



Sustainable Jersey Certification Report

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

Glen Rock Boro was certified on September 17, 2024 with 230 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 2024 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.

Community Partnership & Outreach

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 that

assist with outreach activities and SJ actions implementation. Some of the Green Team's recent activities are listed in the Annual Report here below. Some of the new implementations include the establishment of a new Green Business Recognition program, the creation of a municipal styrofoam collection for recycling, purchase of 2 municipal EVs, installation of new rain garden. As usual the Green Team continued its extensive outreach campaign to promote sustainable landscaping and electric leaf blowers, and also reduction of single-use plastic by promoting reduction and container re-use, bring-your-own.

PDF: [RESOLUTION SUPPORTING THE GLEN ROCK GREEN TEAM](#)

EXCEL: [GT MEMBERS 2023](#)

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](#)

Residential Energy Efficiency Outreach

10 Points

Program Summary: Glen Rock applied for and received an SJ PSE&G partnership grant following a resolution approved by the Glen Rock Borough Council on April 12, 2023. This grant provided information, support and a tool kit to create a residential Energy Efficiency outreach plan. The monies from the grant helped purchase signage, tabling materials and giveaways. Glen Rock's outreach plan included: 1. a letter mailed to all Glen Rock homeowners personalized for Glen Rock and signed by the Mayor, highlighting the advantages of having a home energy audit. 2. An online video, with scenes of Glen Rock, that included a notable Borough Council member plus a resident speaking about the experience, the importance and advantages of having a home energy audit, and 3. an info-session at the library which was videotaped for future use. The Mayor spoke at the beginning of the info-session at the library. One of the main speakers was a representative of Ciel Power who is considered a top trade ally of the Partnership. The session was well received and many took the cards distributed by Ciel for a free home energy assessment. Marketing included articles in the Glen Rock Gazette, various social media Facebook groups throughout town, the weekly "Boro Blast" , a weekly online communication sent to approximately 3,000 borough residents, flyers were posted in town and messages about the event were placed on the electronic sign in the middle of town. Information about the advantages of a home energy audit and the video is posted on the GREC page of the borough website. Future events include an info-session during Glen Rock's Arbor Day celebration and additional outreach to community organizations to show the video and discuss the advantages of signing up for a home energy assessment.

PDF: [COUNCIL RESOLUTION-APRIL 12,2023.PDF](#)

PDF: [LETTER TO RESIDENTS FROM MAYOR.PDF](#)

PDF: [SJ-PSEG RESIDENTIAL PROGRAM FLYER.PDF](#)

PDF: [OUTREACH-PUBLICITY.PDF](#)

: [LINK TO YOUTUBE PSEG VIDEO.TXT](#)

PDF: [OUTREACH & INFO-SESSION PHOTOS.PDF](#)

Municipally Supported Community Solar

15 Points

Program Summary: The Borough of Glen Rock has a high level of interest in promoting energy policies that result in environmental benefits to the community. The emergence of a vibrant solar market is greeted with interest and enthusiasm since it will contribute to the provision of renewable energy sources for our residents. The Borough welcomes new initiatives that help fulfill the goals of the New Jersey Energy Master Plan adopted in 2019, and the Clean Energy Act of 2018. The Borough has therefore given support to the Community Solar initiative, which helps to fulfill Strategy 6 of the Energy Master Plan to encourage participation by low-moderate income households, and Goal 6.2.1 of the same Plan, to support community solar projects. Glen Rock has therefore decided to support Community Solar. The Borough Council approved Resolution 251-23 on September 13, 2023 supporting Community Solar projects that offer a minimum savings of 20% on electric power cost for low-to-moderate income households, and a minimum savings of 15% for all others. The Mayhill Solar LLC organization, operating through Arcadia Power, then established community solar service for Glen Rock residents. The service is currently listed on the community solar lookup tool at sustainablejersey.com/communitysolar, using the Zip code for Glen Rock, which is 07452. Outreach and publicity have been performed to make residents aware of this new service, both through in-person and online methods. A presentation was made at an in-person info-session at the Glen Rock library on January 22, 2024 and flyers were distributed. Flyers were also distributed at the Earth Day / Arbor Day celebration at the Arboretum on April 27,

2024, and at the Senior Fest on May 5, 2024, and have been posted at other locations, in addition to on-line postings on the Borough website and FaceBook.

PDF: [RESOLUTION-COMMUNITY SOLAR.PDF](#)

PDF: [COMMUNITY SOLAR COMES TO GLEN ROCK-POSTING ON MUNICIPAL WEBSITE.PDF](#)

PDF: [NEW_JERSEY_COMMUNITY_SOLAR_PROJECT_FINDER-GLEN ROCK, ZIP 07452.PDF](#)

PDF: [FLYER COMMUNITY SOLAR COMES TO GLEN ROCK.PDF](#)

PDF: [PRESENTED AT PUBLIC INFO-SESSION JAN 22,2024.PDF](#)

PDF: [PUBLIC OUTREACH.PDF](#)

Purchase Alternative Fuel Vehicles

10 Points

Program Summary: The Borough has purchased two electric vehicles for municipal use by employees. Both of the vehicles are plug-in fully electric Nissan Leaf compact cars. These vehicles are now being used on a shared basis by the Recreation Director, the Zoning Officer, and the Crossing Guard Captain. The electric vehicles are currently being charged using the municipal electric vehicle Level-2 chargers previously installed in the Main Line Station parking lot and available for public use. Plans are underway for chargers to also be installed in the parking lot adjacent to Borough Hall, during 2024. The two vehicles were placed into service during 2023. The advantages of the use of these electric vehicles include the reduction in consumption of gasoline and the resulting reduction in production of pollution products. The Nissan Leaf is well suited to the needs of a municipal employee. The standard 40 kWh battery provides an EPA-estimated range of 149 miles. Most of the use cases for these vehicles will be for various administrative functions within the municipality. Seating capacity of 2 in front and 3 in back makes this model suited to municipal needs. The hatchback design allows transportation of light cargo or equipment loads. The car has charging ports for the usual Level 1& 2 chargers and also will accept a Fast-DC charger. According to the Glen Rock Director of Parks and Recreation, Bryan McDonnell, the Nissan Leaf is "great for getting around town." He found it good for transporting supplies for park monitors this past Summer. To date there have been no problems requiring maintenance. One manufacturer's recall is currently awaiting a replacement part. The Nissan Leaf electric vehicles were featured in the Fourth of July parade in Glen Rock in 2023 (see photo).

PDF: [NISSAN LEAF REGISTRATION](#)

IMAGE: [PHOTO--NEW_ELECTRIC_VEHICLE_AT_JULY_4TH_PARADE.JPG](#)

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 NJ DEP and additional funds from Tesla to pay for the installation of 2 Level 2 chargers located at a public parking lot convenient to both NJ Transit rail service and downtown shopping. The 2 chargers, a Clipper Creek model HCS-40 and a Tesla Wall Charger, both non-networked, were provided free of charge by Tesla, and are listed on publicly accessible directory systems, both PlugShare (<https://www.plugshare.com/location/161582>) and the U.S. Department of Energy

(https://afdc.energy.gov/fuels/electricity_locations.html). The Borough of Glen Rock owns both chargers, and they are available to the public. Initial installation was completed in 2018, and the chargers continue in operation currently in 2024. Directional signs to notify the public of the location of the charging stations were placed at the time of original installation, and remain in place at the time of this submission in 2024. A modest fee of \$1.50 per hour is charged for charging at a rate of 7.5 kW when used by the public, which partially offsets the cost of electricity. The chargers are located in the Glen Rock Central Business District, offering close 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. The chargers provide a benefit to the community by providing a convenient facility for charging an electric vehicle while the owner is shopping or visiting in downtown Glen Rock.

IMAGE: [GLEN ROCK PUBLIC ELECTRIC VEHICLE CHARGERS, FEBRUARY 2024.JPG](#)

PDF: [LETTER_FROM_MAYOR.PDF](#)

IMAGE: [ENERGY.GOV CHARGER DIRECTORY.JPG](#)

IMAGE: [PLUGSHARE DIRECTORY-GLEN ROCK CHARGERS-AS OF MAY 1, 2024.JPG](#)

PDF: [STREET DIRECTIONAL SIGNS TO GLEN ROCK MUNICIPAL CHARGERS, 2024.PDF](#)

Green Design

Create a Green Development Checklist

10 Points

Program Summary: The application process for the Planning Board has been amended to require the submission of the newly adopted Green Development Questionnaire with all applications to the Planning Board for major site plans, 'D' variances, and major subdivisions. The development and evolution of this process started with the SJ model for the Green Development Checklist. A committee was formed with representatives from the Environmental Commission and the Shade Tree Committee. Several meetings were held with the committee, the Environmental Commission, the Planning Board, and the Borough Council. See the separate file with a chronology of the meetings that were held over the period of January 2023 through April 2024. On April 10, 2024, the Mayor and Council approved Ordinance 1922 on second reading, incorporating the Green Development Questionnaire into Chapter 23-35 of the Municipal Code. On April 24, 2024, the Mayor and Council approved Resolution 116-24, approving the form for the Green Development Questionnaire. During development of the document, the Planning Board referred the draft for review by the Planner and Engineering professionals. During the meetings with the Planning Board, legal counsel for the Planning Board decided to call the document the Green Development Questionnaire, rather than Checklist, since a "checklist" might connote mandatory compliance, which would not be the case with this document. Each year the collected documents submitted by Planning Board applicants will be analyzed by the Environmental Commission to see if there are any trends or concerns. Appropriate recommendations will then be made for update of regulations or codes. This process will fulfill the intent of this document in providing useful feedback toward improvement of sustainable development and green design objectives.

PDF: [GREEN DEVELOPMENT CHECKLIST MEETINGS AND EVENTS.PDF](#)

PDF: [RESOLUTION 116-24 AND CHECKLIST.PDF](#)

PDF: [ORDINANCE_1922.PDF](#)

PDF: [RESOLUTION-SUSTAINABLE LAND USE.PDF](#)

Health & Wellness

Building Healthier Communities

25 Points

Program Summary: The Borough of Glen Rock partakes in various activities and programs which help improve the health and wellness of our residents. Glen Rock is submitting for the Mayor's participation into the Mayor Wellness Campaign (MWC) and also for wellness activities offered to three segments of the populations: Youth, Seniors, and general Community. Glen Rock is a first time "Healthy Town to Watch" designee, based on the variety of health topics tackled in the MWC: these included promoting healthy habits (physical activity and healthy food) and advance care planning. Many, diverse initiatives that promote health and wellness were offered in 2023: various exercise opportunities were offered to the residents (fitness, walking, sports, yoga). In addition, meditation and mental health awareness, as well as many social activities were also offered. Several educational events were offered in 2023, including providing information about drinking water quality and PFOAS contamination, health and safety regarding the demolition of the Nabisco factory, mental health stigma reduction etc. A new initiative this year focused on dedicating the borough calendar to health and wellness, and named "Rock to Health": each month was focussed on a different aspect and council members prepared a short video for each month of the year to be distributed to the residents via social media and the borough website (here a few samples: <https://fb.watch/IQ9WXVaerA/>, https://fb.watch/IO_vL0ZRio, <https://www.facebook.com/watch/?v=528425412780258>, <https://www.facebook.com/watch/?v=1155862781655161>). A selection of activities performed is listed in the Forms and documentation here attached.

WORD: YOUTH

WORD: SENIORS

IMAGE: MAYOR WELLNESS CAMPAIGN

PDF: GR HEALTH AND WELLNESS - 2023 EDUCATIONAL ACTIVITIES

WORD: COMMUNITY

IMAGE: HEALTHY TOWNS TO WATCH DESIGNATION

Innovative Projects

Innovative Community Project 1

10 Points

Program Summary: Gas-powered leaf blowers (GLBs) present significant health and environmental issues, that have been recognized for more than 20 years and have been recently the object of increased attention spurring the roll-out of new scientific studies that have widely confirmed their harmful impacts. HEALTH: most gas leaf blowers use extremely inefficient "two-stroke" engines resulting in the emission of large amount of fine particulate, high levels of ozone-

forming exhaust, volatile organic compounds and benzene along with other pollutants: from a health prospective, ozone and particulate pollution are considered a hazard to cardiac, cerebrovascular and respiratory health, while volatile organic compounds and benzene are linked to cancer. In addition, blasting air creates dust, and raises mold, pollen that can irritate and cause respiratory and other health issues. HEARING: extensive scientific evidence shows that exposure to loud and/or persistent noise from GLBs can causes hearing losses and heart disease (particularly for the operators). The World Health Organization (WHO) recommends an outdoor noise level below 55 decibels. Common brands of GLBs are 100+ decibels at the source and as high as 83 decibels at 50 feet. LIFE QUALITY: noise from gas leaf blowers travels unusually far and easily penetrates walls and windows, due to a strong low-frequency component that make them particularly annoying for the residents. This often prompts residents to move indoors, close the windows, and may results in loss of relaxation enjoying the fresh air or the outdoors, impacting the quality of life. ENVIRONMENTAL ISSUES: significant green-house gas emissions, particularly exacerbated by the nature of the 2-stroke engine, negatively impact the air, and exacerbate the effects of climate change. In addition, the strong blowing action disrupts the natural habitat for important pollinators living and nesting under the leaves, and resulting in top soil erosion and loss of biodiversity, already in peril. To get educated on the topic and up-to-date on other towns activities, GREC members joined the ATL-NJ (Advocates for Transforming Landscaping) group, which has successfully been educating municipalities and state legislators about the dangers of GLBs and advocated to enact legislation regulating the use of gas leaf blowers. Over the past 3 years, GREC has implemented a multi-prong outreach campaign to educate the residents about the hazards of GLBs and also aimed at promoting quieter, healthier and greener alternatives. We encouraged avoiding the use of leaf blowers in general, in the Fall, for example, by raking the leaves to the flower beds, mulching the leaves in place. In alternative, when necessary, residents are encouraged to use battery-operated leaf blowers. We started off the campaign by partnering with a college student interning with us in Summer 2021: we compiled a survey released on social media with the goal to gage residents feedback on GLB and their propensity to switching out of them. 288 responses were collected and analyzed and illustrated in pie charts. Another outreach activity was to invite a few landscapers to display their sustainable landscaping equipment at an electric vehicle car show organized in Ramsey, NJ in October 2021. A “leave the leaves” campaign was also rolled-out as well in the Fall. For residents that deem leaf blowers necessary, we promoted the use of battery-operated leaf blowers as alternative to GLB: we purchased 3 units and raffled 2 of them out to resident at green fairs (one at Earth day in April 2022, and the other at Senior Fest in Fall 2022). For the third unit, we created a loaner program in collaboration with the borough public library: residents can check out and test the battery-operated leaf blower for 3 days through the Library of Things program. This turned out to be a very popular item according to the library personnel! As GREC continues outreach efforts with the residents, we also started educating the borough council about the issues with GLB and updating them about various type of ordinances restricting the use of GLB that other towns have been putting in place.

IMAGE: [SURVEY POSTED ON FACEBOOK - OCT 2021](#)

PDF: [SURVEY RESULTS - EXCERPTS](#)

PDF: [OUTREACH ACTIVITIES](#)

Innovative Community Project 2

10 Points

Program Summary: The bottled water industry generated roughly 600 billion plastic bottles and containers in 2022, which resulted in around 25 million tons of plastic waste according to the United Nations University Institute for Water, Environment and Health, which analyzes the industry’s global impacts. Less than 5% of single-use plastic is recycled in the US and the rest is either incinerated, causing toxic smoke, goes to landfills, where it leaches chemicals as it takes about 450 years to break down, or ends up in waterways, where it kills marine life and is ingested

by fish which in turn goes up the food chain into people. Furthermore the WHO has found that one bottle of Nestle water contains 10x more plastic than tap water. Clearly there is no benefit to buying plastic bottled water in Glen Rock if tap water is filtered. In our quest to make Glen Rock a plastic free zone, GREC recognizes that single-use plastic water bottles are the number one plastic trash item we have to tackle. So we researched pricing, maintenance and types of WATER REFILL STATIONS and put together a presentation for the Mayor and Council. The council agreed this would be a great way for Glen Rock residents and visitors to reduce plastic waste. They went on to purchase 3 Elkay water refill stations. The first one has been installed on the exterior wall of the Restroom building at the largest borough recreational and athletic field, the Faber Field Complex, located on Doremus Avenue in Glen Rock (see photos). The remaining stations will be installed at The Alcove, a public space in the central business district along Rock Road, and at the children's playground by the public swimming pool. Public signs have been placed (see photos), and posters and flyers have been distributed to inform the public of the availability of the stations.

PDF: [WATER BOTTLE FILLING STATION LOCATED AT FABER FIELD.PDF](#)

PDF: [DIRECTIONAL SIGNS FOR WATER BOTTLE FILLING STATION.PDF](#)

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](#)

Local Economies

Green Business Recognition Program

10 Points

 Bronze Priority  Silver Priority

Program Summary: In May 2022 the Glen Rock Environmental Commission in partnership with the mayor and council launched a new Glen Rock's Green Businesses Certification program that recognizes retail businesses that incorporate sustainable practices. Businesses that successfully demonstrate a commitment to sustainability can now receive a certification award. The business will be recognized at a public council meeting where they will be handed the certificate as well as a sticker to be posted on their door. The business name will also be included on the list of Glen Rock Certified Green Businesses on the borough website, so residents and customers alike can recognize their actions that promote healthy living and a healthy planet. The program allows businesses to earn points for environmentally-friendly practices in two areas: single-use plastic reduction and energy efficiency Three levels of certifications are achievable: • Bronze: 15 points • Silver: 30 points • Gold: 50 points An extensive outreach campaign was conducted by visiting 25 businesses in person to introduce the program, and also by informing the business organizations (Chamber of Commerce, Guild) and with an oral presentation at a Chamber meeting. A trifold flyer was created and handed to businesses during the visits. An orientation meeting was also held at Borough Hall in May 2022. The first award, at the Bronze level, was conferred to The Original Plantwich in February 2023. A subsequent Silver award went to Giannellas Subs in December 2023. An award to Tasty Junction is the final stages for 2024.

PDF: [GREEN BUS RECOGNITION PROGRAM DESCRIPTION AND APPLICATION FORM](#)

PDF: [GREEN BUS CERTIFICATE - 1ST BUSINESS](#)

PDF: [TRIFOLD BROCHURE FOR BUSINESSES](#)

IMAGE: [CHAMBER MEETING](#)

PDF: [GBC - 2ND BUSINESS](#)

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: chair Ben Meyer (EV, fleet inventory, tree protection ordinance), Scott King (chair to Planning Board), Candy Hall (energy, tree protection ordinance), Michelle Tyler (single use plastic, green business award), Elaine Silverstein (energy, sustainable gardening, gas leaf blowers), David Lindley (food waste composting, energy). The commissioners have been appointed by the mayor with the approval of the council. The mayor has also designated a councilmember, 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 (<https://glenrocknj.net/meetings/meeting-documents/environmental-meeting-documents>).

PDF: [ORDINANCE ESTABLISHING GREC](#)

IMAGE: [2023 GREC AGENDAS](#)

IMAGE: [2023 GREC MINUTES](#)

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

PDF: [GREC MINUTES 2024-02-21.PDF](#)

PDF: [ANNUAL REPORT GREC 2023.PDF](#)

Community Forestry Management Plan & NJUCF Accreditation

20 Points

Program Summary: Glen Rock has been a "Tree City USA" for 34 years and has a Community Forestry Management Plan in place through December 31, 2024. It is also accredited by the Urban and Community Forestry of the NJDEP. Glen Rock loves its trees and several groups work together

(the Environmental Commission, STAC, and the Arboretum) to try and protect our canopy. We use a multi-pronged approach to educating residents on tree care including weekly social media education as well as municipal messaging. Glen Rock annually celebrates Arbor Day with family friendly games and other outdoor events that include tree education and sapling giveaways to encourage residents to plant more trees. In addition to community engagement, Glen Rock shows it values trees through its tree planting and maintenance programs. To that end, Glen Rock applied for and received a Stewardship Grant last year. The main goal of the grant was to perform a hazardous tree survey and inventory as many street trees as possible with the monies allotted. This allowed for 4,000 sites to be inventoried and was completed in early January 2024. A key advantage of the survey is to provide DPW workers with information about levels of tree health that will help them better manage and prioritize their work. The inventory information has been stored on I Tree and will be updated as tree work is being performed. Another advantage is knowing the species breakdown which will guide the borough in ensuring there will be enough diversity in its future choice of trees for its urban forest. Emerald Ash borer was identified in Glen Rock in 2020 and ash trees received their second treatment in 2023. Because of this proactive treatment, Glen Rock was able to save many of our ash trees.

IMAGE: [OUTREACH AT ARBOR DAY CELEBRATION, GLEN ROCK ARBORETUM, 04-27-2024.JPG](#)

PDF: [COMMUNITY FORESTRY PLAN-GLEN ROCK 2019-2023.PDF](#)

PDF: [CFMP DOCUMENTS.PDF](#)

PDF: [NJUCF ANNUAL ACCOMPLISHMENT REPORT \(AAR\) FOR 2023 - AAR2023-4.PDF](#)

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](#)

Waste Management

Prescription Drug Safety & Disposal

10 Points

 Bronze Priority  Silver Priority

Program Summary: All unneeded and expired prescription and over the counter drugs can now be disposed of in Glen Rock at two permanent sites. Permanent prescription disposal collection sites are available in Glen Rock at two locations: The Rock Ridge Pharmacy, located at 191 Rock Rd, Glen Rock, NJ, and CVS Pharmacy, located at 175 Rock Road, Glen Rock, NJ. Both of these are located in the central business district of Glen Rock. 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, although privacy considerations are strictly maintained. 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. These sites were also publicized at a public lecture and info-session held at the Glen Rock Library on January 22, 2024. The Glen Rock website contains information about the drop-off sites in a permanent posting at <https://glenrocknj.net/environmental-page-list/303-medication-disposal> Collections at both sites are sent to outside vendors for disposal. Due to concerns regarding privacy and personnel safety the collected prescriptions are not handled by store personnel. Instead, cardboard cartons are placed inside the metal collection boxes and, when filled, are sealed and shipped to the disposal vendors. Fresh empty cartons are then placed inside the metal collection receptacles. The receptacle at CVS has a collection volume of approximately 9.9 cubic feet. It fills and is collected approximately monthly in the three summer months and fills every two months at other times of the year, for an annual collection volume of approximately 74 cubic feet of collected prescriptions. For Rock Ridge the collection receptacle has a volume of approximately 6.2 cubic feet, with an annual prescription collection volume of approximately 46 cubic feet.

IMAGE: [ROCK_RIDGE_PHARMACY.JPG](#)

IMAGE: [CVS_PHARMACY.JPG](#)

PDF: [FLYER PRESCRIPTION COLLECTION & DISPOSAL FLYER.PDF](#)

PDF: [WEB_PAGE.PDF](#)

PDF: [FLYER DISTRIBUTION AT INFO-SESSION 1-22-2024.PDF](#)

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. "No Mow May" is a grass roots effort recognized by the Borough to help our pollinators and raise awareness of their importance for our environment. The goal of No Mow May is to let grass grow for the entire month of May, creating habitat and food sources for early season pollinators. The Glen Rock Environmental Commission (GREC), Shade Tree Advisory Committee (STAC) and the Arboretum, support this effort, and the Borough of Glen Rock and is participating by not performing municipal grass mowing in 4 areas: Demarest Park, The Glen Rock Arboretum, Dean Street Park, and a portion of Veteran's Park. Publicity for this activity was done through a news item in the weekly newsletter email sent to residents each Friday, called "Glen Rock's Weekly Update". See attached copy. 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, GREC invites naturalist/horticulturist Ms Elaine Silverstein, certified in Sustainable Landscape Management by the New York Botanical Garden and former 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), and has been distributed at public events, including the Earth Day celebration at the Glen Rock Arboretum on May 21, 2023.

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

PDF: [NO MOW MAY--GLEN ROCK'S WEEKLY UPDATE - APRIL 28, 2023.PDF](#)

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

PDF: [GREC WEB PAGE - LEAVES AND LAWNS.PDF](#)

PDF: [LINKED FROM GREC WEB PAGE---GRASS-CUT IT AND LEAVE IT--HANDOUT AT EVENTS.PDF](#)