy dogs while practicing their reading and public speaking skills. It is a good example of animals helping the community, and has had a huge impact on autism awareness and other special needs.

 Bird watching May 2016, led by Green team member

 Great Blue Heron crossing the street - Green team member posting Sept 2017

 Two foxes at the Arboretum - Green tem member Sept 2017

 Assisting an injured red tail hawk - green team member Summer 2017

 "Paws for reading" at GR public Library

Companion Animal Management Pledge

5 Points

Program Summary:

Glen Rock is a community that is fond of companion animals. There are more than 100 dogs and 200 plus cats registered and licensed in the Borough. Various ordinances already existed in Glen Rock's municipal code (Chapter 2 Article I) regarding the regulation and care of animals. Free rabies clinics are held every year in January in conjunction with the licensing deadline. On March 12, 2018 the boro council adopted the Companion Animal Management Pledge Resolution 108-18 and on April 3, 2018, a memo was sent to appropriate boro personnel advising that the resolution had been passed and requesting that notification be shared with relevant committee, commission, board members and boro staff named in the memo.

-  Resolution pledge Companion Animal Mngmt
-  Memo sent to boards/commissions informing of Resolution
-  Ordinance 1291 - Licensing dogs
-  Ordinance 1291 - Cats
-  Borough website - licensing reminder and free rabies clinic

Pledge Supporting NJ Wildlife Action Plan

10 Points

Program Summary:

Glen Rock is very dedicated to conserving natural lands and protecting our beautiful Arboretum and the remaining open areas within the Borough that are home to a diverse wildlife population from pollution and development. On March 12, 2018 the borough council adopted the Pledge Resolution #107-18 supporting the state of New Jersey Wildlife Action Plan and on April 4, 2018, a Memo was sent to appropriate borough personnel and relevant boards advising that the resolution had been passed and requesting that notification be shared with relevant committee, commission, board members and borough staff. The Memo included the Resolution as well as the NJ Wildlife Action plan: http://www.state.nj.us/dep/fgw/ensp/wap/pdf/wap_plan17.pdf.

-  Resolution pledge for NJ Wildlife
-  MEMO to boards/staff informing of the Resolution

Arts & Creative Culture

Establish a Creative Team

10 Points

Program Summary:

The Glen Rock Creative Art Tem has been created in April 2017 as a sub-committee of the Glen Rock Environmental Commission. The goal of the Team, as articulated in the Mission Statement is the following: "The Glen Rock Creative Arts Team fosters creativity and collaboration through the arts in order to support environmental, economic or social sustainability in Glen Rock". The Creative Team's focus is to help residents build a more creative community and improve local business vitality, and community spirit, thereby promoting multiple types of support for the arts, in a positive and inclusive manner. The geographic area covered by the Creative Team comprises the Borough of Glen Rock. Some of the projects executed during the summer 2017 as public art projects in collaboration with the Glen Rock Farmer's Market include: - "Take a Seat": adirondack chairs were collaboratively painted to be then enjoyed for all Glen Rockers at GR town hall. - "Tiny Art": children made tiny paintings & drawings that were successively strung between the trees at town hall. - "Bird House Borough": children and adults painted bird houses, later hung around town. - "Feather Selfie Installation": feathers were designed and then individually painted by the public. Once assembled into wings, selfies were taken by Farmer's Market's attendees. Planned projects include: - partner with the newly constructed Environmental Education Center opening at the Glen Rock Arboretum in Spring/Summer 2018: the Creative Art green team is organizing a nature photo exhibit featuring photos by two resident photographers. - hypertufa outdoor planters will be made by volunteers and placed in various locations in town. - brainstorm with the Mayor about ideas on how to decorate an Alcove section located downtown Glen Rock currently being designed to revitalize the location.

-  GREC meeting Minutes establishing the Creative Art Team
-  Creative Art Team Members
-  Wings project 1- feathers
-  Wings project 2- feathers assembled and selfie

Community Partnership & Outreach

Community Education and Outreach

10 Points

Program Summary:

The Glen Rock Environmental Commission has a long standing, productive collaboration with the town's Thielke Arboretum. Together we organize activities each year devoted to community outreach related to sustainability. These activities aim at offering residents opportunities to learn about sustainability and to implement sustainable practices. GREC also helps advertise the numerous educational events that take place at the Arboretum (nature walks, bird watching, insect guided tours) by posting on social media (Green Up Glen Rock Facebook page, and also on the Glen Rockers). In further support to the Arboretum, in Fall 2016 GREC wrote a position paper supporting the construction of an educational building at the Thielke Arboretum, which was posted on the borough website and published on the Glen Rock Gazette. The building received final approval and its construction was completed in April 2018. Several educational programs for children and adults will be based on the new education building. A week after its inauguration, a green team member together with a forest ecologist volunteer organized and led a spring bird walk event that was preceded by a slide show inside the building with the purpose of educating and preparing the participants. As we promote the outdoors, whether it is a walk at the Thielke arboretum or hiking in the mountains we also provide information that can be helpful to protect residents from contracting tick-related diseases, by posting on social media. To advance the residents' education on sustainability, in winter-spring 2018 a Green team member organized a series of three green films shown at St Catherine Community Hall in Glen Rock. The movies included: "Before the flood" on Jan 11, "A plastic ocean" on February 8th, and "An inconvenient sequel" on April 12th. The events were heavily advertised through the church and also through postings on the Environmental Commission Facebook page and on the popular "Glen Rockers" Facebook page and attracted numerous adults and students. At the last showing, a resident professor of Environmental Science at a local college facilitated a group discussion at the end of the movie. With the assistance of the naturalist/horticulturist GREC has created a small pollinator garden in front of borough hall as a demo to help plants that can attract pollinators. To facilitate residents establishing their own pollinator plants, we offered to coordinate the purchase of specific plants at a group discount and provided instructions for planting and caring. The project turned out to be very successful, with 180 plants for a total of 28 pollinator gardens were ordered and planted and we are planning to repeat it next Spring. We continue to collaborate with the high school Environmental Science teacher at the annual Water day event where high school students educate all 4th graders attending the event, to teach them about the value of clean water for wildlife with hands on activities looking at macroinvertebrates in the pond, and also about the beneficial role of composting. Every Fall, GREC participates also to the annual event Community Showcase that takes place at the GR high school where many organizations in town present on their activities: here we display posters indicating some of our current activities, recruit residents to participate to the green team activities and provide literature on various sustainable practices residents can follow in their lives, including green gardening, composting, and reducing the use of plastic bags. A GREC member developed a new webpage for "Green Up Glen Rock: help make Glen Rock greener", that encompasses various EC and Green team activities and has the goal to facilitate recruiting residents and students: <http://www.greenupglenrock.com/about.html>. To expand the range of influence outside of Glen Rock, GREC has been developing an alliance with the local Assemblyman, Tim Eustace, to support a variety of environmental issues.

 Arboretum workshop on insects May 2017

 4th grade Water day - composting education by HS students June 2017

 Tick education Spring 2017

 Promoting natural fertilizers - April 2017

Create Green Team

10 Points

Bronze Mandatory

Program Summary:

The Glen Rock Green Team includes all members of the Environmental Commission (GREC) as well as members from

the community committed to greening up our town, which we call the "Green Team" or also the "Green Up Glen Rock" team. This is still a subcommittee of the Environmental Commission and it has gradually been expanded in the last 3 years by adding several new members of the community interested in greening up our town. To augment its capabilities, the Green team has recently begun to hold its own monthly meetings on the fourth Thursday of the month. These meetings are chaired by an EC commissioner that provides updates on the activities and proposals at the EC during the EC meetings. Some of our recent activities include the establishment of the Farmer's Market, the development of a pollinator garden program, which includes a pollinator garden demo in front of Borough Hall, and coordinated the purchase of plants for residents. The Green Team is also currently working with the department of Public Works to update recycling practices and education, and is spearheading a program to collect plastic bags for the TREK program.

 [GREC Annual Report for 2017](#)

 [Resolution supporting the Green team - July 2018](#)

 [Green team Members](#)

Green Challenges

10 Points

Program Summary:

Plastic, and in particular single-use plastic shopping bags, are a major environmental and health concern. The vast majority of the plastic bags that are used do not get recycled and pollute our cities, parks, and rivers, finally collecting in the oceans and affecting the wildlife due to entanglement or consumption of toxic of toxic plastic bits. Due to its poor decomposition, it is estimated that the deleterious effects of plastic bags will be felt for centuries. The Glen Rock Environmental Committee and Green team have undertaken a challenge initiative as an opportunity to educate the residents about the deleterious effects of plastic bags. We crafted a "Say no to Plastic bags" pledge to promote a change in behavior that would reduce the use of single-use shopping plastic bags: re-usable shopping bags, especially designed for the EC a few years ago were handed out in exchange for a signature to the pledge. The pledge was offered during public events, such as at the Glen Rock Farmers' Market, in Summer 2016 and 2017, at green fairs also at various presentations. A total of 105 signatures were collected between 2016 and 2017. At a Farmer's Market in summer 2018 we organized an event to teach children and adult how to turn an old T-shirts were turned into a reusable tote bag. This attracted kids and adult that also signed the pledge. In spring 2018 we expanded the "Say No to Plastic Bags" pledge into the "Pledge to the Earth" which includes besides the plastic bag issue also 4 additional tips 5 that can help make our community more sustainable (meatless Monday, conserve energy, by using LED light bulbs, conserve water, compost). This pledge was posted on social media and so far 20 signatures have been collected on social media postings. Given the 3,800 households in Glen Rock, the total number of pledge we have collected so far (125 signatures), is above the 2.5% minimum pledges required to fulfill the action; the signature sheets are not uploaded here for privacy concern, but remain available upon request. We will continue to work on raising awareness on the issue by bring the pledge to public events and offer the reusable bags in Summer 2018. In addition to our goal to continue to encourage residents not to use single-use plastic bags, we have also implemented a new initiative detailed in the "Non-mandated recycling" action: a film and plastic bag recycling program was set up in collaboration with TREX, where after collecting 5000 pounds of the appropriate plastic the borough will receive a free bench made with recycled plastic bags and film. This program turned out to be extremely successful.

 [Pledge for reusable bags](#)

 [Green Up Glen Rock reusable bags \(blue and maroon\)](#)

 [Borough email to residents announcing the TREX program 3/2018](#)

 [Facebook Farmers Market ad for EC T-shirt reusable bag](#)

 [Glen Rock Farmer's Market - EC table Summer 2017](#)

Green Fairs

"Green" Your Green Fair

10 Points

Program Summary:

The Environmental Commission (GREC) in partnership with the Green Team Farmer's market organized a Green Fair titled "Dirty Days" that was held on September 10, 2017 from 10am to 2pm (see Hold a Green Fair Action) - Borough involvement: the borough was highly supportive and provided free space at the borough hall employee parking lot and lawn in front of borough hall, as well as a crossing guard and the use of restroom inside of the borough hall building. GREC had a table, with two commissioners and two green team members, and the help of two HS students and two HS graduates. - Waste reduction: to promote decreasing the amount of trash reaching the landfill, and thereby greenhouse emissions contributing to climate change, the theme of the fair was focused on composting organic material such as some kitchen scraps, vegetable garden waste, leaves etc. Activities included composting workshops for adults and a "paint with worms" activity for children. A demo for worm composting targeting mostly the adults was also available at a resident stand, that also offered his services in building and selling /installing wooden raised beds for gardens or for backyard composting. Waste at the event was minimized by promoting the use of a rolling composting bin at the center of the parking lots and recycling bins provided. No plastic bags were allowed to be handed out at the eve. Furthermore the GREC table had a pledge for attendees to sign promoting the use of reusable shopping bags and asking to avoid single-use plastic bags. - Alternative transportation: an added advantage of borough hall hosting the event is the central location as well as its vicinity to public transportation. It is located right across from the commuter train station, and next to a bus stop served by multiple bus lines that connect to neighboring towns. This contributes to a reduced carbon emissions due to car transportation. - Energy efficiency: by hosting the fair during the day and outdoors in an open space just outside of borough hall, energy use was minimized, by eliminating the need for artificial lighting and cooling. Similarly, to help conserve energy, audio and visual equipment were avoided by both fair organizers and vendors. The fair also a strong focus on promoting energy efficiency and renewable energy. Ciel Power had a table to remind residents of the on-going home energy audit program currently sponsored by the borough, and also offered a popsicle stick house building activity for children. Adjacent to the Ciel Power table, the EC had a table focused mostly on educating the residents about the Renewable Government Energy Aggregation proposal, called DEAL, just introduced to the council for consideration. Two high school student and two high school graduates helped us at the table in describing the benefits of the program, and helping residents fill out a survey to gauge the resident's interest on the program - Support for local economies: Local economies were promoted by inviting vendors that were local, including residents selling their own empanadas, and fermented vegetables. Local farms were selling their organic produce. Also, the "Shop the Rock" logo was displayed at the GREC table on our reusable bags. A few local non-profit eco-friendly organizations were also invited, including the Wyckoff Health Barn, whose mission is to educate families about healthy food, that organized a health food competition for children and MEVO (Mahwah Environmental Volunteers Organization), that carries out sustainability projects in Northern New Jersey and sold some of their produce grown at their local farm - Green communication practices were adopted: by skipping printed fliers the event was heavily advertised on the Facebook pages of the Environmental commission, Green team, Farmer's market and Glen Rockers. In addition, the event was promoted through the borough electronic board and through the local paper, the GR Gazette.

 [Facebook ad for Green Fair](#)

 [Farmer's Market ad with Agenda](#)

 [Ciel Power- Home energy Audits](#)

 [Composting workshop and raised bed construction](#)

 [Qualitative assessment](#)

Hold a Green Fair

10 Points

Program Summary:

The Environmental Commission in partnership with the Farmer's market organized a Green Fair titled "Dirty Days" that

was held on September 10, 2017 from 10am to 2pm and had composting as general theme The event took place at the Farmer's Market location on the borough employee parking lot and lawn in front of borough hall. The borough provided a crossing guard at Rock road and access to restrooms. To promote the Green fair we did not spend paper or money on ads, but rather advertised on social media (Environmental commission and Farmer's marker Facebook pages), on the borough electronic board and website as well as. The event was also promoted via the Glen Rock Gazette/North Jersey.com: <http://www.northjersey.com/story/news/bergen/glen-rock/2017/09/05/celebrate-dirty-day-glen-rock-farmers-market/633164001/>. We used the occasion to encourage attendees about healthy living and sustainability practices. Activities included several composting demos and events, including a table for hands-on activities where children could see and touch live worms in a small composting pile, and also paint with worms. A demo for worm composting targeting mostly the adults was also available at a resident stand, that also offered his services in building and selling /installing wooden raised beds for gardens or for backyard composting. In addition to composting the Green fair had a strong focus on energy efficiency and renewable energy education: Ciel Power had a table to show the home energy audit program currently sponsored by the borough, and also offered a popsicle stick house building activity for children. Adjacent to the Ciel Power table, the EC had a table focused mostly on educating the residents about the Renewable Government Energy Aggregation proposal, called DEAL, that we were proposing to the council for consideration. A high school student and a high school graduate helped us at the table describing the benefits of the program, and helping residents fill out a survey to gauge the resident's interest on the program. In addition, we had guidelines for sustainable practices such as backyard composting, grass cut or leave it, and reusable bags with the "Shop the Rock" slogan. The Green team creative team was also present and displaying their projects. To support local businesses, we invited several local vendors to come sell their products; some of the most popular included the very popular Serrano empanadas, live cultured veggies and kimchi, fresh organic produce sold by local farmers. A few organizations were also invited, including the Wyckoff Health Barn, whose mission is to educate families about healthy food, that organized a health food competition for children, and the MEEVO from Mahwah came to sell some of their produce grown at their local farms. Students were also recruited to play music and sing on the lawn.

 [EC ad on Facebook](#)

 [Agenda for Dirty Days](#)

 [EC table](#)

 [Ciel Power table \(Home energy audits\)](#)

 [Painting with worms](#)

 [Qualitative Assessment](#)

Emergency Management & Resiliency

Emergency Communications Planning

15 Points

Program Summary:

Glen Rock Office of Emergency Management (OEM) coordinates emergency communications during public emergencies or any other time the public requires mass notification. Glen Rock uses Nixle for email and text message alerts, SwiftReach911 for telephone alerts, Borough E-News, Twitter and Facebook, for social media alerts. The OEM regularly publicizes the signup process for the public on the Glen Rock Web page and through written handouts that are distributed throughout town.

 [Emergency Communications Planning Documentation](#)

 [Emergency Comm. Planning Checklist](#)

 [Facebook page for GR Emergency Communications and notification April 15 2018](#)

 [Borough GRINS email to Residents - Office of Emergency Management](#)

Vulnerable Populations Identification for Emergencies

10 Points

Program Summary:

Having learned many lessons from Superstorm Sandy, the Office of Emergency Management established a system to reach out and identify more vulnerable members of the community who might require special services in the event of another emergency. Community members who would possibly need such additional help and are interested and willing to share their information, have been compiled into a confidential list that is housed at the OEM in Borough Hall.

Additionally, a webpage is available on the borough website for residents to sign up:

[http://www.glenrocknj.net/index.asp?SEC=%7B504A143C-E27D-4F8C-944A-](http://www.glenrocknj.net/index.asp?SEC=%7B504A143C-E27D-4F8C-944A-A24D29557588%7D&Type=QUICKFORM)

[A24D29557588%7D&Type=QUICKFORM.](http://www.glenrocknj.net/index.asp?SEC=%7B504A143C-E27D-4F8C-944A-A24D29557588%7D&Type=QUICKFORM)

-  [Vulnerable Populations Checklist](#)
-  [GR borough website - for residents with special needs](#)
-  [Borough GRINS email to Residents - special need population](#)

Community Energy Initiatives

Community-Led Solar Initiatives

15 Points

Program Summary:

Solar-Purchasing Program: Glen Rock has chosen an online solar marketplace as its inaugural Solar-Purchasing Program. We partnered with EnergySage to offer an online solar marketplace for residents interested in going solar.

The website went live on June 20th 2018, and social media ads went out at the same time.

<https://www.energysage.com/p/glenrock/> (10 points). (See borough website link attached -

[https://glenrocknj.net/index.asp?SEC=A12FAE01-EB9C-477B-A107-0CD8400A724F&DE=04C3F376-634E-4BCE-](https://glenrocknj.net/index.asp?SEC=A12FAE01-EB9C-477B-A107-0CD8400A724F&DE=04C3F376-634E-4BCE-923D-91071650C84C&Type=B_BASIC)

[923D-91071650C84C&Type=B_BASIC](https://glenrocknj.net/index.asp?SEC=A12FAE01-EB9C-477B-A107-0CD8400A724F&DE=04C3F376-634E-4BCE-923D-91071650C84C&Type=B_BASIC)). In the 90 days we have gone live there were 2 households that signed up as

potential solar purchasers via the website and are considering their solar options. Solar Outreach: GR also completed

outreach activities (2 solar 101 seminars offered to all residents) in August 2017, and October 2017 (see photos and

social media ads attached). Solar Incentives: for each completed solar purchase, GR town will receive \$150 towards a

charity of choice or the purchaser will receive a \$200 rebate from Energysage)

-  [Community-Led Solar Pitch to Glen Rock council](#)
-  [Solar 101 outreach seminar advertisement on borough website](#)
-  [EnergySage ad on Glen Rock FB page](#)
-  [Solar Household Participation - June-Aug 2018](#)
-  [Solar 101 Seminar August 2017](#)

Renewable Government Energy Aggregation

5 Points

Program Summary:

Renewable Government Energy Aggregation provides a legal and practical path for encouraging residents (and businesses) to use electricity generated from wind and solar. In April of 2018, the Glen Rock Environmental

Commission approached the Borough Council with the R-GEA concept and a plan was agreed upon to spend a

significant effort to educate the community and gauge interest in a program for all residents. Over the next three

months, surveys and educational materials were developed and used at tabling events at the Glen Rock Farmer's

Market. Information gathered on public awareness of renewable energy and public reactions to the concept of an opt-

out program was used to create a comprehensive Frequently Asked Questions sheet that residents could turn to for

information about the R-GEA program. Subsequently, a presentation materials were developed and public presentation

and Q&A sessions were offered at the Library and the Town Hall. Op Ed pieces were written and published in the local

newspaper. There was also considerable discussion on social media. Meanwhile the Environmental Commission

developed an open and transparent process to evaluate qualified Energy Agents who could assist the Borough with

implementing an R-GEA, and a resolution was passed in December to engage the services of a Gabel Associates. To ensure that all residents were made aware of the program and what was involved, including the opt-out aspect, the Borough sent a letter to each resident. Resident were also encouraged to let their opinions be known. Finally, the ordinance establishing the R-GEA was approved in March. The second phase of the R-GEA included working with Gabel Associates to craft the bid specifications, which included a minimum of 40% Class 1 PJM Recs as well as another option with 40% Class I PJM Recs + 60% green-e certificates. Bids from the RFP were received on May 30. Unfortunately, the bids did not provide sufficient price savings and the council decided to wait for a more favorable bid in the near future.

 [Renewable Government Energy Aggregation Documentation](#)

 [Renewable Government Energy Aggregation Documentation](#)

Residential Energy Efficiency Outreach

20 Points

Program Summary:

The Home Energy Audit Program "Energy Smart Rock Homes", was continued for 2017 by a resolution of the Glen Rock Borough Council. Under the Home Energy Audit Program residents of Glen Rock can receive a home energy assessment from Ciel Power at a discounted price of \$49. Homeowners who participate can qualify for rebates and zero interest financing, through the New Jersey Home Performance with Energy Star Program. The rebates and incentives will help offset the cost of installing insulation and upgrading heating, cooling, and hot water systems. A portion of these incentives may also be applied towards the remediation of health and safety concerns such as asbestos, knob and tube wiring, and mold. The assessment takes around three hours and the Ciel Power technician collects approximately 250 "data points" on each residence. The result is a detailed report highlighting the potential for energy savings. The assessment report typically recommends such measures as additional insulation, sealing of cracks and gaps, encapsulating crawl spaces and upgrading appliances and HVAC. Reports are provided showing the "before" and "after" test results so that the homeowner can see the effects of the work completed. After review homeowners are free to decide if they want to move ahead with any of the energy upgrade recommendations and whether they wish to use the auditing firm or another qualified contractor whose work can qualify the homeowner for up to \$5000.00 in state grants and up to \$10,000 in no-interest loans. While the Mayor and Borough Council have approved the program and the borough's partnership with Ciel Power, neither the assessment nor the recommended work from the report are in any way mandatory and the consumer is under no obligation to hire Ciel Power for the suggested work. Ciel Power, LLC is both a Building Performance Institute (BPI) accredited contractor and also a licensed New Jersey Home Improvement contractor. Since the program has started in 2014 a total of 184 Home Energy Assessments have been performed and 28 retrofit projects have been completed with Ciel Power. Additional homes have likely implemented energy efficiency measure with other contractors. An average energy savings of 26% has been realized by the homes that have had energy-efficient updates installed! In addition to offering the home energy audit discounted program sponsored by the borough, GREC has also engaged in a public outreach for the Home Performance with Energy Star: fliers from the BPU NJ Clean Energy Program were distributed at the Farmer's Market, Green fair, Community showcase and all public presentations of the R-GEA program throughout 2017. Also information is posted on the GREC page of the borough website and has also been distributed through a GRINS email sent to residents (over 3,000 residents receive the GRINS emails).

 [Resolution authorizing contract with Ciel Power - Jan 2017](#)

 [Energy Smart Rock homes program - webpage](#)

 [GREC website advertising for HEA](#)

 [Press release in GR Gazette regarding extension of HEA program](#)

 [GRINS email from borough to residents notifying of the Home Perf w Energy Star program](#)

 [Home Perform Energy Star on GREC webpage](#)

Municipal Energy Initiatives

Buy Electricity From A Renewable Source

10 Points

Program Summary:

Since 2009 Glen Rock has been a member of the New Jersey Sustainable Energy Joint Meeting (NJSEM) for a joint procurement of natural gas, electricity and other forms of energy for its municipal buildings and facilities. A Resolution was adopted to allow this on July 16th, 2009 by unanimous votes (see Resolution 223-09 here attached as documentation). This aggregation has provided Glen Rock the benefits of a substantial discount as well as the introduction of > 20% renewable energy, which is higher than the one offered by basic PSE&G. The energy supplier was recently switched from Direct Energy to South Jersey Energy with the new contract starting January 2017, that runs through December 2017, which provides an additional 10% discount compared to 2016. Gabel Associates is the NJSEM Energy Consultant coordinating the NJSEM energy procurement.

 [Resolution to join NJSEM in 2009](#)

 [2016 switch natural gas supplier](#)

 [Certification NJSEM from Gabel Assoc - Jan 2018](#)

Energy Efficiency for Municipal Facilities

20 Points

Bronze Priority

Silver Priority

Program Summary:

Glen Rock Environmental Commission confirms completion of energy audits on 8 municipal buildings - Borough Hall, Library, Municipal Annex, DPW Office, DPW Garage, Recycling Center, Ambulance Squad Bldg, Fire House Building. The audits were performed by CHA. Complete reports and upgrade proposals, one for each building are uploaded to this site. The cost of these audits was covered by the NJ Clean Energy Program. The GREC reviewed the documents and made recommendations to the Council to devote part of the budget to the implementation of a subset of energy conservation measures with the shortest pay-back of ~ 1-5 years, which correspond to mainly lighting upgrades in many buildings, including replacing fluorescent with LED light bulbs, and adding sensor controls. Capital budgeting was approved for implementation of selected items identified in the CHA reports, with a level of funding up to an amount of \$60,000. Items were selected for further consideration based on the degree of utility they will provide, acceptance by the using department, cost reasonableness, and a payback period. During 2017 an energy-efficient update was implemented for the Glen Rock Ambulance Corps building in conjunction with a grant from the NJDEP Direct Install Program to replace an air conditioner unit with a more efficient unit and to update lighting fixtures with energy-efficient LED based fixtures. Thanks to the Direct Install incentives, the borough only paid 30% of the entire costs (~\$3,700 out of ~\$13,000). Estimated energy cost savings in excess of \$1,800 are anticipated. Energy savings after the upgrades done at the Ambulance buildings have been estimated to be between 29.9% and 53.6% according to calculations performed by the NJ Office of Clean Energy program (see uploaded document).

 [Ambulance Squad Energy Audit](#)

 [Borough Hall Energy Audit](#)

 [Library Energy Audit](#)

 [Fire dept Energy Audit](#)

 [Energy Savings at Ambulance bldg after upgrades](#)

 [Implementation Energy Efficiency for Ambulance bldg Invoice](#)

Transportation Initiatives

Fleet Inventory

10 Points

Bronze Priority

Silver Priority

Program Summary:

A Fleet Inventory Spreadsheet has been uploaded with full details of 87 vehicles owned and operated by the Borough. During the Base Year of 2017 mechanical difficulty with the fuel dispensing equipment owned by the Borough precluded acquiring full data. Therefore the determination of greenhouse gases and pollutant products was calculated based on the best data available, being totals of fuel consumption by each municipal department for the calendar year. See the "Notes" tab in the attached spreadsheet for further description of the procedure utilized. As a goal we are continuing to achieve a reduction of greenhouse gases and pollutants as described in Glen Rock resolution 132-15. We are recommending that fuel efficient model vehicles or electric or hybrid vehicles be acquired as replacement purchases are made. We will continue to monitor fleet performance with a view of achieving reductions in emission of pollutants and reduction of vehicle count where feasible. The Borough has already purchased a hybrid vehicle and will be considering more such purchases.

 [Resolution](#)

 [2017 Glen Rock NJ Fleet Inventory Spreadsheet](#)

Public Electric Vehicle Charging Infrastructure

15 Points

Program Summary:

The market for electric plug-in cars is rapidly evolving. An important factor that potential buyers consider is how conveniently an electric car can be charged. Therefore, building out public charging infrastructure is critical for encouraging consumers to buy electric vehicles. The Glen Rock Environmental Commission (GREC) received a grant from the DEP and additional funds from Tesla to pay for the installation of 2 Level 2 EV stations located at a public parking lot convenient to both NJ Transit rail service and downtown shopping. The 2 EV stations, a Clipper Creek model HCS 40 and a Tesla Wall Charger, both non-networked, were provided free of charge by Tesla, and can be found on the PlugShare app. (see documentation). The borough owns both chargers. For at least the first 6 months, electricity will be provided free of charge by the Borough. The Borough may extend free charging, or depending on usage, parked cars may in the future be charged a modest hourly fee for parking to partially offset the cost of electricity.

There are very few publicly available Level 2 charging stations in Bergen County. Within a 3-mile radius of Glen Rock there are only 10 Level 2 stations, and none of these are located in a downtown area with access to several restaurants, dozens of shops, and a commuter rail (NJ Transit). GREC therefore expects these stations to be very attractive to owners of electric cars who want access to downtown amenities while charging their cars. Installation was completed on October 26, 2018.

 [Mayor Packer letter - EV charging stations 10-31-2018](#)

 [Street signs directing car owners to EV charging stations](#)

 [Glen Rock Public Electric Vehicle Charging Photo](#)

 [Charging station in PlugShare EV charging directory](#)

Food Production

Community Gardens 10 Points

Program Summary:

The Glen Rock Community Garden was founded in 2010 and will have its 8th growing season this summer. The site was provided by the municipality, in close proximity to a baseball field used by many young children, who regularly visit the garden, and sometimes offer a hand, or are offered a tomato. The site originally had 18 plots and has since been expanded to 28 plots. It was initially cleared by the Department of Public Works and then tilled by the staff of a local nursery in town. Copious amounts of compost were donated by the town and the soil was further enhanced with horse manure, transported to the garden by the participants. The site was then enclosed with fencing material. The town provided all the posts for the fence, as well as the specialized tools needed to install the posts and fencing. Water was piped to the site by the municipality and available initially through a single spigot at one end of the garden, which the town has since expanded to four spigots. The town has continued to supply all the water to the garden, as well as

maintaining the water delivery system with up to date materials ad repairs as needed. There is also a small communal area for herbs, as well as a communal asparagus patch which will be harvested for the first time this spring. Participants in the garden try to help one another out by watering plots and tending to each other's gardens during vacations. Plots are offered to residents on a first come, first served basis and there is currently a waiting list. The town has taken on the responsibility for liability insurance, as well as the cost of water. The Community Garden has been very prolific, particularly as we have learned each year how to cope with the inevitable four legged visitor. Prior to last year's growing season, additional high fencing was added to the garden, and a further trench fortified with barb wire was dug again around the periphery. This summer an open garden day is planned for the general community and the fall we hope to have children plant daffodils around the periphery of the garden. The "Qualitative assessment" has been uploaded in the Supporting Documentation

-  [Community Garden Glen Rock Qualitative Assessment](#)
-  [Community Garden Glen Rock Photos](#)
-  [Agenda/Plan for Community Garden 2018](#)
-  [Community Garden Painting in Borough Hall](#)
-  [Community Garden picture and Facebook posting - March 2018](#)
-  [Facebook ad on "Glen Rockers - March 21, 2018](#)

Green Design Commercial and Residential Buildings

Green Building Education

5 Points

Program Summary:

Our Green Remodeling brochure is available at the Glen Rock Building Department. The brochure is designed to introduce homeowners and contractors to Green Remodeling information, and to point them to additional resources by way of hyperlinks to more detailed information on topics such as green remodeling planning and design, return on investment in green technology, and state subsidies that are available for energy efficiency and conservation investments.

-  [Green Building Education Documentation](#)

Health & Wellness

Anti-Idling Education & Enforcement Program

10 Points

Program Summary:

1. The hot zones were determined to be around the public schools. 2. Anti Idling signs are placed at every school. 3. An Idling Logo was created and the campaign was named Be Idle Free for Me 4. The Boro promoted the campaign via their Facebook page and website. 5. Residents were encouraged to sign a pledge. 6. Artwork was created and shared with every HSA (Home and School Association) so they could share on their private parent only FB pages or via eblasts. 7. Bonus! Students had a presentation on idling at their science fair.

-  [2018 Idling Resolution](#)
-  [Anti-Idling Education & Enforcement Program Documentation](#)

Building Healthier Communities

20 Points

Program Summary:

On April 20th of 2017, Glen Rock's Mayor, Bruce Packer, took the pledge to participate in the "Mayor's Wellness Campaign". The campaign was conceived by the NJ Health Care Quality Institute as a program that gives mayors tools and strategies to champion healthy and active living to improve the overall health of their communities. A press release was sent to various local press, and a page was created on the borough website with a "Mayor's Wellness Campaign" link (http://www.glenrocknj.net/index.asp?SEC=3EC7CC14-9A7C-4794-A397-A67C393FEA22&Type=B_BASIC). To facilitate public outreach the various events related to the campaign were also advertised through the Mayor's Facebook page and also through emails sent to the residents through the Glen Rock Information Notification System (GRINS emails). The campaign consisted in a two-prong approach where healthy living was encouraged by promoting healthy food and also by encouraging exercise and movement to residents of all ages. Several initiatives were run in partnership with the newly established Glen Rock Farmer's Market, whose vision was very much centered on healthy living (see Farmer's Market action). A "Choose my Plate" education campaign geared towards kids and adults took place at the Farmer's market for 5 weeks, where each week focused on a specific food group. The hand-outs information was then posted on the borough website. A cooking competition for children was also organized at a Farmer's Market, in September 2017. Besides healthy foods being offered and promoted each Sunday, we have also implemented programs in the area of active-living through initiatives in the fields of Youth in Motion, Seniors in Motion, Employees in Motion, and Communities in Motion: most of these activities were organized by the Director of Parks and Recreation. Free yoga classes were offered on the municipal building grass field in the early morning right before or in conjunction with the Farmer's market. Each yoga session was specifically designed to target one of the age group. All events were open to borough employees. In Summer 2018, a Senior Walking group was formed' coordinated by the Director of Recreation department with 3 walks/week starting from June 11 (https://glenrocknj.net/index.asp?SEC=C66C388B-270E-457D-AA59-15CA27F7E627&DE=38781F4B-F879-4084-A63E-ECE011FDF555&Type=B_PR).

Additional events, independent from the Farmer's market were also rolled out including the "Get Up and Get Moving" campaign that started with "Walk with the Mayor" events that took place for 8 weeks on Sunday mornings at the GR Arboretum starting from April 30th 2017 and ending June 18th 2017. More recently in March 2018 the Mayor sponsored a free Yoga class and Ayurvedic Basics. In May 2018 a free course on Youth Mental Health was offered to the residents and specifically targeting parents, teachers and any adult interacting with youth. The course was sponsored by the Glen Rock Board of Health and the Bergen county Dept of health and human services and took place at borough hall. For "Employees in Motion" an event was organized by the borough Recreation and Parks director in Wilde Memorial Park in April 2018 "Take a Walk to the Wilde side". Additionally, employees were offered to participate to the other events, such as Yoga and walk with the mayor. Supplemental activities that encourage healthy living in the community and at the schools include a Mayor's "Proclamation" that acknowledged the leadership role of a HS student in promoting healthy food in the school district funded by a Sustainable Jersey for Schools sponsored by the NJ Department of Health. The Proclamation was announced by Mayor Packer at a council public meeting where he handed over the award to the student. Additional opportunities for physical activity for children include the numerous sports summer camps coordinated by the Glen Rock Community school (http://grconlineglenrocknj.ss14.sharpschool.com/summer_camps/sports_camps). During the school year Glen Rock offers various sports at the Recreation level, run by parents, and more competitive level run by professional groups (i.e. Shooting starts for soccer (<https://glenrocknj.net/index.asp?keyword=sports&SEC=%7BA1F37F20-B35D-4C06-BD14-FCFFA728F7AD%7D&Type=SEARCH>)).

 [Mayor's Press Release - Mayor's Wellness campaign](#)

 [Mayor Wellness campaign - Choose my plate](#)

 [Healthy Aging](#)

 [Walk with the Mayor - Mayor's Wellness campaign](#)

 [Fitness on the Lawn - MWC](#)

 [Employees- walk to the wild side](#)

Smoke-Free and Tobacco-Free Public Places

10 Points

Program Summary:

Glen Rock borough's ordinance, "Smoke free Zones", became effective January 11, 2013 (Ord. #1689). "It shall be unlawful for any person to smoke within the boundary of any of the public parks, playgrounds, and recreational areas which are defined within § 32-1 of this chapter. To the extent possible, "Smoke Free Zone" signs shall be clearly, sufficiently and conspicuously posted at properties where smoking is prohibited by this chapter. The signs shall have the words "Smoke Free Zone" in lettering that is not less than two inches in height and shall contain the international no smoking sign. Notwithstanding the above, smoking shall not be prohibited within the parking lots or vehicular access lanes to such parks, playgrounds and/or recreational areas unless prohibited by other applicable law. Violation and penalties. Any person(s) who is found to be in violation of the provisions of this chapter, the maximum penalty shall, upon conviction of a violation, be any combination of the following: - A fine not exceeding \$1,000 or a period of community service not exceeding 90 days. - Application. The maximum penalty is not intended to state an appropriate penalty for each and every violation. Any lesser penalty, including a nominal penalty, may be appropriate for a particular case or a particular violation." Signs are displayed at borough's public parks and reminders are posted on the borough website, electronic board as well as on the borough and environmental commission Facebook pages.

 [Smoke-Free zones Sign at Thielke Arboretum main entrance](#)

 [Smoke-Free zones Sign at Thielke Arboretum side entrance](#)

 [GR borough ordinance # 1689](#)

 [American Non Smokers Right Foundation \(Glen Rock p. 9\)](#)

 [Education and Outreach for Smoke-free zones on borough website and Facebook](#)

 [Reminder on borough electronic board](#)

Innovation & Demonstration Projects

Innovative Community Project 10 Points

1

Program Summary:

GREC is continuing to actively recruit and mentor high school students in applying for grants from SJ for Schools. Three projects were successfully funded and implemented in 2016 and 2017, described here below. 1. HEALTHY FOOD AT SCHOOL AND AT HOME: in 2016, a GREC member has mentored a high school student in applying for a \$4,000 Sustainable Jersey for Schools grant for the Glen Rock school district funded by the NJ department of health. The goal of the grant was to promote healthy eating at all schools and was comprised of several activities including posting posters around schools and on the websites and cafeteria, healthy food demos at the MS/HS cafeteria, and at each of the 4 elementary schools, a workshop on healthy snacks for parents, all done by local nutritionists. A survey for students and one for parents was also launched and the results from 491 and 129 surveys collected respectively from parents and HS students were presented at a Board of Education meeting. The data suggested a strong interest in increasing healthy food choices at the school cafeteria by both students and parents. The project was covered by a newspaper article appeared on the local paper: <http://www.northjersey.com/story/news/bergen/glen-rock/2016/06/17/programs-to-push-for-healthy-eating-in-glen-rock-schools/94820574/>. The following academic year, the school administration announced the introduction of organic, healthy dishes at the cafeteria, which was received with accolades by many students and parents that had been actively requesting these additions to the school menu. 2. CAFETERIA COMPOSTING: In spring 2017 a GR high school student under the mentorship of GREC was awarded a \$2,000 grant from Sustainable Jersey for Schools to fund a pilot project for cafeteria composting. The school administration had already decided to switch out of Styrofoam trays a few years ago, in response to a request from a group of students similarly mentored by GREC, and since then compostable trays have been used in the HS cafeteria. Given the lack of a composting program at the school or off-site, the trays were just disposed in the regular trash together with all food scraps. This grant allowed us to use the funding to pay for the costs of organic/compostable material that was picked up by the Community Compost Company, NY and then composted off-site. The resulting compost was then utilized as fertilizer for agricultural lands in the Hudson Valley in NY. The overall goal was focused on educating the students about the natural cycle of composting organic matter and to involve them first-hand in sustainable practices in school, so that they can then extend these practice into their homes and the community thereby reduce the amount of garbage reaching the landfill and reduce greenhouse gases contributing to climate change. An

intense education and outreach campaign was organized at the school via posters, announcements, labels, hands-out and other material to inform and prepare all students to the change at the cafeteria and on how to use the cafeteria composting bin. Emails were also sent out from the principal to students and staff as well as all parents to inform them of the grant and the goals of the project, information was posted on the school website and education was implemented at the cafeteria during lunch time to show the students how to sort their food waste and utilize the composting bin for all organic material, including all leftover food scraps, compostable trays, paper, while disposing of plastic, metal and milk cartons in the trash. Students from the environmental science class and from the environmental club were also active participants in educating the HS students on how to sort their food scraps at the cafeteria. This project allowed us to further our interaction with the Community Compost Company, which is the only organization we could find in this part of NJ to be able to come collect our compostable material. This project triggered the development of the idea of a larger scale food waste residential composting program and, together with the CCC, the Environmental Commission organized and hosted an interest meeting to inquire on the feasibility of a residential composting program where the CCC may come pick up our organic waste from multiple towns in northern Jersey and compost it off-site. 3. REVAMPING RECYCLING: Another project planned and implemented by another high school student mentored by GREC was focused on revamping recycling at the high school. The student received a \$2,000 grant from Sustainable Jersey to implement the project which consisted in making an inventory of the recycling bins in the school, followed by an update of all labels and recycling bins in all classrooms. A poster on "Recycling the Right Way" was also designed, printed and posted around the school to educate students and staff on the single-stream recycling practices used at the school.

 [Picture of gSJ grant winners on GR Gazette May 2016](#)

 [Agenda for interest meeting for residential composting services - June 2018](#)

 [Recycling poster](#)

 [Healthy Food education at elementary schools and high school students and parents](#)

 [Cafeteria composting pilot project](#)

Innovative Community Project

10 Points

2

Program Summary:

Plastic bottle reduction and hydration stations at GR Middle/High school Accumulation of single-use disposable plastic bottle is one of the main plagues of the modern society. Not only do they pollute the environment, but they also contribute to increased green-house gases since they are made from petroleum. Recycling plastic bottles also requires energy, and therefore reducing the use of plastic bottles is the best approach to sustainability. It is very easy to reduce the amount of disposable plastic bottles used, if people can get used to using refillable bottles. A project was undertaken by a high school student with the aim of educating the high school and middle school students to change their habits and use refillable bottles, rather than purchasing water bottles at the school cafeteria. The student worked in conjunction with the Gen Rock Environmental Commission and the high schools environmental club. The educational/promotional campaign included preparing and posting numerous posters throughout the hallways at the middle/high school, having morning announcements over the speaker, and having three articles published on the local paper (Glen Rock Gazette). To accompany these educational activities, students from the high school environmental club suggested to the school administration that water bottle filling stations be installed, dispensing chilled, charcoal-filtered water. This would enable students to fill reusable water bottles more conveniently while reducing the circulation of plastics. The administration responded favorably and gradually over the course of 8 months, starting in March 2013 purchased and installed 3 Elkay water bottle filling stations in the building. Counters tracking the number of uses - and thus the number of plastic bottles avoided - are attached to the units to measure progress. In only 2 months more than 3,000 uses were recorded at the first station. Pictures of students using the water filling stations were taken and were posted on Facebook Green Up Glen Rock page as well as the Glen Rockers, and quickly went "viral" with extremely high numbers of "reaches" (over 2,100) and likes/shares. REVISION STATEMENT: during the course of the past academic year 2014-2015 three more water bottle filling stations have been purchased by the school district and installed in 3 elementary schools (one of them her included in Supporting Documentation). The last one will be installed this summer/fall at Central Elementary school. This supports the favorable feedback and cooperation of the school

administration towards the plastic water bottle campaign initiated by the HS student mentored by the Glen Rock Environmental Commission. Additional hydration stations will be gradually purchased and installed in the future. The water bottle filling stations are expected to have long term effects by allowing students to bring to school their personal refillable water bottles thereby reducing the purchase and disposal of plastic water bottles.

-  [Glen Rock goes back to tap- GR Gazette article 04/2013](#)
-  [Glen Rock High School Announcement of new hydration stations 02/2013](#)
-  [Facebook posting of students using new hydration stations](#)
-  [Facebook posting of hydration station and counter](#)
-  [School announcement of GR goes back to tap initiative](#)
-  [Coleman Elementary school - hydration station 08/2015](#)

Innovative Community Project 10 Points

3

Program Summary:

The impact of the accumulation of Styrofoam trays from schools in the country is extremely detrimental to the environment as Styrofoam is not recyclable, does not degrade and releases harmful substances. During the last two years, the GREC has supported an effort initiated by a group of students from the Glen Rock High school to have the school cafeteria Styrofoam trays replaced by the healthier and more environmental-friendly compostable trays. A few parents also became involved in bringing this issue to the attention of the school administrators. In October 2013 two GREC Commissioners, together with a high school student, organized a meeting with the new district Superintendent to introduce the Commission and our goals and interests. During this meeting we mentioned our hope to possibly replace the Styrofoam trays with compostable/ biodegradable trays. The Superintendent suggested that the students write a Memo addressed to the school administrators describing the proposal. The student wrote the Memo in January 2014 and then later followed up by presenting the Memo orally directly at the June 2014 Board of Education meeting, where the issue was briefly discussed and received the support from at least one BOE member. During this meeting the school administrator raised the valid point that, besides the higher cost for the compostable trays, the proposed compostable trays would still be reaching the landfill due to lack of composting facilities at the school. And also notably, even if compostable they would not be able to compost properly when enclosed in tight plastic bags. A Commissioner found this comment to be very insightful and researched the topic. After a long investigation a hauler company that serves northern Jersey was identified. This company would be able to come to Glen Rock, and pick up all organic waste (including food and trays) to compost off site, but warned us that their work might infringe on the pre-existing contract with the current hauler. The info has been relayed to the school administrator. Nonetheless, in the fall of 2014 students were pleasantly surprised to find compostable trays replacing the old Styrofoam trays! We are hoping that the district will be able to also replace the styrofoam bowls and evaluate the feasibility of hiring the hauler to make composting of all organic waste and compostable trays possible. REVISION STATEMENT: The role of the GREC was critical in achieving the elimination of Styrofoam trays from the MS/HS cafeteria: two GREC members met 3 times during the academic years 2013-2014 and 2014-2015 with the school district Superintendent (Dr Paula Valenti) and the business administrator (Mr Mike Riderchnekt), to discuss this and identify the best way to implement the plan. We also closely mentored a small group of high school students to develop an awareness campaign, and present their proposal of elimination of Styrofoam trays to the Board of education in a public meeting in June 2014. This step showed to be instrumental in speeding up the process, and by October 2014, new compostable trays were already in use! Unfortunately the composting of the new trays is a longer term project that we will keep pursuing. After an extensive research we finally have identified an external hauler that could come pick up the organic waste from the school cafeteria to compost offsite. There seem to be though contractual clauses with the current recycling company that are preventing the school from doing this at the present time. In any case, we are grateful that the first step has been implemented: by getting rid of Styrofoam trays we made a big step in protecting the health of the students and of the planet. The project has inspired another HS student that approached the GREC inquiring whether we can mentor her on a new project on Styrofoam to run this year.

-  [Memo by the HS Environmental club requesting elimination of styrofoam trays](#)

-  [Thank you Email from EC to school administration](#)
-  [Glen Rock Middle/High school compostable cafeteria trays](#)
-  [Glen Rock High School compostable cafeteria trays n2](#)

Land Use & Transportation

Sustainable Land Use Pledge

10 Points **Bronze Priority** Silver Priority

Program Summary:

Renewal of Sustainable Land Use Pledge In 2012 Glen Rock received its Bronze certification as a Sustainable Community from the highly recognized statewide program Sustainable Jersey. Certifications must be renewed every three years, and to do that there are a number of ACTION STEPS that must be completed before November 2015. The renewal of our LAND USE PLEDGE that helps guide the work of the GREC is one of those steps. In the spring of 2014 the GREC reviewed the matter and decided that with local concerns for more recreation and for dealing with a growing parking problem with a new business moving into the heart of town, that the expanded model Land Use Pledge would be appropriate for Glen Rock. After reviews and negotiations with the Planning Board agreement was reached on our expanded Sustainable Land Use Pledge. REVISION STATEMENT: The Glen Rock Council adopted its original Land Use Pledge by resolution in 2009. In 2015 the Environmental Commission decided that the Pledge should be updated to take into account important issues of parking and adequate recreational space. The revised Sustainable Land Use Pledge was reviewed a number of times by the Planning Board, then presented in a Public Meeting of the Council and unanimously adopted in February 2015 as Resolution No. 71-15. The Resolution and Pledge were distributed to the Mayor, all members of the Council, the Planning Board, the Environmental Commission, the Shade Tree Advisory Committee, and the heads of all Glen Rock Borough Departments. It also is found on the Environmental Commissions' web site. * Sustainable Land Use Pledge Resolution No. 71-15 * Pledge distribution memo from Borough Administrator of August 28, 2015

-  [Land Use Pledge distribution memo 8-28-2015](#)
-  [Resolution for Sustainable Land Use Pledge](#)

Buy Local Programs

Buy Local Campaign

10 Points

Program Summary:

In 2016 the Glen Rock borough initiated a partnership with the Glen Rock Chamber of Commerce and Glen Rock Merchants, thus developing the "Shop The Rock Property Tax Rewards" program. The program aims to increase traffic to local businesses by rewarding residents who shop locally with tax credits. Residents are issued a card to present to participating business when shopping. Upon shopping residents earn rewards towards their property tax. The program is also open to renters who will receive a rebate. A letter from the Mayor was sent to all businesses and the list of participating businesses was posted on the borough website and on fliers available in town and at borough hall. A press release to promote the program appeared on the Fair Lawn and Glen Rock Daily voice and the patch.com advertised American Express Small Business sponsoring the program. The program is still on-going. Additionally, the Environmental Commission is also encouraging residents to "Shop the Rock" by distributing reusable shopping bags at fairs, and farmer's market events. The reusable bags were specifically designed to contain a "Shop the Rock" slogan on one side and "Bring your Own Bag" slogan on the other side. Another way to encourage residents to use the local businesses was to develop for the first time a "Restaurant week" that occurred August 23-29, 2017 and was spearheaded by the GREC Green Team.

-  [Press release Shop The Rock Tax Rewards](#)
-  [Press release American Express Shop the Rock](#)

 Borough website announcement Shop the Rock Property Tax credits

 Shop the Rock Tax Rebate - FLIER

 Buy Local - Restaurant week

 Shop the Rock - GREC Reusable BAG

Support Local Businesses

10 Points

Program Summary:

1. We worked to update the Boro's online business directory. 2. We provided opportunities for the local businesses to have a presence at Boro or Boro Collaborated events. 3. We started a recognition program to give honor to local businesses. 4. The schools worked to connect to the community businesses via shadowing and a career day. We apologize there is little evidence of this beyond an email from the teacher. The school's programs are only for parents and students to view. All of these actions allowed the Glen Rock businesses to feel supported and active in the community.

 Support Local Businesses Documentation for Action

 Qual. Assessment Inventory

Natural Resources

Environmental Commission 10 Points

Program Summary:

The Glen Rock Environmental Commission, created in 2002, continues as a very active group of dedicated community volunteers. It works closely with the Shade Tree Advisory Committee, the Thielke Arboretum of Glen Rock, Director of Public Works, Planning board and Borough Council, and is the umbrella body for the Green Up Glen Rock Team. Its members include: Sylvia Rabacchi (schools and renewable energy coordinator) Ben Meyer (energy efficiency and fleet inventory coordinator), both Co-Chairs, and Lesley Elton (Community Garden, Recycling Coordinator), Scott King (Liaison to Planning Board and Friends of the Arboretum), and Laura Occhipinti (Farmer's Market, Buy Local Coordinator). Ken Jones is an alternate (lead on R-GEA). In April 2018, Candace Lynch and Ann Marie Brennan were appointed to fill the two remaining seats on the commission, where they will be the leads on plastic bag reduce, reuse and recycle campaign. The commissioners have been appointed to the commission by the mayor with the approval of the Council. The Mayor has also designated a Council Member, Arati Kreibich, as Council member liaison to the Commission. The commission meets on the 3rd Wednesday of each month and the agenda and minutes are posted on the borough website.

 Ordinance establishing GREC

 GREC Agenda 3-22-2017

 GREC Annual Report for 2017

 GREC webpage on borough website with annual reports posted

Natural Resource Inventory

20 Points

Bronze Priority

Silver Priority

Program Summary:

In the spring of 2008, the Glen Rock Borough Council agreed to provide funding for the Environmental Commission to create an Environmental Resources Inventory and passed a resolution to apply for a 2008 Smart Growth Planning grant. We applied for a received a \$6,000 grant, to which the boro agreed to provide \$3,000 in matching funds and \$3,000 in kind services by volunteers and staff. We hired our town planner at the time, the firm H2M, which worked with a subcommittee of the Environmental Commission members to create the ERI. The ERI was completed in July 2008,

along with a Conservation Plan Element in August. The Conservation Plan Element and ERI were adopted as part of the Master Plan by resolution in 2009. The Commission has agreed to update the ERI on the same schedule as the Master Plan Reexamination. The most recent Glen Rock Master Plan Reexamination was adopted in January 2008. The next reexamination will take place in 2014. The ERI and Conservation Plan Element are both available to the public via the Environmental Commission website at <http://www.glenrocknj.net/environment/> Due to the size of the files, the text and maps are available in three separate downloads.

 [Glen Rock ERI Text](#)

 [Resolution adopting ERI into M](#)

 [Commitment to Update ERI](#)

Water Conservation Education Program

10 Points

Program Summary:

GREC and the borough have actively enhanced outreach to the community to inform residents about the need for water conservation. A particular effort has been focused on encouraging residents to use water in a thoughtful way in the summer months when water usage soars and more than doubles, mostly due to lawn irrigation by automatic sprinklers. The biggest driver of increasing demand in our area is lawn and landscape irrigation. This is very sensitive to weather conditions. Heat and drought can drive demand to be as much as 4 times the demand in winter, sometimes exceeding the capacity of the system wells. The excess demand is supplied from storage tanks. Depletion of reserves can compromise the ability to fight fires. The greatest opportunity for conservation therefore is restrictions on irrigation. Public outreach has been done by posting information on the borough website (https://glenrocknj.net/index.asp?SEC=A12FAE01-EB9C-477B-A107-0CD8400A724F&DE=105B4DB9-0B66-48B6-B134-9FAFDB0929B7&Type=B_BASIC), and by frequently posting information on the need for water conservation on social media (Facebook GREC page and Glen Rokers page), especially over the summer for the last several years. In order to get properly educated and updated on the issues, members of GREC have consistently attended most of the forum presentations and open houses organized by our water utility company, Ridgewood Water. The presentations have also been extensively advertised to the residents via the borough website and social media (see documentation). To contain the excessive use of water in summer months, Ridgewood Water has declared in summer 2017 a permanent stage 2 water restriction, which has been actively been publicized to the residents by the borough of Glen Rock as well as GREC via the borough website (https://glenrocknj.net/index.asp?SEC=C66C388B-270E-457D-AA59-15CA27F7E627&DE=3D31DC31-C55D-4524-9EAC-34853D2DF3EE&Type=B_PR), and social media. Robo calls by the Mayor are regularly made to all households during summer months, informing residents of the status of water restrictions. In addition, information regarding the permanent stage 2 watering restrictions is posted multiple times a day, every day on the borough electronic board in front of borough hall all year long (see documentation), and several emails from the Mayor have been sent out especially in the summer months when the use of outside water soars. These notifications make a reference to the Ridgewood Water website where more detailed information about Stage 2 restrictions are available: http://water.ridgewoodnj.net/index.php?option=com_content&view=article&id=51&Itemid=75 In addition to educating the public about the need for water conservation, GREC has also focused its efforts on providing tips for how to reduce excessive lawn watering in summer months by promoting the use of SMART controllers, which, by sensing the soil moisture will only activate the automatic sprinklers when needed, and thereby result in significant water conservation.

 [Glen Rock Gazette article on Water Conservation Ordinance discussions - April 2016](#)

 [Ridgewood Water Consumption graph - July 2016](#)

 [GREC borough website - Water Conservation page with video and link](#)

 [Outreach via borough GRINS emails and electronic board](#)

 [Water Conservation Education - Social media Summer 2017, Fall 2018](#)

 [SJ worksheet](#)

Green Purchasing Program

Adopt a Green Purchasing Policy by Resolution

5 Points

Program Summary:

The Glen Rock Council passed a Resolution (No. 63-15) known as the "Borough of Glen Rock NJ Green Purchasing Policy" ensuring that Borough purchasing of green products are preferable products whenever they meet cost and performance requirements. All Department Heads have been so informed by memorandum from the Borough Administrator. A Commissioner from the Glen Rock Environmental Commission has been selected to instruct all Borough employees who have authority to purchase products, concerning the most environmentally acceptable products and to inform the Commission which products they are purchasing. In this manner the Commission can keep a running account of the types of cleaning products being used in all the Municipal buildings.

 [Glen Rock Council Resolution to for a Green Purchasing Policy for Green Cleaning Products](#)

 [Green Purchasing Memo](#)

Green Maintenance Equipment and Materials

10 Points

Program Summary:

Glen Rock has made more and more of an effort to buy and use environmentally friendly products in the day to day workings of the community. These have included office materials - paper, folders, paper clips, binders, printers and copy machines, in the town offices. The update of rest rooms in the library and town offices include motion activated lights and dual water level toilets, paper towels and toilet paper that are made of recycled materials. Images of some of these products are below, as the invoice for last year's paper towels.

 [Green Cleaner](#)

 [Recycled printer paper](#)

 [Recycled tissue paper](#)

 [Recycled bathroom paper](#)

 [Invoice](#)

Citizen Engagement

Improve Public Engagement in Municipal Government

10 Points

Program Summary:

The Glen Rock Mayor and Council feel a strong responsibility in informing and engaging the public. To help gain more feedback from the residents, in addition to a chance of public comment at the Council Public meetings, a second opportunity was recently added to speak at the Council Work sessions. Each year all scheduled Council meetings as well as the agendas and the minutes are posted on the borough website (http://www.glenrocknj.net/agenda_minutes). Date, time, and location of all regularly scheduled public meetings of the governing body are posted at least two weeks before the meetings. For each council meeting the proposed agenda is posted on Friday afternoon for the meeting that is scheduled for the following Monday or Wednesday. The resolutions and ordinance titles are included in these agendas. Council meetings are conducted in the evenings , 7:30 or 8pm when most residents are available to participate, and the public comment time is placed towards the end of the meetings . Meetings are streamed live and videos of past meetings are available on the website. Meeting schedule as well as agendas and minutes for the environmental commission, board of health, planning board, zoning board. The Township maintains a "GRINS" notification, sent via email to residents that subscribe (over 3,500 residents). The Police Department maintains a "Nixle" notification program for safety and traffic notices. A request for service feature also exists on the borough website.

 [Public council meetings dates/times anncm on borough calendar main page](#)

 [Mayor anncmt on Facebook](#)

 [GR borough calendar](#)

 [GR Council Agenda for 7-25-2018 meeting](#)

Communications

Municipal Communications Strategy

10 Points

Program Summary:

An inventory of communication channels was conducted and checklist submitted (see attached). This information was compiled by the Glen Rock Borough Administrator, the Glen Rock Communications coordinator and members of the Environmental Commission. This was a very collaborative process which did not result in any changes to the communication channels currently used by the borough. The Borough of Glen Rock utilizes multiple communications channels to connect with residents:

- Municipal website www.glentocknj.net regularly update by a media service employee
- Mayor & Council, Planning Board, environmental Commission agendas and minutes are posted on the borough website
- Municipal events are included in the Borough News and Municipal Calendar
- The borough website offers:
 - downloadable forms and applications are available on the borough website
 - search capability for Borough ordinances
 - links to various community organizations
 - contact information for Mayor & Council, municipal departments and emergency services
 - "Contact Us" online service request form
 - links to twitter and Nixle
 - search box and site map
- Local newspapers: Glen Rock Gazette, local online news sites: northjersey.com
- The borough has a few Facebook accounts (Municipal, Police, Mayor)
- In addition, Glen Rock employs an GRINS notification system by subscription, a Nixle Alert System
- Glen Rock TV Government Access and a Specific Needs Forum for seniors and people with disabilities. This all includes a Social Media Policy, and an RSS Feed on our homepage

 [Municipal Communications Strategy Checklist](#)

Sustainability & Climate Planning

Municipal Carbon Footprint

10 Points

Bronze Priority

Silver Priority

Program Summary:

With the ultimate goal of reducing our carbon footprint, GREC undertook the task to calculate both municipal and community carbon footprints and focused the effort from data from 2014. This will allow us to track our progress as we plan and implement activities to improve energy efficiency and increase the use of renewable energy sources in the years ahead. The municipal carbon footprint for the Borough of Glen Rock was calculated, based on 8 municipal buildings, to be the equivalent of 1,720.243573 metric tons of CO₂ emitted in the year 2014. Records and billing data from the utility company, PSE&G, were sourced to collect gas and electricity usage data for January through December of 2014. This information was first organized on spreadsheets by type and location of energy usage. Yearly totals of energy use for municipal buildings and facilities, street lights, traffic lights, and the municipal fleet were inputted to the excel spreadsheet provided by Sustainable Jersey which contained formulas for conversions and calculations. This produced one cohesive number – our "footprint." Numbers from a previously conducted Fleet Inventory were also input to include emissions from all municipal vehicles during that year. The municipal electric footprint amounted to 878.6584834 metric tons of CO₂, split almost evenly between powering municipal buildings and powering street lights and traffic lights. Emissions from municipal vehicles come in second at 552.0222934 metric tons of carbon emissions in a year, followed by 289.5627968 total emissions from natural gas used by municipal buildings. We had no significant use of oil or other fuel sources. These results leave us with a tangible baseline and detailed body of information to work off of. The baseline will be useful to allow us to track reductions in carbon footprint by improvements in energy efficiency and use of renewable clean energy for our municipal buildings, streetlights and fleet.

-  [Municipal buildings electrical and gas consumption 2014](#)
-  [Municipal Carbon Footprint - Street lighting data from PSE&G](#)
-  [Municipal Carbon Footprint Calculator](#)

Waste Management

Prescription Drug Safety and Disposal

10 Points **Bronze Priority** Silver Priority

Program Summary:

All prescription and over the counter drugs can now be disposed of in Glen Rock at a permanent site. A permanent collection box has been installed at Rock Ridge Pharmacy which is located at 191 Rock Road, in the center of town. Residents may dispose of expired drugs and drugs they no longer use, during all business hours. The pharmacy is open every day of the week. Residents are asked to remove any identifying information on containers. The box is regularly emptied and contents are sent to an outside vendor, MedReturn. To date, 8 pounds of pharmaceuticals have been collected. Recently the Glen Rock website page has been updated with a permanent inclusion on the News & Announcement section indicating the information regarding the new drop off box, as well as other sites in Bergen County at which drugs may be disposed. A link is also included to the New Jersey Department of Consumer Affairs site concerning prescription take back. Residents were also notified about the Drop Box through Boro email. The following is the link provided on the Glen Rock website, of other locations where prescriptions may be dropped.

<https://www.njconsumeraffairs.gov/meddrop/pages/locations.aspx>

-  [Borough website - Medication dropbox announcement](#)
-  [Borough GRINS email to Residents - announcing Medication dropbox program](#)
-  [Prescription Drug Safety and Disposal Documentation Glen Rock](#)

Recycling

Community Paper Shredding Day

5 Points

Program Summary:

Glen Rock has offered its residents two separate paper shredding events per year to safely dispose of sensitive documents. The events were advertised to the community through the Borough electronic calendar, as well as through advertisements in the local newspaper, the GR Gazette and on Facebook. Residents brought their materials to be shredded to the Recycling Center in town, where a truck from the Nexcut Shredding in Elizabeth, NJ shredded the material. Both events were very successful. The first event was held by the Glen Rock Department of Public Works at the town Recycling Center on May 20, 2017. Approximately, 80 vehicles participated and 5,880 pounds of paper were collected for shredding. A second paper shredding event was held on October 28, 2017. at which time 120 households participated and 5,000 pounds of paper were collected.

-  [Community Paper Shredding Day October 2017](#)
-  [Community Paper Shredding Day Documentation](#)

Non-Mandated Materials Recycling

30 Points

Program Summary:

Plastics listed #3-#7 on the Plastic Packaging Resin Identification Code (10 points) On March 1, 2018, Glen Rock began participation in the Trex Plastic Film Recycling Challenge. Winners of the challenges receive a bench made of recycled plastic, suitable for outdoor use in a park or playground. Plastic film is thin polyethylene and includes grocery

bags, bread bags, dry cleaning bags, newspaper sleeves, Ziploc bags, produce bags, and bubble wrap. LDPE film (#4) is accepted in this program. Bins are placed at convenient locations, including Borough Hall, places of worship, and schools. Volunteers collect the plastic film, report the amount to Trex, and deliver the material to Stop and Shop, ACME, and Whole Foods for distribution to recycling centers. The program was announced broadly on social media and on the website [greenupglenrock.com](http://www.glenrocknj.net/recycling). 800 pounds of plastic film was collected and recycled during March and April of 2018. Glen Rock accepts plastic #5 for recycling, including water and milk containers, detergent and shampoo containers, and yogurt and butter containers. A summary of recyclable materials, showing #5 plastics, is available at: <http://www.glenrocknj.net/recycling>. #5 plastic container recycling is not mandated by Bergen county. Textiles (5 points) Glen Rock offers residents the option to dispose of textiles throughout the year by dropping them off at the Recycling Center, as shown in the attached photo. All types of clean, dry textiles are accepted. The availability of bins at the Recycling Center is advertised on the municipal website. 3.6 tons of clothing were taken for reuse and recycling in 2017, as shown on the tonnage report. The contract for two clothing collection bins has been uploaded. Other (10 points) By Glen Rock ordinance, tires are mandatory recyclable. The Borough recycled 0.27 tons of tires in 2017, as indicated on the tonnage report. 47.35 tons of oil-contaminated soil were taken for recycling in 2017 by Clean Earth. This facility uses a proven biological system that removes petroleum hydrocarbons from soil using an engineered blend of bacteria chosen for their ability to quickly and effectively metabolize organic contaminants.

 [Plastic Film Recycling Poster](#)

 [AMVETS textile contract](#)

 [Textile Collection Bin](#)

 [2017 Glen Rock Tonnage](#)

Recycling Depot

10 Points

Program Summary:

The Glen Rock Recycling Center has been operating since 1988. It is located on Doremus Avenue, next to the largest set of athletic fields in the borough. Separate collection bins are available at the Recycling Center for depositing plastics, glass, aluminum cans, paper, newspaper, corrugated cardboard, and old textiles. Metal and electronic items are also collected separately at the Recycling Center, and twice a year, paper shredding events are held there. Recently, plastics and glass have been commingled because of a change in market trends. Curbside pick up of recyclables is also offered by the town, with a schedule of pick up days noted on the Glen Rock town web page under Trash and Recycling. The Glen Rock Community Calendar, which is distributed to all households annually includes the location of the recycling center, its hours of operation, and a list of materials collected. In an effort to increase the volume of recycled material, the number of curbside pick up days have been increased as of January 1, 2018. The Recycling Center is open from Thursday through Sunday, with extended hours during the summer months. Hours are clearly marked on a sign outside the Center and on the Glen Rock web page. Staff from the Department of Public Works is always available when the Center is open to answer questions and help with the unloading of material. The town's Compost Center, where residents may leave their garden waste, as well as have access to unlimited free wood chips and mulch, is located next to the Recycling Center, and has the same hours as the Recycle Center from April 1 through December 31. Yard waste is separated into three categories: grass clippings, leaves and yard waste including small limbs, and large tree limbs. Residents receive an annual calendar at the beginning of each year which includes the location of the recycling center, its hours of operation, and a list of materials collected (see

 [Recycling Depot Documentation Photos](#)

 [Recycling Center Schedule Glen Rock](#)

 [Recycling Depot Documentation](#)

 [Glen Rock tonnage report 2016](#)

 [Recyclable Materials Glen Rock](#)

Waste Reduction

Backyard Composting Program

5 Points

Program Summary:

The environmental commission has teamed with the borough council in an effort to educate and encourage residents to compost food scraps and gardening trimming/waste. The benefits of composting include reducing the amount of municipal waste sent to the landfill, as well as the possibility of generating natural fertilizer for resident's gardens and plants. Multiple actions have converged into this goal: - In collaboration with naturalist/horticulturist Ms Elaine Silverstein, certified in Sustainable Landscape Management by the New York Botanical Garden and Green team member, we developed composting guidelines that together with the guidelines from Rutgers Cooperative have been distributed at various outreach events where GREC had a table (i.e. Farmers' Market in summer 2017, and at the Community showcase in Fall 2017) and have been posted on the borough/GREC website - Backyard composting was also the focus of the Green fair "Dirty Days" that took place on September 10, 2017 (see the "Hold your Fair: action for details) - A workshop titled "A lawn care revolution" took place at the GR Farmer's Market in October 2017. The topics covered included how to compost, how to care for a lawn naturally and sustainably, how to use leaves as free mulch and fertilizer and other sustainable practices. A composting bin was also placed at each Farmer's market event to collect food scraps from attendees and from the vendors.

 [Farmer's Market composting](#)

 [Composting guidelines posted on borough website](#)

Grass - Cut It and Leave It Program

5 Points

Program Summary:

Glen Rock is a suburban town with mostly single house residences containing small to medium size yards mostly covered with natural grass. The high density of houses throughout the borough does not contain a lot of space for woody areas, parks. Therefore, private lawns make a high percentage of the borough surface. The Environmental Commission, in collaboration with the municipality, as well as with resident/naturalist Mrs Elaine Silverstein, continue their effort to educate the public about the benefits of leaving grass clippings on the lawn after cutting the grass: the advantages are multiple, including their role as natural fertilizer, thereby reducing the need to fertilize the lawn, as well as reducing the amount of grass clippings reaching the landfill. In the Fall 2015 the EC has invited naturalist/horticulturist Ms Elaine Silverstein, certified in Sustainable Landscape Management by the New York Botanical Garden (now new member of the Green Team) to give a presentation titled "Backyard sustainability for homeowners: keep Glen Rock clean" at the public library. Several articles on this topic by Ms. Silverstein have also appeared on the local newspaper GR Gazette as well as on the Northjersey.com in the last few years. In addition, an informative brochure from NJ DEP is posted on the borough/environmental commission website ([http://www.glenrocknj.net/vertical/sites/%7BB096DD7C-E007-4467-ABAD-D572BD7C982C%7D/uploads/GrassCutItLeavelt\(1\).pdf](http://www.glenrocknj.net/vertical/sites/%7BB096DD7C-E007-4467-ABAD-D572BD7C982C%7D/uploads/GrassCutItLeavelt(1).pdf)). Guidelines to the "grass: cut it and leave it" have been distributed at several Farmer's Market events during summer 2016 and 2017, and other public events.

 [Sustainable gardening and grass: cut it and leave it - guidelines](#)

 [GREC webpage - grass: cut it and leave it](#)

 [Grass - Cut It and Leave It NJDEP handed out July, Aug 2018](#)

 [Grass - Cut It and Leave It NJDEP handed out summer 2016, 2017](#)

Materials Reuse Program

10 Points

Program Summary:

1. EVERY FRIDAY we run a Freecycle Program that is 100% online and very successful. 2. The Freecycle Friday image is posted in very popular, Glen Rock Only Facebook group EVERY Friday the morning. Throughout the day,

residents will post items they are giving away for free. If a resident wants the item, they comment. The original owner and the owner-to-be set up a time for the item to be picked up from the home of the original owner. Also, residents can post things they are looking for (ISO = In Search Of). If another resident has that item they can respond. 3. The program began March 2017 and we estimate that in the last year 5,000 pounds has been kept from the garbage stream. The inventory is attached and the items can be seen here, https://drive.google.com/drive/folders/1c5S7xehDDjLU62G_fEoGnY7GmNP5RcR1?usp=sharing 4. About 25-50 residents participate each week and nearly everything is claimed (quickly claimed too). 5. This program has been incredibly popular yet very easy to maintain. People look forward to Fridays and the items and treasures that will be posted :) 6. If an item is not claimed If your items is not claim we ask residents to donate it and we give them this resource document, <http://www.greenupglenrock.com/reduce.html>

-  Freecycle Image that is posted EVERY Friday (even holidays)
-  Sample 1 of how the transactions work.
-  Sample 2 of how the transactions work
-  Inventory of items and estimated weights
-  Additionally, the town runs a Boro Wide Garage Sale (unrelated to FreeCycle Friday)
-  Materials Reuse Slide Show

Reusable Bag Education Program

5 Points

Program Summary:

The Glen Rock Environmental Commission is very concerned about the damage done to the environment by the accumulation of single-use plastic bags for several years. We would like to plan for an ordinance to be adopted that regulates the use of plastic bags in Glen Rock, and have been closely following the great accomplishment on this front in a few towns in NJ, one of which in Bergen county (Teaneck) that recently passed a 5c/plastic bag fee ordinance that will be take effect this summer 2018. In preparation for a proposal for such an ordinance GREC is constantly promoting the use of reusable bags by handing out reusable bags at public events. The bags were designed by GREC a few years ago and have a "Shop the Rock" logo on one side, to support the local economy, and a cartoon on the other side with "Bring Your Own Bag" slogan crafted by a Glen Rock resident. We use our GREC budget to pay for the bags and we couple this to an educational pledge where the residents pledge to refuse plastic bags and use reusable bags. This program is run at public events where GREC has a table, including our annual Community Showcase event sponsored by the school district and the borough, taking place at the GR middle/high school, and also the Farmer's Market in summer 2016 and summer 2017, as well as at the Green Fair "Dirty Days". In addition, in June 2017 GREC partnered with the Farmer's Market to run an activity to turn a T-shirt into a reusable bag. Complementary to the pledge and reusable bags campaign, in winter 2018, a Green team member, now GREC commissioner, has organized a green documentary miniseries showing at St. Catherine that included the movie "A plastic ocean" . The film was shown at St Catherine on February 28, 2018. In summer 2017 a college student member of the Green team has helped us analyze the results of a survey to the GR businesses that was done a few years ago by a GREC member and a group of high school students. The survey was aiming at collecting feedback on a possible ordinance banning plastic bags. The results of the survey show that virtually all of our merchants were aware of the environmental challenge posed by plastic bags and would like to do something to lessen the challenge. As shown in the graph ~30% expressed their concern though that switching to paper bags might be more expensive, ~40% of the businesses were neutral in this regard and the remaining ~30% were in favor of banning plastic bags. Considering the recent trend to introducing a fee rather than a total ban of plastic bags, and the time-lag passed from when the survey was taken (late 2013), we are currently envisaging designing a modified survey in the near future that can probe the businesses on a fee ordinance and thereby guide our implementation of a plastic bag regulation.

-  Reusable Bags handed out
-  Pledge to use reusable bags
-  FB ad for T-shirt turned into reusable bag activity

 GREC table turning shirt into bag June 2017

 Graphic analysis of Survey to businesses

 Film series Winter 2017