



Sustainable Jersey Certification Report

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

Glen Rock Boro was certified on December 13, 2021 with 475 points. Listed below is information regarding Glen Rock Boro's Sustainable Jersey efforts and materials associated with the applicant's certified actions.

Contact Information

The designated Sustainable Jersey contact for Glen Rock Boro is:

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Actions Implemented

Each approved action and supporting documentation for which Glen Rock Boro was approved for in 2021 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.

Arts & Creative Culture

Establish a Creative Team

10 Points

Program Summary: Glen Rock created its first Creative Art Team in 2017, initially as a sub-committee of the Glen Rock Environmental Commission. The goal of the Team, as articulated in the mission statement was: "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 Art Team has since evolved to include the newly formed Glen Rock Arts Council which was established by Resolution in January 2021. The structure of the group involves open membership and 1 year term. Members of the Arts council include a councilmember and liaison to the Environmental Commission as co-President, and 8 additional members of the community, artists and local business members. 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 in 2020 include: 1. Creative Art Team/GREC o Completion of the EV charging station sign by a resident artist o Creation of ceramic mug by local potter and GREC member commemorating the 125th borough's anniversary 2. Arts Council: o Black Maria mini- movie series February 2021 o Plans for beautification/revitalization of the Alcove area downtown Glen Rock o Municipal Fair to celebrate the 125th anniversary of the borough: design of a reusable bag with the logo and other decorations

IMAGE: [ARTS COUNCIL FILM FESTIVAL 2021](#)

PDF: [CREATIVE ART TEAM MEMBERS](#)

PDF: [RESOLUTION ESTABLISHING THE GLEN ROCK ARTS COUNCIL](#)

IMAGE: [EV CHARGING STATION ARTWORK](#)

PDF: [ARTS COUNCIL PROJECTS 2020-2021](#)

PDF: [CERAMIC MUG FOR 125TH BOROUGH ANNIVERSARY](#)

Creative Assets Inventory

10 Points

Program Summary: The recently created Arts Council of Glen Rock has made several open calls to all artists, artistic organizations and businesses in town to participate in the group in 2020 (see an example here below). The current creative assets inventory is attached here below. An invitation to the annual meeting, included below, lists the formal agenda of the Arts Council. We are also including examples of work from the artists here below.

EXCEL: [ARTS COUNCIL CREATIVE ART INVENTORY](#)

IMAGE: [ARTS COUNCIL - CALLING ALL ARTISTS - MARCH 2020](#)

IMAGE: [ARTS COUNCIL HIGHLIGHTS 2020](#)

PDF: [ARTS COUNCIL - 2020 REPORT TO THE COMMUNITY](#)

PDF: [ARTS COUNCIL - PROJECTS EXAMPLES](#)

IMAGE: [ARTS COUNCIL ANNUAL MEETING AGENDA](#)

Community Partnership & Outreach

Create Green Team

10 Points

 Bronze Required

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. The Green Team operates under the umbrella of the Environmental Commission and has gradually been expanded in the last years by adding several new members of the community. The Green Team is now chaired by a council member and meets regularly and works in collaboration with the EC to assist with actions and outreach. Some of the Green Team's recent activities include the establishment of the Farmer's Market, the creation of an Intern program for Glen Rock students, the development of a pollinator garden program, which includes the installation of a pollinator garden demo in front of Borough Hall, and also coordinating the purchase of plants for residents. The Green Team has also assisted GREC with a very extensive outreach campaign in preparation of the proposal of the single-use plastic bag ordinance that went into effect in January 2020.

PDF: [GREC ANNUAL REPORT FOR 2020](#)

PDF: [RESOLUTION SUPPORTING THE GREEN TEAM - MARCH 2021](#)

EXCEL: [GT MEMBERS 2021](#)

Community Education and Outreach

10 Points

Program Summary: The borough of Glen Rock and its partner committees offer many programs to increase sustainability education throughout the community. The Glen Rock Environmental Commission offers a variety of educational opportunities, sometimes in collaboration with the Green Team and with the Shade Tree Advisory Committee (STAC). Once/twice a year GREC sponsors a presentation on natural landscaping or plant care held by the STAC co-chair and certified horticulturist (see FB ad below). In addition, GREC has a long standing, productive collaboration with the town's Thielke Arboretum, that provides extensive learning opportunities for children and adults, and attracts people from Glen Rock and neighboring communities. Examples include numerous nature walks, bird watching, insect guided tours etc. (<https://www.thielkearboretum.org/>) GREC promotes the numerous educational events by posting on social media (Green Up Glen Rock Facebook page, and also on the popular Glen Rockers), and sometimes by posting on the borough website and through the Glen Rock information notification system email blast to residents. 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 aims to facilitate recruiting residents and students: <http://www.greenupglenrock.com/about.html>. We are submitting here three activities: 1. POLLINATOR GARDEN: with the assistance of a naturalist/horticulturist resident and Shade Tree Advisory Committee co-chair, GREC has created a pollinator garden in front of borough hall as a demo of plants that can attract pollinators. To facilitate residents in 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 initiative was heavily promoted through the Facebook GREC page, Green team page and the popular Glen Rockers. The project turned out to be very successful, and 180 plants for a total of 28 pollinator gardens were ordered and planted in 2019. The program was suspended in 2020-2021 due to Covid-19 but we are planning to repeat it next spring. 2. COMMUNITY CLEAN UP: GREC and the Green Team coordinated the 4th Community Clean Up in April 2021. The event was very successful with 200 people participating in the event (adults and children over 13 years old). Safety precautions were followed due to the Covid-19 pandemic. Pictures from the event can be seen here: <https://www.greenupglenrock.com/cleanuppics2021.html> 3. WATER DAY: we continue to collaborate with the high school Environmental Science teacher, the 4th grade teachers of all 4 borough elementary schools, and the Thielke Arboretum for the annual Water Day event. The event takes place every spring at the Thielke Arboretum and high school students educate the 4th graders about the value of clean water for wildlife and also about the beneficial role of composting. The day involves lots of hands-on activities including observing macroinvertebrates in the pond, additional biological stream assessments, and activities on stream water ecology, water conservation, farm-to-table concepts. An example of the schedule from the 2019 event is here attached.

PDF: [GLEN ROCK POLLINATOR GARDEN PROGRAM](#)

IMAGE: [PLANT CARE 101 - ONLINE WEBINAR JULY 2021](#)

WORD: [POLLINATOR GARDEN CHECKLIST #1](#)

WORD: [4TH GRADE WATER DAY SCHEDULE - 2019](#)

WORD: [COMMUNITY CLEANUP CHECKLIST #2](#)

WORD: [4TH GRADE WATER DAY CHECKLIST #3](#)

Green Challenges

10 Points

Program Summary: In 2021 GREC invited residents invited residents to participate in the Great Plant Exchange. In order to participate residents had to pledge to do their best to propagate houseplants and/or to grow veggies/herbs from seed. The houseplant portion allowed our residents to stay active during the winter months as it began in Dec 2020 and culminated with a March 2021 exchange that took place at Borough Hall. Around 50 people were successful in propagating their plants and participated in the exchange. We created a video that illustrates what a fantastic COVID-friendly challenge this was, <https://www.youtube.com/watch?v=9L83dkl6Wgc> We had 109 people commit to either propagating plants or growing plants from seed which meets the 2.5% requirement of the action. The Veggie/herb portion allowed our residents to exchange their homegrown seedlings during the 2021 growing season. We used a pinned Facebook post so that participants could pick and choose with whom they would exchange their plants.

PDF: [GREEN CHALLENGE FOR SJ ACTION.PDF](#)

Hold a Green Fair

10 Points

Program Summary: In partnership with the Glen Rock Thielke Arboretum the Environmental Commission organized a Green Fair titled "Green Week" that was held for a 8 days period and included daily events starting from April 22 and culminating with a celebration of Arbor day on to April 30th, 2021. Given the Covid-19 pandemic the Earth day celebration was organized as hybrid virtual/in person events with strict precautions for all in person events (only outdoors events, requiring pre-registration, masks and social distancing). To promote the Green fair we did not spend paper or money on ads, but rather advertised on social media (Glen Rock Borough, Environmental commission and Thielke Arboretum Facebook pages), on the borough electronic board and website, and on the Thielke Arboretum website as well as. The event was also promoted via the GRINS weekly e-mail blast to residents. Activities included an opening presentation on current issues on sustainability, nature walk in the Arboretum, a rain barrel workshop, a weed warrior session, to remove invasive weeds from the premises. For in person events, GREC hosted a table for two of these days, in combination with a table from the Shade Tee Advisory Committee (STAC) and a tree seedling give away event where ~750 trees were donated to residents of Glen Rock and neighboring towns. The GREC table offered GREC designed reusable bags to reiterate the single-use bag that started in Glen Rock in January 2021, guidelines to backyard composting and sustainable gardening and landscaping, and energy efficiency material from the NJDEP. We used the occasion to encourage attendees about healthy living and sustainability practices. STAC provided residents with forms and information on how to request free trees to be planted on the right of way of their property. Approximately 105 people participated based on the registration sheet. GREC members also offered two virtual workshops, one on backyard composting and one on sustainable food choices. We also offered two a electric vehicle educational events: a virtual "EV 101 for Newbies", in collaboration with other members of the Sustainable Jersey Bergen Hub, and an in-person "EV car show" in the parking lot adjacent to the Arboretum.

IMAGE: [EV CAR SHOW](#)

IMAGE: [EC AND STAC TABLE](#)

PDF: [AGENDA FOR GREEN WEEK](#)

WORD: [QUALITATIVE ASSESSMENT](#)

IMAGE: [VIRTUAL EV 101 FOR NEWBIES](#)

IMAGE: [GREEN WEEK PROMOTION MATERIAL](#)

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.

IMAGE: [MAYOR'S EMERGENCY REVERSE 911 PHONE MESSAGE](#)

IMAGE: [BOROUGH WEBSITE ANNOUNCEMENT TO REGISTER FOR RESIDENTS WITH SPECIAL NEEDS IN CASE OF EMERGENCY EVENTS](#)

WORD: [EMERGENCY COMMUNICATIONS PLANNING CHECKLIST](#)

IMAGE: [FACEBOOK PAGE FOR GR EMERGENCY COMMUNICATIONS AUGUST 2020](#)

IMAGE: [EMERGENCY EVENT DRILL WITH NJ TRANSIT](#)

Vulnerable Populations Identification for Emergencies

10 Points

Program Summary: Having learned many lesson from Superstorm Sandy, the Office of Emergency Management established a system to reach out an 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 and overseen by the three coordinators of the OEM. Additionally, a webpage is available on the borough website for residents to sign up: <https://glenrocknj.net/oem> A slide running regularly on GRTV encourages residents to submit a registration form for the roster of residents with special needs. There is a permanent link to the form here: <https://glenrocknj.net/index.asp?SEC={504A143C-E27D-4F8C-944A-A24D29557588}&Type=QUICKFORM>, Another reference to the link appears on the to the form on the coronavirus pageant the GR website here: <https://glenrocknj.net/covid19>. The last all call via email was June 12th, 2020 and the last news story post was April 23, 2020: https://glenrocknj.net/index.asp?SEC=C66C388B-270E-457D-AA59-15CA27F7E627&DE=4B296D9E-69B0-4472-9D00-75B0F8D0C602&Type=B_PR

WORD: [VULNERABLE POPULATIONS CHECKLIST](#)

IMAGE: [REGISTRATION FORM ON GR WEBSITE FOR RESIDENTS WITH SPECIAL NEEDS](#)

IMAGE: [GR BOROUGH WEBSITE ALERT TO RESIDENTS WITH SPECIAL NEEDS](#)

Energy

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).

PDF: [AMBULANCE SQUAD ENERGY AUDIT](#)

PDF: [BOROUGH HALL ENERGY AUDIT](#)

PDF: [LIBRARY ENERGY AUDIT](#)

PDF: [FIRE DEPT ENERGY AUDIT](#)

PDF: [ENERGY SAVINGS AT AMBULANCE BDG AFTER UPGRADES](#)

PDF: [IMPLEMENTATION ENERGY EFFICIENCY FOR AMBULANCE BDG INVOICE](#)

Renewable Government Energy Aggregation

50 Points

Program Summary: Renewable Government Energy Aggregation (R-GEA) provides the legal framework and a practical path for encouraging residents (and businesses) to procure electricity generated from renewable sources (eg, 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 (see attached poster) 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 (FAQ) sheet (attached) that residents could turn to for information about the R-GEA program. In January 2018, a resolution was passed to secure the energy agent services of Gable Associates for the purposes of developing and administering energy procurement, and an ordinance establishing the R-GEA was approved in March. After three rounds of bidding, a contract was awarded to Direct Energy that started in June 2019 and ran for 18 months through December 2020. The contract provided RPS + 20% additional PJM Class 1 RECs + remainder in National Wind RECs for a 100% renewable product providing an estimated savings of 6 million pounds of CO2 over the 18-month period. The overall cost to residents was very similar to that of default PSE&G electricity supply during the same period. The program has stimulated much discussion, not only within Glen Rock, but in several neighboring towns who are now developing their own plans for an R-GEA program. A letter certifying the details of the R-GEA is attached. At the end of 2020, the contract expired and Glen Rock entered into a new agreement to join the Sustainable Essex Alliance (SEA) R-GEA program along with 6 towns in Essex County. The attached letter of engagement certifies that Glen Rock is a participating member of the R-GEA program with SEA, and Maplewood, which is Lead Agent for SEA, has an active contract with Gabel Associates.

PDF: [R-GEA LETTER OF CERTIFICATION](#)

PDF: [LETTER OF ENGAGEMENT WITH GABEL ASSOCIATES 2021.PDF](#)

PDF: [R-GEA FAQ](#)

IMAGE: [R-GEA POSTER](#)

Community-Led Solar Initiatives

15 Points

Program Summary: Solar-Purchasing Program: Glen Rock has chosen an online solar marketplace as it's 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-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)

POWERPOINT: [COMMUNITY-LED SOLAR PITCH TO GLEN ROCK COUNCIL](#)

IMAGE: [SOLAR 101 OUTREACH SEMINAR ADVERTISEMENT ON BOROUGH WEBSITE](#)

IMAGE: [ENERGYSAGE AD ON GLEN ROCK FB PAGE](#)

IMAGE: [SOLAR HOUSEHOLD PARTICIPATION - JUNE-AUG 2018](#)

IMAGE: [SOLAR 101 SEMINAR AUGUST 2017](#)

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.

PDF: [MAYOR PACKER LETTER - EV CHARGING STATIONS 10-31-2018](#)

IMAGE: [STREET SIGNS DIRECTING CAR OWNERS TO EV CHARGING STATIONS](#)

IMAGE: [GLEN ROCK PUBLIC ELECTRIC VEHICLE CHARGING PHOTO](#)

IMAGE: [CHARGING STATION IN PLUGSHARE EV CHARGING DIRECTORY](#)

Farmers Markets

10 Points

Program Summary: In 2019 the Environmental Commission continued to offer the Glen Rock Farmers Market that was launched in 2016. Given the difficulties encountered in securing local and sustainable organic farmers, we decided to scale it down to once a month ("Second Sundays") from June through October 2019 from 10am to 2pm. Vendors included well-veffed, local and sustainable businesses such as prepared food makers, and local artisans and musicians. Many vendors reside in Glen Rock. Here's a full list of Vendors : <http://grsecondsundays.weebly.com/vendors.html> Live music was offered each Sunday with local musicians including students from Glen Rock High School and members of the community. One Sunday featured an Electric Vehicle Show organized by members of GREC, with cars owned by residents of Glen Rock and nearby towns. GREC members handed out reusable bags specifically designed for the 125th anniversary of the borough. The demographic of market visitors was a wide range - most came from Glen Rock, and Glen Rock surrounding town's were also represented. Young and senior populations came together to picnic, listen to music, read, create collaborative art projects, eat local food, learn about sustainability, and purchase local sustainably products. Many Glen Rock and area businesses benefited from the foot traffic generated by the GRFM on a Sunday, typically a quiet day downtown. The town of Glen Rock provided space (Borough Hall and parking lot, paid for half the cost of a crossing guard, and paid for waste removal). In addition the borough promoted the markets via social media, electronic sign, and e-blasts. The total for the operational costs for all FM events was \$450, while the revenue generated was \$2,945. Photos can be viewed here: <http://grsecondsundays.weebly.com/pictures.html> A press release appeared on TAPinto: <https://www.tapinto.net/towns/paramus/articles/glen-rock-second-sundays-open-air-market-launches-june-9-4?fbclid=IwAR0ZCL1qaA1ZM6FdxIW86TyztuEAPyiEz7Vuh438oxon3iPffmjttB9osrc> <https://www.facebook.com/GRSecondSundays>

IMAGE: [FLYER](#)

IMAGE: [GR E-BOARD PROMOTING SECOND SUNDAYS FM](#)

IMAGE: [FACEBOOK POST](#)

IMAGE: [GREC HANDING OUR REUSABLE BAGS](#)

Green Design

Green Building Policy/Resolution

5 Points

Program Summary: The Glen Rock council unanimously adopted Resolution No. 140-21 on April 28, 2021, endorsing the adoption of green building practices for civic, commercial and residential buildings. A copy is attached. The borough aims to set a leadership example in the area of green building through the implementation of energy efficiency audits and any upgrades to the municipal building. It will also consider opportunities to incorporate green building measures into the design, construction, operation and maintenance of municipal buildings and facilities, and it will encourage green design for commercial and residential buildings. The Resolution was distributed by the borough administrator to members of the Planning Board, Zoning Board, Township Engineer, Health Officer, Construction Official, Public Works Director. The Resolution was also posted on the Township's website.

PDF: [RESOLUTION ENDORSING THE ADOPTION OF GREEN PRACTICES FOR CIVIC, COMMERCIAL AND RESIDENTIAL BUILDINGS](#)

IMAGE: [MEMO SENT TO BOARDS/COMMISSIONS INFORMING OF RESOLUTION](#)

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 practices, 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.

WORD: [GREEN REMODELING EDUCATION HANDOUT](#)

Health & Wellness

Anti-Idling Education & Enforcement Program

10 Points

Program Summary: In 2009, Glen Rock Town Council passed a resolution establishing Glen Rock as a "No Idle" Zone to enforce the NJ State Idling Law prohibiting motorists' idling to no more than 3 minutes, to encourage no idling in areas near schools, and to minimize toxic vehicle emissions. The issue of idling was a concern that was selected as a project for the Green Team Interns, a group of students enrolled in the recently established Intern program. Despite this town resolution and state law, and the signs posted at the schools, many Green Team interns noted that there is still extended idling in Glen Rock. To raise awareness about Idling and its impacts the interns decided to: 1. Research state and local regulations on idling 2. Think about ways to raise awareness and to promote limiting car idling in the town and organize an Anti-Idling Poster Contest in the schools. They wrote a press release for a local online newspaper. 3. Create a flyer to advertise the anti-idling contest and share the flyer via the Facebook Group Glen Rock Green Team and in the Glen Rock schools. 4. Collect submissions of artwork through dedicated email. 5. Identify and contact local residents to be poster judges including GR teachers, police officers, local business owners and GR Environmental Commissioners, sharing their 6. Share winning poster in the local paper Glen Rock Gazette.

PDF: [ANTI IDLING POSTER CAMPAIGN DOCUMENTATION](#)

WORD: [2021 ANTI-IDLING RESOLUTION](#)

IMAGE: [NO-IDLING SIGN AT BYRD SCHOOL](#)

Building Healthier Communities

15 Points

Program Summary: The Borough of Glen Rock partakes in various activities and programs which help make the town become a healthier community. Glen Rock is submitting for three segments of the populations: Youth, Seniors, and General Community Wellness. Various initiatives that promote health and wellness were offered, and included promoting healthy food and physical activities (fitness, walks, sports). In addition, yoga, meditation, mental health awareness, and social activities were also offered to the residents. See a small selection of activities in the Forms and documentation here attached. In addition, for the past year, due to the current Covid-19 pandemic, a very substantial effort was made by the mayor and council, and by the board of health, to keep the community updated on the progress of the disease. Extensive outreach was also directed to educate residents on the resources available for Covid testing, vaccination sites, and Covid precautions (mask wearing and social distancing) to slow the spread of the SARS-Cov2 virus in the community. A few social media postings are included here below.

WORD: [YOUTH FORM](#)

WORD: [SENIORS FORM](#)

WORD: [COMMUNITY FORM](#)

PDF: [SOCIAL MEDIA POSTING BY THE BOROUGH AND THE MAYOR](#)

IMAGE: [COVID-19 EMAIL FROM BOROUGH NOTIFICATION SYSTEM](#)

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.

IMAGE: [SMOKE-FREE ZONES SIGN AT THIELKE ARBORETUM MAIN ENTRANCE](#)

IMAGE: [SMOKE-FREE ZONES SIGN AT THIELKE ARBORETUM SIDE ENTRANCE](#)

PDF: [GR BOROUGH ORDINANCE # 1689](#)

PDF: [AMERICAN NON SMOKERS RIGHT FOUNDATION \(GLEN ROCK P. 9\)](#)

PDF: [EDUCATION AND OUTREACH FOR SMOKE-FREE ZONES ON BOROUGH WEBSITE AND FACEBOOK](#)

PDF: [REMINDER ON BOROUGH ELECTRONIC BOARD](#)

Innovative Projects

Innovative Community Project 1

10 Points

Program Summary: GR Council member and Green Team chair Teresa Gilbreath led a masterful accomplishment coordinating the Census effort in Glen Rock, achieving #1 town in the state of NJ, with Census results that will be useful for future sustainability initiatives and funding! After attending a meeting in January 2020 sponsored by Sustainable Jersey on Census efforts, Teresa received useful information, strategies and even yard signs! She organized a Census team consisting of several members from local CRAN – Community Relations Advocacy Network. Together, they developed a strategy for enlisting Census workers, communications, town meetings, kiosk, education, visiting history classes in the GR High School, meetings in the GR Library, etc. They were able to enact some of these plans until the pandemic struck in March, and during the lockdown the team had to develop more creative strategies. The Glen Rock borough council was supportive in these efforts creating videos to encourage residents to complete Census forms as well as describing the meaning and importance of a Census for children. As a council member, Teresa was able to give updates on the Census at each Council meeting as well as post information on the town website. The idea of the Kiosk, a concrete place for residents to obtain information and find answers to questions, was moved to a digital campaign. Communications were shared frequently on GR website as well as on GR Facebook pages where Teresa provided regular updates and motivation on percentage completion.

PDF: [GLEN ROCK CENSUS DOCUMENTATION](#)

Innovative Community Project 2

10 Points

Program Summary: The Glen Rock Green Team Intern program is an innovative program for bringing together students interested in environmental sustainability to discuss issues of concern, to identify ways to raise awareness of these issues in the town, and to advocate for sustainable action. It incorporates the diverse skills and interests of the students as they design and enact their own concrete projects, thus building confidence in themselves as well as making impactful contributions to the well-being of our community. The GR Green Team Intern program was organized and supervised by members of GR Environmental Commission and GR Green Team: Laura Occhipinti, Ann Marie Brennan and Melanie Mike-Mayer. This group advertised for interns, arranged for their meetings in the GR Environmental Center, helped students with questions, references, ideas, strategies, and accompanied them on in-person visits. Melanie set up a Google folder tracking weekly attendance, projects, tasks:

<https://drive.google.com/drive/folders/1WuCGCTkADymU5VXQ3FaiNcmSbwLP9tyi> In the Fall 2019, sixteen Interns met weekly for 8 evenings at the GR Environmental Center. The students identified several issues of concern: Plastic pollution, Car pollution, Litter, Pollution related to Home Lawns such as pesticides and gas-powered mowers, Styrofoam Pollution, Water usage, Idling etc. Students organized themselves into teams by interest and skill: Research, Communications, Design, Writing, and Video. They utilized local social media, email, and even in-person visits to communicate with residents, schools, and local business owners to discuss issues. At the last session, each team contributed to a PowerPoint summarizing their work, insights, and recommendations for future interns.

PDF: [SJ GREEN TEAM INTERNS DOCUMENTATION](#)

Innovative Community Project 3

10 Points

Program Summary: Glen Rock was a driving force in the establishment of the Bergen Styrofoam Free Initiative which was the very first program launched by the Sustainable Jersey Bergen Hub group. GREC hosted the first Styrofoam collection drive, which was open to all county residents, and established a protocol for how to effectively run the future drives across the county. 3 Styrofoam recycling drives were held at the Glen Rock Recycling Facility in 2020. Drives were advertised on the Borough Calendar, website, and social media. At least 6 truckloads of material were collected during the incredibly popular and well-attended drives. Residents were provided with information regarding the negative impact of Styrofoam waste and the ease of recycling. Expertise gained during these drives was provided to other municipalities planning to initiate Styrofoam recycling efforts. The following news articles highlighted the successful Styrofoam collection drives:
<https://www.tapinto.net/towns/fair-lawn-slash-glen-rock/sections/green/articles/glen-rock-fills-26-foot-truck-during-styrofoam-drive> <https://www.tapinto.net/towns/fair-lawn-slash-glen-rock/sections/green/articles/glen-rock-environmental-commission-styrofoam-drive-fills-2-containers>
In November 2019, Glen Rock was selected to receive the annual SJ Creativity & Innovation Award, along with Fair Lawn, Leonia, Oakland, Oradell, Ridgefield Park, Ridgewood, and Wyckoff, for the Bergen Styrofoam Free initiative.

IMAGE: [SJ BERGEN COUNTY STYROFOAM FREE LOGO](#)

IMAGE: [STYROFOAM DRIVES IN 2020 - POSTER](#)

IMAGE: [STYROFOAM DRIVE PICTURE - AUGUST 2020](#)

IMAGE: [STYROFOAM DRIVE PICTURE N2- AUGUST 2020](#)

IMAGE: [E-BOARD SIGN](#)

IMAGE: [BOROUGH POSTING FOR DRIVE](#)

Land Use & Transportation

Green Infrastructure Implementation

10 Points

Program Summary: As demonstration projects to show residents examples of Green Infrastructures, GREC has just installed a rain garden at the entrance of the Glen Rock pool. To pay for this project GREC had received a \$1,500 grant from ANJEC. The garden will collect water running off the roof of the staff building at the pool, thereby preventing the water from running into the sewage system. Rain gardens absorb rainwater and allow it to percolate in the soil and help recharge the aquifer, rather than putting stress on our stormwater systems. Native plants best adapted to this purpose were selected for the garden based upon recommendations of the NJ Native Plant Society. The new rain garden will hopefully serve as a model that will inspire residents to install rain gardens on their property. Plants included are: Black-eyed Susan, Asclepias tuberosa, Mountain mint, Joe Pye weed, Dwarf Goldenrod, and Clethra. As additional green infrastructure examples, the Glen Rock Arboretum has set up two rain barrels that capture water from the roof of the tool shed and the roof of the recently built Environmental Education center. A rain barrel workshop was offered during the Green week Earth day celebration in April 2021. Information on the new rain garden has been posted on the borough website (<https://glenrocknj.net/grecraingarden>), and signage is under development. These two examples of sustainable solutions to help flooding and water quality are and will be used for the numerous education events that take place at the Arboretum for residents and students from neighboring towns (<https://www.thielkearboretum.org/school-programs.html>).

IMAGE: [RAIN BARREL AT ARBORETUM SHED](#)

IMAGE: [RAIN BARREL AT ARBORETUM ENVIRONMENT EDUCATION CENTER](#)

IMAGE: [RAIN GARDEN JUST INSTALLED MAY 2021](#)

IMAGE: [RAIN BARREL WORKSHOP - APRIL 2021](#)

Natural Resources

Natural Resource Inventory

20 Points

 Bronze Priority  Silver Priority

Program Summary: In 2020, a subcommittee of GREC commissioners was tasked to update the original Natural Resources Inventory (NRI) written in 2008. We received a \$2,000 grant from SJ/PSE&G to help defray the expenses for the project implementation. The Glen Rock Borough Mayor and Council agreed to provide the remaining funding. We hired our town planner Burgis Associates, that worked with the GREC subcommittee members to update the NRI. This document continues to serve as a foundation for the Planning Board as well as developers during the application process and provide an educational medium and guide of natural resources, landmarks, and open spaces to the public. It includes visual information, graphs, tables and maps about the natural resource characteristics and environmental features of the local municipality and provides criteria for measuring and evaluating resource protection issues. It will be accessible electronically to all public citizens via the township website and social media platforms as well as in printout form available at local public offices. We updated most sections of the original 2008 document, including the Introduction, Open Space, Geology/Topography, Soils, Water Supply and Protection, Surface Water, Stormwater and Watershed, Wetlands, Air Quality, Vegetation and Trees, Habitat and Wildlife, Historic and Cultural Sites, Energy Resources, Recycling and Solid Waste sections. In addition, where applicable and based on the latest available information, most of the mapping in the document has been updated using the latest resources available and connected to the Borough's GIS based studies on other components of the Master Plan. Mapped information that was no longer available or provided in a prior format was reviewed and retained in the document since it was still relevant. We are here uploading the final NRI as well as the maps appendix, that have been approved by the Planning board in October 2021. The updated NRI was adopted as a Resolution in October 2021 (included in the submission) and incorporated into the Borough's Master Plan.

PDF: [GLEN ROCK ERI - APPENDIX MAPS](#)

PDF: [ERI - UPDATED OCTOBER 2021](#)

IMAGE: [MEMO BY BOROUGH ADMINISTRATOR NOV 2021](#)

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, the Director of Public Works, the Planning board and the mayor and borough council, and is the umbrella body for the Green Up Glen Rock Team. Its members include: Sylvia Rabacchi (single-use bags, energy) Ben Meyer (energy, EV, fleet inventory), both Co-Chairs, and Ann Marie Brennan (single-use bags, farmer's market), Lesley Elton (Community Garden, Recycling), Ken Jones (R-GEA, EV, styrofoam), Candace Lynch (recycling, styrofoam), Scott King (liaison to Planning Board and Friends of the Arboretum), and, as alternates, Laura Occhipinti (farmer's market, composting, outreach) and Sara Froikin (single-use bags, farmer's market). The commissioners have been appointed by the mayor with the approval of the council. The mayor has also designated a council member, Amy Martin, as the liaison to GREC. The commission meets on the 3rd Wednesday of each month and the agenda and minutes are posted on the borough website.

PDF: [ORDINANCE ESTABLISHING GREC](#)

IMAGE: [GREC AGENDAS AND MINUTES POSTED ON BOROUGH WEBSITE](#)

PDF: [GREC ANNUAL REPORT FOR 2020](#)

PDF: [GREC AGENDA 3/17/2021](#)

Community Forestry Management Plan and NJUCF Accreditation

20 Points

Program Summary: The Borough of Glen Rock, a "Tree City USA" for the 30th year in 2020, has a Forestry Management Plan approved by the NJDEP. To qualify as a Tree City USA, we are required to maintain a Forestry Management Plan, a budget, celebrate Arbor Day, and have an established a Shade Tree commission/committee. While a formal tree canopy goal has not been established by the Borough, the committee is constantly working to add additional tree cover in the community through various activities such as: Arbor Day plantings, Street Tree planting and tree distribution to the residents, all coupled with education. Glen Rock values its tree coverage and is committed to providing the appropriate maintenance and care to protect the Borough's trees. Glen Rock's active, yearly tree planting program, funded by the Municipal budget appropriated \$20, 000 in 2020 and \$40,000 in 2019 for tree planting purposes. The Shade Tree Advisory Committee (STAC) and the Department of Public Works (DPW) are the primary custodians of tree care and maintenance in the Borough. As seen in the attached reports, STAC is a robust volunteer organization which has overseen the proactive identification of tree planting sites, native tree planting, and maintenance of trees in the Borough for many years. In 2020, despite difficulties related to COVID and with only an interim DPW director, STAC supervised the planting of 97 trees, with 31 more planted in Spring 2021 (as part of 2020 appropriations). In addition, 151 trees were removed due to a safety risk, damage, or potential for damage to the surrounding infrastructure, and 175 trees were trimmed. Approximately 750 bare root trees from the NJ Tree Foundation were also distributed in the 2021 Glen Rock Tree Giveaway program, ongoing since 2013. STAC also assessed the Emerald Ash trees and designed a plan to treat affected trees, which has already begun to be implemented in June 2021, in order to save as many ash trees as possible. Finally, the STAC continues to monitor the impact of the removal of trees during construction and demolition. A dedicated STAC subcommittee, in collaboration with Glen Rock Environmental Commission and Planning Board members is in the process of assessing the Borough code and will propose amendments to improve tree protection in the Borough. In addition to the activities of the Shade Tree Advisory Committee, the Glen Rock Thielke Arboretum (an independent non profit) is constantly planting trees, and has continued their plan for comprehensive restoration of native plants and removal of invasive plants, begun in 2018 under the direction of a trained ecologist and forest restoration specialist and with the help of numerous committed volunteers.

PDF: [ARBORDAYFLYERS2021.PDF](#)

PDF: [COMMUNITY FORESTRY PLAN](#)

PDF: [GLENROCK BOROUGH BUDGET TREES 2019-2020.PDF](#)

PDF: [STAC ANNUAL REPORTS 2019 AND 2020.PDF](#)

PDF: [ACCREDITATIONNJUCF2020.PDF](#)

Tree Maintenance Programs

10 Points

Program Summary: Glen Rock values its tree coverage and is committed to providing the appropriate maintenance and care to protect the Borough's trees. A proactive pruning, inspection, and removal program is in place to fulfill that commitment. An annual tree pruning program helps to improve safety to the public and promote healthier growth. Included in the pruning programs is the removal of dead and hazardous trees. As documented in the attached Shade Tree Advisory Committee (STAC) annual report, in 2020 alone, 151 trees were removed due to a safety risk, damage, or potential for damage to the surrounding infrastructure, 175 trees were trimmed, and 97 were planted (an additional 31 trees were planted in spring 2021 as part of the 2020 budget appropriation). Newly planted trees are guaranteed for one year according to the bid contract. After one year, a visual inspection is made, and stakes are removed. As the table shows, DPW actively inspects, trims, removes, and plants trees. Additionally, the town responds to any tree concerns by homeowners. Typically, residents email STAC or contact DPW directly. All concerns are logged and documented. In drought conditions, newly planted trees are inspected, and, through letters and publicity, homeowners are urged to water them. For trees on non-residential Borough property, careful monitoring and watering also occur, either by DPW workers, or STAC members. The Glen Rock Shade Tree Advisory Committee provides tips and information on tree care and health on the Borough website, on Facebook, and at public events. STAC posts on Facebook weekly with tree care information, suggestions for trees to plant, and information about the value of trees. The Facebook page has close to 300 followers, and most posts receive more than 1,000 views. When residents receive new street trees, STAC sends a letter with information about how to care for the tree (see attached). In the summer of 2021, STAC began giving each resident a small plastic rain gauge to use to monitor irrigation. Each STAC member monitors the condition of street trees, especially newly planted trees, in an assigned district of the town.

PDF: [STAC ANNUAL REPORTS 2019 AND 2020.PDF](#)

PDF: [STACLEITERFORNEWTREES_JUNE_2020.DOCX.PDF](#)

IMAGE: [GRSTACWATERINGREMINDER.PNG](#)

Tree Planting Programs

10 Points

Program Summary: Glen Rock has an active, yearly tree planting program that is funded by the Municipal budget and supervised by the Glen Rock Department of Public Works (DPW) and the Shade Tree Advisory Committee (STAC). The 2020 tree planting budget was \$20,000, and in 2019, the budget was \$40,000. Please note that since the tree planting budget was not a separate specified line item in 2019, the ordinance which appropriated funding for tree planting is attached. In addition, an invoice attached from Downes Tree Service, which assists in tree maintenance, for \$12,175.00 includes details of the species and exact locations is also attached here. Planting sites are typically determined based on homeowner requests. The Tree Request Forms for tall trees and for short trees to be planted under wires are available on the STAC page of the Borough website (see copy attached here). STAC and DPW evaluate all requests and add additional sites based on STAC members' yearly survey. Planting is done by a contracted tree service with the supervision of the DPW, while trained DPW employees handle trimming and maintenance beyond the first year. Every new tree gets a printed tag with care instructions along with a letter to the property owner that describes key elements of tree care and mulching instructions as well as a rain gauge. There are two Tree Request forms: one for tall trees and one for shorter trees to be placed under utility wires. Homeowners with underwire sites have two choices: a shorter tree placed under the wires or a tall tree planted 15 ft from the curb on private property with ownership reverting to the resident after one year. Newly planted trees are guaranteed for one year according to the bid contract. After one year, a visual inspection is made, and stakes are removed. As the table in the Annual reports show, DPW actively inspects, trims, removes, and plants trees. Additionally, the town responds to any tree concerns by homeowners. Typically, residents email STAC or contact DPW directly. All concerns are logged and documented. In drought conditions, newly planted trees are inspected, and, through letters and publicity, homeowners are urged to water them. For trees on non-residential borough property, careful monitoring and watering also occur, either by DPW workers, or STAC members. Every year, STAC partners with the Thielke Arboretum in Glen Rock to provide a tree giveaway as part of an Arbor Day celebration. In 2021, 750 bare root trees from the NJ Tree Foundation were distributed to Glen Rock residents (and some residents from surrounding towns) along with planting and care instructions. The annual tree giveaway is promoted through council meetings, email blasts, and social media. STAC, Glen Rock Environmental Commission and the Thielke Arboretum also promote it through their media. During the Arbor Day commemoration in 2021, STAC presented a webinar, "Tree Care 101," that was open to Glen Rock residents as well as residents of other towns (see Arbor Day Flyers attached). In 2020, the Borough of Glen Rock was recognized as a "Tree City USA" for the 29th year.

PDF: [ARBORDAYFLYERS2021.PDF](#)

PDF: [2020 SHADE TREE PLANTING BID DOWNES 10-14-2020.DOC.PDF](#)

PDF: [2019-TREEPLANTINGBIDPACKAGE.PDF](#)

PDF: [TREEREQUESTFORMS2020.PDF](#)

PDF: [GLENROCK BOROUGH BUDGET TREES 2019-2020.PDF](#)

PDF: [STAC ANNUAL REPORTS 2019 AND 2020.PDF](#)

Operations & Maintenance

Recycled Paper

10 Points

Program Summary: On April 28, 2021, the Glen Rock Council adopted a resolution establishing a policy for purchasing green cleaning products, green maintenance equipment and materials, including office supplies. This resolution reconfirmed the commitment to the purchasing of recycled and environmentally preferable products for use in all administrative offices. These are to include the purchasing of only copier paper that is made of at least 30% recycled materials. We are still ordering paper with >30% recycled content to this date and are uploading the orders from the town's office supply company, WB Mason. Attached are copies of the resolution adopted by the council, as well as images of the recycled copier paper used in the administrative offices.

IMAGE: [30% RECYCLED PRINTING PAPER](#)

PDF: [RESOLUTION FOR GREEN PURCHASING](#)

PDF: [ORDERS FROM WB MASON FOR RECYCLED PAPER](#)

Public Information & Engagement

Municipal Communications Strategy

10 Points

Program Summary: An inventory of communication channels was conducted and we have updated the previous 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 updated 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, and Burbio notification system • Glen Rock TV Government Access and a Glen Rock Seniors Advisory Committee. This all includes a Social Media Policy, and an RSS Feed on our homepage

WORD: [MUNICIPAL COMMUNICATION STRATEGY CHECKLIST - UPDATED APRIL 2021](#)

Improve Public Engagement in Municipal Government

15 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 adding a second opportunity for public comment at the council public meetings, an opportunity was recently added for residents to speak at the council work sessions. Previously, residents were permitted to observe but not speak at the work sessions. The rules for citizen input are posted on the borough website (<https://glenrocknj.net/council>) and also on agenda for the mayor & council meetings. 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 Wednesday. The resolutions and ordinance are included in these agendas. Council meetings are conducted in the evenings, when most residents are available to participate, and the public comment time is placed towards the end of the meetings. Meetings are streamed live on GR TV and on the GRTV Facebook page, and videos of past meetings are available on the borough website. Meeting schedules as well as agendas and minutes for the Environmental Commission, Board of Health, Planning Board, Zoning Board are posted on the borough website. The Township maintains a "GRINS" (Glen Rock Information Notification System), 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. SwiftReach is used for emergency telephone notifications to all residents. The checklist and supporting documentation are posted here below.

IMAGE: [COUNCIL MEETINGS AND GR TV ON BOROUGH WEBSITE](#)

PDF: [COUNCIL MEETING AGENDA OF 5-12-2021](#)

IMAGE: [PUBLIC INFO SESSION ON R-GEA \(SEA\) PROGRAM FEBR. 2021](#)

IMAGE: [GR PUBLIC LIBRARY - SURVEY MAY 2021](#)

WORD: [GLEN ROCK IMPROVEMENT PUBLIC ENGAGEMENT - CHECKLIST](#)

IMAGE: [SOCIAL MEDIA CHANNELS](#)

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 of calculating both municipal and community carbon footprints and focused the effort on data from 2018. 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 13 municipal buildings, to be the equivalent of 2,213 metric tons of CO₂ emitted in the year 2018, including emissions from electricity, natural gas usage, and fleet vehicles. The municipal electric footprint amounted to 1,278 metric tons of CO₂ (835 to power buildings and facilities, and 443 for street lights and traffic lights). Emissions from municipal vehicles come in second at 626 metric tons of carbon emissions in a year, followed by 309 metric tons from natural gas used by municipal buildings. We had no significant use of oil or other fuel sources. Records and billing data from the utility company, PSE&G, were sourced, to collect gas and electricity usage data for January through December of 2018. 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 entered into the Excel spreadsheet calculator provided by Sustainable Jersey which contained formulas for conversions to allow for the calculation in metric tons of CO₂. This produced one cohesive number – our “carbon footprint.” When comparing the municipal carbon footprint from 2014 with the one just calculated for 2018 (1,720 vs 1,278 metric tons of CO₂), the main difference resides in a significant decrease for the street lights electricity consumption that decreased from 850 to 443 metric tons of CO₂, presumably thanks to the gradual upgrade to LED lights by PSEG. We will keep tracking our carbon footprint in the years ahead to allow us to track the impact of improved energy efficiency and renewable clean energy for our municipal buildings, streetlights and fleet.

EXCEL: [MUNICIPAL DATA FROM PSEG](#)

EXCEL: [GLEN ROCK 2018 MUNICIPAL VEHICLES](#)

EXCEL: [MUNICIPAL CARBON FOOTPRINT CALCULATOR - GLEN ROCK](#)

Community Carbon Footprint

10 Points

Program Summary: With the ultimate goal of reducing our carbon footprint, GREC undertook the task of calculating both municipal and community carbon footprints. After calculating the data for the year 2014, for our previous recertification, this time we focused the effort on data from 2018. This will allow us to track our progress towards reducing our greenhouse gas emissions and as we plan and implement activities to improve energy efficiency and increase the use of renewable energy sources in the years ahead. PSE&G data from January through December of 2018 were collected and organized for residential, industrial, commercial and municipal energy usage data. The results were summarized in the community carbon footprint calculator spreadsheet. The data were then expressed in the pie charts here below illustrating metric tons of CO2 emissions due to electricity and natural gas usage from all residential homes, street lights, commercial, industrial and municipal buildings. In addition, emissions from transportation were estimated based on data from the North Jersey Transportation Planning Authority (NJTPA). The total community carbon footprint amounts to 112,740 metric tons of CO2. The pie chart illustrates the breakdown with electricity generation as the largest contributor (38%, 42,953 metric tons of CO2), followed by natural gas (34%, 37,778 metric tons of CO2 emissions) and transportation (28%, 32,094 metric tons of CO2). The pie charts here attached show that for electricity generation the largest contributors to the Glen Rock carbon footprint are the residential (approx. 59%) and commercial sectors (approx. 32%), followed by the schools (5%) and municipal buildings (2%). For natural gas, the largest contributor is the residential sector (80%), followed by commercial (15%), and schools (4%). Residential emissions, unsurprisingly, were the biggest contributors in both categories with 25,154 in electric emissions and 30,168 in natural gas emissions. The commercial sector was the second emitter with 13,690 metric tons of CO2 for electricity and 5,779 tons for natural gas. The borough's public schools also played a significant role, especially in electric usage, at 2,211 and 1,345 in natural gas emissions. The industrial footprint was comparatively insignificant in emissions from electric of 619 metric tons and natural gas at 170 metric tons. There is no longer any significant oil or alternate fuel usage in Glen Rock. Residential vehicle emissions reported in the carbon footprint (31,391 metric tons CO2) derive from NJTPA, and the municipal fleet represents only 623 tons of CO2. We also compared CO2 emissions calculated for 2018 with our baseline previously calculated for 2014, and expressed the results in the bar graph here below: the 2018 CO2 emissions were found to be slightly lower but very similar to the ones in 2014. The main results from the calculation of the community carbon footprint are graphically displayed on the GREC page of the borough website: https://glenrocknj.net/index.asp?SEC=A12FAE01-EB9C-477B-A107-0CD8400A724F&DE=573FC37D-FBD2-4F53-BA01-80CCBB37C314&Type=B_BASIC

EXCEL: [GLEN ROCK DATA FROM PSEG](#)

EXCEL: [GLEN ROCK VEHICLE FLEET](#)

IMAGE: [2014 VS 2018](#)

IMAGE: [GLEN ROCK CARBON FOOTPRINT 2018 - PIE CHARTS](#)

EXCEL: [COMMUNITY CARBON FOOTPRINT CALCULATOR - 2018](#)

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 two permanent sites. A permanent collection box has been installed at Rock Ridge Pharmacy which is located at 191 Rock Road, in the center of town. All drugs may also be disposed of at the local CVS, which is located at 175 Rock Road. Residents may dispose of expired drugs and drugs they no longer use, during all business hours. The two locations are open daily. Residents are asked to remove any identifying information on containers. This information about drug disposal has been communicated to residents via three sites - the Glen Rock website borough news, Facebook borough and GREC pages, and on a flyer located in Borough Hall. 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. The information is also posted on a permanent location of the GREC borough webpage (<https://glenrocknj.net/GREC>): https://glenrocknj.net/index.asp?SEC=C66C388B-270E-457D-AA59-15CA27F7E627&DE=BABC71CC-3921-4EBC-8E8F-60F182316829&Type=B_PR. Residents were also notified about the Drop Box through Boro email. Drugs collected at Rock Ridge Pharmacy are sent to an outside vendor, Ark Returns. Four boxes, each weighing 25 pounds are sent every 2 to 3 months. Thus, approximately 500 pounds of drugs have been collected at this site. The owner of the pharmacy could provide no further details regarding numbers of prescriptions collected. Because of privacy concerns, CVS was unwilling to share any details about its collection process.

IMAGE: [PRESCRIPTION DRUG DISPOSAL SITE - CVS](#)

IMAGE: [FLYER IN BOROUGH HALL INFORMING RESIDENTS HOW TO DISPOSE OF UNWANTED DRUGS](#)

IMAGE: [PRESCRIPTION DRUG DISPOSAL SITE - ROCK RIDGE PHARMACY](#)

IMAGE: [BOROUGH WEEKLY EMAIL NOTIFICATION TO RESIDENTS AND LINK](#)

IMAGE: [FACEBOOK BOROUGH AND GREC POSTINGS - MEDICATION DROP BOXES](#)

IMAGE: [PRESCRIPTION DRUG DISPOSAL INFO - BOROUGH WEBSITE](#)

Recycling and Waste Reduction Education and Compliance

15 Points

 Bronze Priority  Silver Priority

Program Summary: The Glen Rock Environmental Commission has made a great effort during the last few years to improve recycling and reduce waste in the town. These efforts have included ongoing communication with the town's recycling vendor, to clarify the precise details about what materials are acceptable for recycling and what factors hinder effective recycling. Extensive efforts have been made to encourage residents to avoid using plastic bags in general, and to specifically not use them for recycling other recyclables. Information has also been provided to residents about where they may take many items that are not collected at the town recycling center (https://glenrocknj.net/vertical/sites/%7BB096DD7C-E007-4467-ABAD-D572BD7C982C%7D/uploads/GlenRock_donations.pdf) Residents have been informed of changes to recycling requirements through the Glen Rock website with new pictorial depictions of what materials are acceptable and which are not. These graphics were also included in the annual Glen Rock calendar which is distributed annually to all residents, as well as in a printed document (Recycle the Right Way) which was sent to all households. A short video "We Can Do It Better Glen Rock", <https://vimeo.com/217584637>, describes how our waste is recycled and what residents can do to segregate their recyclables more effectively so they will indeed end up being recycled. The video is posted on the borough recycling page (<https://glenrocknj.net/recycling>), and on borough and environmental commission Facebook pages (pictures here below). Similarly, a list of donation sites that can accept all kinds of donations from residents, compiled by a Girls Scout Silver award a few years ago, is posted on the borough recycling website and on borough Facebook pages. Workers from the DPW carry violation notices on their trucks, which are attached to non recyclable items and recyclable items that have not been packaged correctly at the curbside and are thus not collected (see below). The Recycling Coordinator for the town regularly travels around the town making sure residents are in compliance with recycling regulations.

PDF: [RECYCLING AND WASTE REDUCTION ORDINANCE](#)

IMAGE: [2021 CALENDAR - PRINTED INFO ON WASTE REDUCTION/RECYCLING](#)

PDF: [FACEBOOK POSTINGS - VIDEO AND DONATION LIST. JULY 2021](#)

IMAGE: [BOROUGH WEBSITE - RECYCLABLE MATERIALS](#)

IMAGE: [RECYCLING VIOLATION NOTICE](#)

WORD: [WASTE REDUCTION EDU COMPLIANCE STRATEGY GLEN ROCK 7-27-2021](#)

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 Confidential 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 June 27, 2020. Approximately, 80 vehicles participated and 5,880 pounds of paper were collected for shredding. A second paper shredding event was held on October 28, 2020, at which time 120 households participated and 5,000 pounds of paper were collected.

IMAGE: [COMMUNITY PAPER SHREDDING EVENT](#)

IMAGE: [RECEIPT FROM PAPER SHREDDING EVEN](#)

IMAGE: [COMMUNITY PAPER SHREDDING EVENT](#)

Household Hazardous Waste

5 Points

Program Summary: Glen Rock residents may recycle unwanted consumer electronics at the Municipal Recycling Center, which is open 4 days a week, year-round. 24.9 tons of residential consumer electronics were taken for recycling in 2020, as shown on the tonnage report. The availability of electronics recycling is advertised on the Borough website. Glen Rock encourages residents to recycle vehicle batteries and allows them to be dropped off at the Recycling Center. The availability of vehicle battery recycling is advertised on the Borough website.

IMAGE: [2019 TONNAGE](#)

PDF: [HOUSEHOLD HAZARDOUS WASTE SUMMARY](#)

IMAGE: [2020TONNAGE.JPG](#)

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 and clothing. Metal and electronic items are also collected separately at the Recycling Center, and twice a year, paper shredding events are held there. During 2020, several events were held to collect styrofoam. 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 specific information regarding the nature of what is being collected at any given time is on the boro website at https://glenrocknj.net/public_works 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, with particular attention to paper collection. 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.

PDF: [GR TONNAGE REPORT 2020](#)

IMAGE: [RECYCLING DEPOT PHOTOS](#)

IMAGE: [PHOTOS OF RECYCLE CENTER](#)

IMAGE: [GLEN ROCK RECYCLABLE MATERIALS - COMMUNITY CALENDAR](#)

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 program kicked off 5.4.2020 in the middle of the COVID pandemic but we had great success! Please see the attached slide show that will include all the back-up documentation.

PDF: [2021 SLIDE SHOW IN PDF THAT CONTAINS DOCUMENTATION](#)

PDF: [COMPOSTING GUIDELINES POSTED ON BOROUGH WEBSITE](#)

POWERPOINT: [2021 SLIDE SHOW IN POWERPOINT THAT CONTAINS DOCUMENTATION](#)

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 covered with natural grass. The high density of houses throughout the borough does not allow for extensive woody areas or 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 Ms 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. Yearly, the EC invites naturalist/horticulturist Ms Elaine Silverstein, certified in Sustainable Landscape Management by the New York Botanical Garden and co-chair of the Shade Tree Advisory Committee, to give a presentation on "Backyard sustainability for homeowners" where, among other tips for maintaining a healthy and sustainable yard, she encourages to follow the grass, cut-it and leave-it practice, that returns the nutrients back to the soil, reducing the amount of fertilizer needed. 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 collaboration with Ms Silverstein GREC has developed a flyer with guidelines to the "Grass: cut it and leave it" program that is distributed at many public events (green fair, farmer's markets...). In addition, an informative brochure from NJ DEP is posted on the borough/environmental commission website (See supporting documentation)

IMAGE: [GRASS AND LEAVES GUIDELINES POSTED ON GREC BOROUGH WEBPAGE](#)

PDF: [NJDEP GRASS CUT AND LEAVE FLYER, HANDED OUT](#)

WORD: [SUSTAINABLE GARDENING AND GRASS: CUT IT AND LEAVE IT - GUIDELINES](#)

Materials Reuse Program

10 Points

Program Summary: Documentation for this entry describing the Glen Rock's Freecycle Friday and the Buy Nothing programs is presented below. These are both Facebook Forums. Freecycle Friday: Anywhere from 500-1000 people comment on the thread EACH week. We estimate that this program saves 1 ton per week from reaching the landfill. This calculation was determined by reviewing a sample period of four weeks worth of "stuff" that was posted on the FB page. Over the course of a year, 52 tons will have been saved from entering the solid waste stream. Buy Nothing: This group has 400+ Members. We estimate that 5 tons of material was diverted from the landfill annually. This calculation was determined by reviewing a sample period of four months worth of "stuff" that was posted on the FB page.

EXCEL: [FREECYCLE ESTIMATED WEIGHTS](#)

EXCEL: [BUY NOTHING GLEN ROCK ESTIMATED WEIGHTS](#)

IMAGE: [SAMPLE 1 OF HOW THE TRANSACTIONS WORK](#)

IMAGE: [SAMPLE 2 OF HOW THE TRANSACTIONS WORK](#)

PDF: [MATERIALS REUSE SUPPORTING SLIDE SHOW](#)

Reusable Bag Education Program

5 Points

Program Summary: The Glen Rock Environmental Commission has been very concerned about the damage done to the environment by the accumulation of single-use plastic bags for several years. For the last 10 years, we have been implementing frequent and regular outreach campaigns with both the residents and the businesses in preparation for an ordinance that would ban single use plastic bags. The campaigns included handing out GREC-designed reusable bags at public events, soliciting residents to sign a pledge to refuse plastic bags and use reusable bag, showing of green documentaries including "A Plastic Ocean", a TREC collection of plastic bags and film, and filling out surveys with the borough businesses to collect feedback on a possible ordinance banning plastic bags. The survey results were very promising and in Spring 2019 the mayor and council decided to adopt an ordinance drafted mostly by GREC. Glen Rock ordinance #1799 regulating bags went into effect on January 1st 2020. The ordinance bans a commercial business from providing single-use plastic bags at the point of sale, and adds a 10c fee for bags provided to the customer (reusable or paper). Criteria are defined for reusable bags, and paper bags need to be at least 40% postconsumer recycled. To assist and prepare residents and businesses for this transition implementing the new ordinance, GREC continued to be heavily involved in educating residents as well as local businesses about the ordinance, and to raise awareness about the detrimental effect of single-use plastic bags to the environment. Outreach activities included: contacting the larger businesses to monitor the progress of the new regulations, and continuing the outreach campaign to residents. Most businesses reported positive feedback and acknowledged a drastic reduction in the number of bags provided to their customers as well as an increase in the customers bringing their own bags. We created and delivered flyers to all businesses to help them inform their customers about the new ordinance. For residents outreach, GREC designed educational posters to inform them of the new ordinance. In addition, GREC designed and ordered new reusable bags to hand out at public events, to encourage the use of reusable bags, and created several posters/flyers that were posted on social media and on the borough website.

IMAGE: [FLYER DISTRIBUTED TO ALL BOROUGH STORES](#)

PDF: [FLYER DISTRIBUTED TO ALL BOROUGH STORES - DID Y REMEMBER YOUR BAG](#)

PDF: [BOOKMARK - GR SAYS NO TO PLASTIC BAGS](#)

PDF: [GLEN ROCK ORDINANCE #1799 - SINGLE-USE BAGS](#)

PDF: [BROCHURE EXPLAINING THE ORDINANCE - FOR RESIDENTS](#)

IMAGE: [FOLDING REUSABLE BAGS - HOLIDAY PRESENT](#)