



Sustainable Jersey Certification Report

This is the Sustainable Jersey Certification Report of Chatham Twp, a Sustainable Jersey bronze certified applicant.

Chatham Twp was certified on October 05, 2018 with 200 points. Listed below is information regarding Chatham Twp's Sustainable Jersey efforts and materials associated with the applicant's certified actions.

Contact Information

The designated Sustainable Jersey contact for Chatham Twp is:

Name:	MAUREEN KELLY
Title/Position:	CHATHAM TOWNSHIP GREEN TEAM CHAIR / CHATHAM TOWNSHIP GREEN TEAM
Address:	67 MOUNTAIN AVE, CHATHAM, NJ 07928 CHATHAM, NJ 07928
Phone:	908-868-5130

Actions Implemented

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

Animals in the Community

Pledge Supporting NJ Wildlife Action Plan

10 Points

Program Summary: On September 13, 2012 the Chatham Township Committee passed a resolution identical to the model resolution provided by Sustainable Jersey supporting the New Jersey Wildlife Action Plan (See File 1). The Township has always been sensitive to conserving wildlife, in part because a third of the town lies within the Great Swamp National Wildlife Refuge. All the goals and strategies of the Plan are commonsense items that can easily be incorporated into local work plans. In fact, most of the items are already routine in the Township. Lying in or close to the Great Swamp National Wildlife Refuge conservation goals are a way of life and are always considered by the Planning Board and Environmental Commission when reviewing applications and undertaking projects. The Department of Public Works is always responsive whenever an environmentally positive direction to help wildlife is suggested. The Green Team and other volunteers mentioned to the Township Committee that endorsing the Wildlife Action Plan would lend extra credibility to on-going and new conservation activities. The Committee agreed, and at a following meeting with little discussion passed the resolution. There was no comment from members of the public. Comments from the public later in the meeting on a current environmental issue seemed to indicate that people would have been in favor of stronger language than that in the Pledge. A memo has been circulated to Township staff, Boards (Planning and Zoning) and committees (Open Space Committee and Environmental Commission) and other volunteers (the Township has no Transportation Committee or Economic Development Committee) concerning incorporating the items in the resolution into their actions. The memo and a list of those receiving the memo are included in File 2.

PDF: [WILDLIFE ACTION PLEDGE RESOLUT](#)

PDF: [MEMO AND DISTRIBUTION LIST](#)

Community Partnership & Outreach

Create Green Team

10 Points

 Bronze Required

Program Summary: Program Summary Since its creation the Green Team has been very active. During the period from May 2017 to May 2018 it has met formally nine times. Early in that period the Green Team determined that it did not have enough resources to attempt to obtain silver level certification and determined to seek bronze level certification in 2018. Throughout the year it has been working on actions to complete that goal, (See File 2 for more details). In 2009 the Chatham Township Green Team was designated by resolution of the Township Committee to be comprised of the members of the Chatham Township Environmental Commission. In a January 2018 resolution the Chatham Township Committee affirmed the continuing validity of the 2009 resolution. Both resolutions are copied in File 1. Current Green Team members are listed in File 2.

PDF: [FILE 1 RESOLUTIONS](#)

PDF: [FILE 2 SUMMARY OF ACTIVITIES](#)

Community Education and Outreach

10 Points

Program Summary: Chatham Township initiated two community outreach and education programs in 2018 to date. First, an evening program held on February 24, 2018, in the community meeting room of the library on wildlife. This was in response to the many concerns expressed by residents regarding seeing various animals in their neighborhoods and wondering how to respond. Bears, foxes, coyotes, and deer were mentioned. Our speaker was from the Great Swamp Watershed Association. The program was well attended and received. Details attached. The second program was a seedling giveaway that was held April 28, 2018 at the Township recycling area. The seedlings were from a NJ State Forestry Program. We picked up the seedlings on Thursday, April 26 and placed them in compost provided and spread by our Department of Public Works in preparation for the event on Saturday, April 28. The event was promoted on the Township website and numerous social media. We had a huge turnout, gave away all the seedlings (and our unique seedling protective kits) and even closed the event early because we ran out of seedlings! We gathered the contact information and email addresses from over 100 participants. Details attached.

IMAGE: [SEEDLING PROMO SCREEN SHOT](#)

IMAGE: [PLANTING SEEDLINGS HANDOUT](#)

PDF: [WILD ANIMALS PROGRAM NOTES TO MAYOR AND PRESS](#)

IMAGE: [WILD ANIMALS PRESENTATION AT LIBRARY](#)

Hold a Green Fair

10 Points

Program Summary: The Green Fair of the Chatham is a partnership between the Environmental Commissions of Chatham Borough (CBEC) and Chatham Township (CTEC). Held on Saturday, September 9, 2017, from 9 am to 1 pm, the Green Fair was a "greener" green fair. The theme/goal was: 'Healthy Self-Healthy Earth'. Since the Green Fair took place on Borough property and funding was provided by sponsors and vendors, Chatham Township government did not have a large role. Chatham Township did agree to sponsor one entertainment vendor, "Big Jeff". Township media was used to publicize the Green Fair. The Township provided the "sandwich board" sign at the Farmer's Market reminding people of the Green Fair. Township Committee members were supportive and were present at the fair. Substantial volunteer effort for the fair was provided by Chatham Township Green Team members. File 4 includes the Participant Packet mailed to prospective Green Fair exhibitors. Reusable lawn signs were posted around Chatham Borough and Chatham Township advertising the event. Activities included the Rizzo Reptiles Discovery Show, yoga by Powerflow Yoga and music by "Big Jeff". The Library of the Chathams and the Public Arts Council provided creative "green" activities for children. Pictures of many of the exhibitors may be found in File 3. The Qualitative assessment is attached as File 2. Green Fair sponsors included St Barnabas Medical Center/RWJ Barnabas Health, JAG Physical Therapy, Solar City and Powerflow Yoga..

PDF: [GREEN FAIR RECAP](#)

PDF: [QUALITATIVE ASSESSMENT](#)

PDF: [PICTURES](#)

PDF: [VENDOR PACKET](#)

"Green" Your Green Fair

10 Points

Program Summary: The Annual Green Fair of the Chathams took place on Saturday, September 9, 2017 from 8 am to 1 pm. It was a success, with the highest attendance (estimated at 1500 fairgoers) of any Green Fair of the Chathams. The theme was "Healthy Self–Healthy Earth". The Green Fair of the Chathams is put on by a partnership between the Environmental Commissions of Chatham Borough (CBEC) and Township (CTEC) and the Mayors' Wellness Committee. Since the Green Fair took place on Borough property and funding was provided by sponsors and vendors, Chatham Township government did not have a large role. Township media was used to publicize the Green Fair and reusable signage was stored on Chatham Township property. Township Committee members were supportive and were present at the fair. A substantial portion of the volunteer effort was provided by Chatham Township Green Team members. The Green Fair of the Chathams was a greener Green Fair again in 2017. Measures for energy efficiency, waste reduction, support for local economies, and alternative transportation were successfully integrated into the Green Fair, enhancing the sustainability message of the event. More information about these measures is included in the Assessment Template (file 3). A few highlights: 1. All sponsors and participants received a registration/participant packet that included tips for Greening our Green Fair, including measures in all four of the above-noted areas. Sponsors and participants cooperated with the tips. The participant packet can be viewed in File 1. 2. The September, daytime schedule and outdoor location obviated any need for electricity, heating or cooling 3. No idling was evident at the Green Fair. 4. Waste was minimized through the use of visible and convenient recycling containers and a composter. 5. A green communications policy was maintained. 6. All communication with sponsors and participants was electronic. 7. Lawn signs advertising the Green Fair around town were reusable. 8. The central location next to the train station encouraged biking and walking was easily accessible by mass transit. 9. The overwhelming majority of vendors were local. 10. Free purified water was available to anyone with a reusable water bottle.

PDF: [VENDOR PACKET](#)

IMAGE: [GREEN HIGHLIGHTS](#)

PDF: [QUALITATIVE ASSESSMENT](#)

Community Gardens

10 Points

Program Summary: The Chatham Community Garden was formed in the summer of 2013 as a joint project of Chatham Borough and Chatham Township. During 2014, its first growing season, its title was the Joint Community Garden of the Chathams. As the 2015 season begins it is known as the Chatham Community Garden. Both municipal governments have actively supported the garden. In August 2013 the Chatham Township Committee approved a resolution to allow the joint garden installation at Woodland Park, which is primarily owned by Chatham Township (see copy of Resolution in File 2). Plots were offered to residents of both communities. Applications for the 2018 season were due by December 31, 2017 (a copy of the application and rules of the garden are in File 2). In 2017, Chatham Township DPW donated the labor to pave the access driveway, about 8 hours labor. The DPW continues to assist with maintenance of underground water pipes and delivers truckloads of woodchips as needed. The garden is managed by a committee with representatives from Chatham Township and Chatham Borough and each municipal governing body has assigned a liaison to the committee. The committee meets monthly to plan events, manage expenses, and clarify rules as necessary. Garden chores such as mowing and pollinator garden upkeep are assigned to ploholders. A major issue being addressed is securing the fencing to keep out animal pests. A subgroup is researching options to repair or replace fencing.

PDF: [2018 ANNUAL ALL GARDENERS MEETING NOTICE](#)

PDF: [FILE 2 UPDATED](#)

PDF: [COURIER NEWS ARTICLE, AUGUST 2017](#)

Innovation Projects

Raingardens

10 Points

Program Summary: Chatham Township Rain Garden/Habitat Action Summary 2005-2009 In Spring 2005, Girl and Boy Scout Troops planted native species in the forebay of the mowed turf retention basin at the K-3 Southern Boulevard School in Chatham Township in order to retrofit it into a native wildlife habitat and bio-filtration basin/rain garden. (See photo, "Scouts Plant Native Species." in File 1). The retrofit had the dual purpose of providing native wildlife habitat and storm water filtration that protects local drinking water. The basin empties through a storm sewer into a tributary of Black Brook, one of the feeder streams of the Great Swamp, which is headwaters to the Passaic River, which provides drinking water for Chatham Township through the NJ American Water Company. The rain garden/habitat is used as an outdoor environmental learning classroom for students of the School District of the Chathams and was started by the Parent Teacher Organization and the Chatham Township Environmental Commission. Funding of \$1,169 for plant material came from the U.S. Department of Agriculture's Natural Resource Conservation Service's (NRCS) Wildlife Habitat Incentive Program (WHIP). (See WHIP Approval document in File 2). Guidance on planting came from WHIP, Morris County Park Service, a specialist in bioretention at the Frelinghuysen Arboretum, and a local landscaper. Ideas about retrofitting a mowed turf retention basin into a bioretention basin came from the Association of NJ Environmental Commissions (ANJEC). The forebay and backbay of the basin is about the size of a football field and was built in 2001 to meet strict Chatham Township storm water requirements during the expansion of the school's parking lot. The native wildlife habitat/bioretention area is the forebay where water from the parking lot storm drains enter through a single pipe. (See "Storm Water Basin Fills in Big Storm." in File 1). The forebay is .1 acre and is a wetland on the bottom and has very dry, rocky soil on the slopes. An Eagle Scout built 2 benches and 3 educational signs in 2005. The content of the educational signs is changeable. (See photo of "Educational Sign" in File 1). Currently the wetland species, such as swamp milkweed, hibiscus, cat tails, summersweet and sedges are thriving, while the upland plants are browsed and sometimes destroyed by deer. In all but the driest months there is a small pond at the storm water entrance pipe of the forebay that is habitat for Green Frogs. In this parking lot runoff water swim invertebrates called Seed Shrimp and other water insects. Around the rain garden live a diversity of insects and small animals, most notably, monarch butterflies, rabbits, turkeys, hummingbirds. Educational Highlights in Rain Garden/Habitat: Information on the habitat/rain garden and instructions on how to make a rain garden are on the Chatham Township Website and the SBS Website Annual Earth Day Habitat/Rain Garden Walk and Scavenger Hunt, 2005-2009. (See "Habitat Script for Parents" attached as File 3) Annually, Scout troops learn about the rain garden/habitat and weed invasive species and mulch trails in Fall and Spring each year. (See "Scouts Go Wild" photo. in File 1) Sporadically, teachers take students to sit on benches and write or do art. Second Grade teachers raise butterflies and release them at the Rain Garden/Habitat. Pond Life Study, parent-led enrichment group (June 5, 2005) Girl Scout wildlife study and photography session Aug 6, 2007 Workshop for Girl Scouts about invasive vs. native plants May 3, 2008. Signage in Habitat/Rain Garden: 3 Educational signs on function of the rain garden basin and habitat. 1 Sign outside that says Natural Wildlife Habitat visible from parking lot. 1 Sign on gate that says Certified Schoolyard Wildlife Habitat by National Wildlife Federation. New Activities Planned for 2009/10 in addition to Ongoing Annual Events: School District Repaired gaps in fence in June 2009 and already there is less deer damage. Scouts make more stepping stones. Master Gardeners help Kindergarten start a daffodil bowl in Back Bay of mowed retention basin.

Land Use & Transportation

Sustainable Land Use Pledge

10 Points

 Bronze Priority  Silver Priority

Program Summary: Program Summary: Chatham Township's Sustainable Land Use Pledge resolution was adopted at the Township Committee meeting on July 9, 2009 (File 1 includes a copy of that resolution). The resolution was formally distributed to the Planning Board, Zoning Board and Environmental Commission on July 10, 2009 (File 2 includes a copy of that memo). On June 28, 2012 the Township Committee passed a resolution affirming continuing support of Chatham Township's Sustainable Land Use Pledge (Copy included in File 1). That resolution was also distributed to the Planning Board, Zoning Board and Environmental Commission (Copy included in File 2). On February 8, 2018 the Township Committee passed a resolution affirming continuing support of Chatham Township's Sustainable Land Use Pledge (Copy included in File 1). That resolution was also distributed to the Planning Board, Zoning Board and Environmental Commission (Copy included in File 2). The process for approving a Sustainable Land Use Pledge began at the start of June 2009, when Township Green Team recommended to the Chatham Township Committee that a resolution based on the model pledge be adopted. The Township Committee began discussion of the amended model land use pledge at its meeting on June 11th. To obtain maximum input it was determined that the pledge should be presented to the Planning Board for its comments and that the resolution should be processed in the same manner as an ordinance (i.e. introduced at one meeting with a public hearing and adopted at a subsequent meeting). Copies of the proposed pledge resolution were made available at the municipal building, the Library of the Chathams and on the Chatham Township website. In addition the local press was informed and several articles followed. The sustainable land use pledge resolution was introduced and a public hearing was opened at the June 25th Township Committee meeting. After review by the Township Attorney the resolution was adopted on July 9 2012. File 3 contains documents related to the 2009 process of approving the sustainable land use pledge resolution.

PDF: [FILE 1 SUST LAND USE PLEDGE RESOLUTIONS](#)

PDF: [FILE 2 DISTRIBUTION MEMOS](#)

PDF: [FILE 3 PLEDGE PROC DOCS](#)

Natural Resources

Natural Resource Inventory

20 Points

 Bronze Priority  Silver Priority

Program Summary: The Chatham Township 2013 NRI was carried out by volunteer members of the Environmental Commission in consultation with the Township engineer, John Ruschke of Hatch, Mott, MacDonald, and the Township planner, Frank Banisch of Banisch Associates. The 2013 NRI is an update of the 1999-2005 NRI with new and revised content and maps. The 1999 NRI, prepared by volunteers, was based on the first Township NRI, done in 1974 also by volunteers. The NRIs of 1974, 1999 and 2013 are available on the Chatham Township Environmental Commission web page (<http://www.chathamtownship-nj.gov/CTEC/index.html>). The 2013 NRI is intended to be viewed on line. However for SJ review purposes a pdf copy of the 2013 NRI is being submitted in three sections as files 2, 3 and 4 (Note that the chapter links in File 2 work only in the on line version). File 1 summarizes what has been updated in the 2013 NRI. File 5 documents the incorporation of the 2013 NRI into the Master Plan. The NRI update policy is found in File 6. The two main environmental changes in Chatham Township between 1999 and 2013, and described in the 2013 NRI, were - the redevelopment and infill of parcels and small subdivisions, with many modest houses being demolished and replaced with bigger homes ("McMansions"), and - the preservation of large tracts of open space. Other significant environmental events in the period included the adoption of strict storm water control regulations and the requirement by the New Jersey Department of Environmental Protection that its conservation easements on wetlands and wetland transition areas be recorded in the office of the Morris County Clerk. The 2013 Natural Resources Inventory incorporates information on all these items. References within the chapters show that the 2013 NRI was updated within the past ten years.

PDF: [FILE 1 UPDATE SUMMARY](#)

PDF: [FILE 2 CT NRI SECT. 1](#)

PDF: [FILE 3 CT NRI SECT. 2](#)

PDF: [FILE 4 CT NRI SECT. 3 MAPS](#)

PDF: [FILE 5 PBRDRES NRI TO MPLAN](#)

PDF: [FILE 6 CT NRI UPDATE POLICY](#)

Environmental Commission

10 Points

Program Summary: Chatham Township has had an environmental commission since the early 1970s. A copy of the ordinance as amended is being submitted as File 1. File 2 contains a copy of our most recent annual report (2017), which lists our activities for that year, and is submitted to demonstrate that we are an active environmental commission.

PDF: [ENVIRONMENTAL COMMISSION DOCUMENTATION](#)

PDF: [ENVIRONMENTAL COMMISSION DOCUMENTATION](#)

Environmental Commission Site Plan Review

10 Points

Program Summary: Program Summary Since the Chatham Township Environmental Commission was established by Township ordinance in 1968 the Commission has made its primary task the review of development applications as well as permit applications to the NJDEP. The EC has prepared and regularly updated a Natural Resource Inventory so all application documents are made available to the Commission. Each application is reviewed by the Development Subcommittee and comment memos are prepared for those with significant environmental features. Planning Board and Board of Adjustment site visits are attended by EC members and EC Associates who take photos and record their observations. EC members and Associates also attend Board and town Council meetings and comment in person as necessary. The Commission follows the ANJEC guidelines found in "Site Plan/Subdivision Review Environmental Analysis" (<http://www.anjec.org/pdfs/SitePlanReview10.pdf>) for the preparation of memos. Among the items mentioned in a Findings of Fact and Recommendations report are: Commission's sources of information including the commission site inspection report, plans and materials reviewed, and the engineer's reports; Mention of any conservation easement on the property; Current site description; Historical uses including possible underground storage tanks and pesticide residue from farming operations; Current surrounding local conditions (distances to the Great Swamp National Wildlife Refuge, the Loantaka County park, C1 streams); Current regional conditions; Conditions on and off site during construction, especially for steep slopes; Conditions following occupancy, noting violation of any conservation easement and disturbance of slopes and wetlands; Applicable Township ordinances and NJDEP permit requirements; Permits required from other agencies such as the Morris County Soil Conservation District. The report is sent to the relevant Board, to the NJDEP in the case of wetlands or habitat issues, and to the County when legal violations are uncovered. Oversight of development applications has prevented many problems and is well worth the effort.

PDF: [FILE 1 ETEC DEV. APP REVIEWS](#)

PDF: [FILE 2 CTEC ONEPROJECT REVIEW](#)

Open Space Plans

10 Points

Program Summary: The Chatham Township Open Space Plan was updated by the Open Space Committee in 2010 and approved by the Planning Board at its meetings on December 6, 2010 and January 11, 2011 (Minutes of those meetings are attached File 3). The original plan was written in 1998. The updated plan reflects recent acquisitions and includes the Sustainable Jersey requirements. Updates were made to reflect the changes in land acquisitions made by public entities. The public entities include Chatham Township, Morris County, and the US Department of Interior/US Fish and Wildlife. Hatch Mott McDonald provided the Open Space Committee with a new Open Space map and also provided the total acreage in ownership by the various public entities. Some of the previous section titles were changed to more closely tie them with Sustainable Jersey's listing of sections. The updated Open Space Plan is attached as File 3. No entry is made to File 2 since a Master Plan re-examination report does not apply.

PDF: [CHATHAM TOWNSHIP OPEN SPACE PL](#)

PDF: [PLAN. BD. MINUTES \(DEC 10, 201](#)

Easement Inventory and Outreach

10 Points

Program Summary: In year 2000 the Chatham Township Environmental Commission began a project to inventory and monitor all the conservation easements in the Township, either held by the Township, the New Jersey Department of Environmental Protection or others. Using funds from several grants and relying heavily on volunteers an initial inventory was produced, a map and brochure were prepared and an on-the-ground assessment of all the easements was performed. Documentation on each easement including deeds, maps, Planning Board and Board of Adjustment resolutions, Township resolutions accepting conservation easements, copies of NJDEP documents, and monitoring reports are filed together in the Township municipal building. The inventory and map are updated on a continuing basis as new easements are acquired. Informal monitoring occurs when issues come to light, in which case memos are sent to the appropriate organization. When a property with a conservation easement changes hands the Commission sends a notification letter to the new owner. The Municipal Conservation Easement Stewardship Program Plan Worksheet for Chatham Township is attached as File 1. File 2 contains the CT easement brochure. The CT Municipal Easement Inventory database is submitted as File 3 and the easement map is included as File 4.

WORD: [FILE 1 CONSERV. EASEMNT STWRDSHIP WORKSHEET](#)

PDF: [FILE 2 CT EASEMENT BROCHURE](#)

PDF: [FILE 3 CT MUN. EASEMNT INVEN. D. BASE](#)

PDF: [FILE 4 CT EASEMENTS MAP](#)

Tree Protection Ordinance

10 Points

Program Summary: The Township of Chatham has a tree protection ordinance (#), which was passed in 2008. The ordinance establishes a tree density requirement for each property in the community. A copy of the ordinance is attached as File 1. Attached as File 2 is copy of the Chatham Township Tree Removal Permit Application, which demonstrates how the ordinance is implemented.

PDF: [FILE 1 CT TREE PROTECTION ORDINANCE](#)

PDF: [FILE 2 CT TREE REMOVAL PERMIT APPLICATION](#)

Sustainability & Climate Planning

Municipal Carbon Footprint

10 Points

 Bronze Priority  Silver Priority

Program Summary: Program Summary Chatham Township established 2017 as the Baseline year for this Municipal Carbon Footprint action. Previous emissions inventories have been completed for baseline years 2006, 2008 and 2011 but a 2017 municipal carbon footprint has been calculated and is being submitted in order to complement the 2017 Community Carbon Footprint. Stationary combustion of fuels by Chatham Township was limited to natural gas combustion. Therm usage for each month for each meter at all municipal locations was obtained by the Green Team from PSE&G bills and entered on the Municipal Carbon Footprint tool (MCFT) provided by Sustainable Jersey. Annual usage was calculated, divided into four categories of municipal operations (Building & Facilities; Street Lights & Traffic Signals; Water & Wastewater Treatment Facilities; and Other) and entered on the MCFT. Chatham Township's monthly kilowatt-hours of electricity consumption for each municipal meter or billing account number was obtained by the Green Team from JCP&L bills and entered on the MCFT. Annual usage was calculated and divided into four categories of municipal operations (Building & Facilities; Street Lights & Traffic Signals; Water & Wastewater Treatment Facilities; and Other) and entered on the MCFT. Chatham Township maintains computerized records of the fuel usage of each vehicle in its fleet. Annual fuel consumption of the fleet during 2017 in gallons was obtained from those records and entered on the MCFT. Annual mileage of each vehicle was recorded, summed by type and entered on the MCFT. Emissions were calculated by the MCFT. An additional and difficult addition to MCF was the requirement to include emissions from waste related activities; the methodology for that process is described in File 2. There were no Significant Purchased Services for Chatham in 2017. The completed MCFT is attached as File 1 and submitted as the Municipal Carbon Footprint of Chatham Township for Baseline year 2017.

EXCEL: [FILE 1 CT MUN CARB FPRINT CALCULATOR 2017](#)

PDF: [FILE2 WASTERELATEDEMISSIONSCALCS](#)

Community Carbon Footprint

10 Points

Program Summary: In May Chatham Township completed a a Municipal Carbon Footprint Calculator (MCFC) using 2017 data. A copy of that MCFC is is made part of this submission as File 3. We are now submitting a Community Carbon Footprint Calculator (CCFC)for the base year 2017. We have inserted MCFC data into the appropriate places in the CCFC calculator. We obtained JCP&L electricity useage data and PSE&G natural gas useage from SustainableJersey and entered both into the CCFC. See File 1 for supporting documents for PSE&G, JCP&L and US Census data. The requirement to calculate vehicle emissions for the community at large was difficult for us. We did not find a good source for vehicle miles travelled. Our process is described in File 4. The 2017 total emissions shown in the Chatham Township CCFC is 116,791.5 (See File 2). The CCF will help Chatham Township to inform our community of the need to reduce energy usage and greenhouse gas emissions.

PDF: [FILE 1 CT INFORMATION SOURCES](#)

EXCEL: [FILE 2 CT COMMUNITY CARBON FOOTPRINT CALCULATOR](#)

EXCEL: [FILE 3 CT MUNICIPAL CARBON FOOTPRINT CALCULATOR](#)

PDF: [FILE 4 RESIDENTIAL VEHICLE EMISSIONS CALCULATIONS](#)

Waste Management

Prescription Drug Safety and Disposal

10 Points

 Bronze Priority  Silver Priority

Program Summary: The Chatham Township Drug Take-back Program was organized and implemented by the Chatham Township Police Department in September 2014. A medication drop box was installed in the lobby of the Police Department. The Medicine drop Box is an initiative of Morris County Prevention is Key (MCPIK). The Police Department collaborated with the Morris County Prosecutor's Office (MCPO), the Morris County Sheriff's Department (MCSD) and Community Coalition for a Safe & Healthy Morris to develop this project. After submitting a Standard Operating Procedure to the MCPO, the Police Department ordered the Medicine Drop Box, which was permanently secured to the Police Department lobby floor. To secure dual control separate locks were placed on the box by officers of the MCSD and the Police Department. The box is under constant camera surveillance. The Drop Box is available 24/7 365, although residents are encouraged to use the service when the lobby is open. The MCSD collects the Drop Box contents periodically and arranges for safe incineration. The availability and importance of the Drug Take-back Program was publicized widely at the initiation of the program and it has continued to be publicized on Chatham Township websites, flyers and county and state media. The rate of participation is now more than two and a half times what it was in 2015. Details of the program, public exposure and success of the effort can be found in File 1. File 1 also contains a sample of the Community Coalition for a Safe & Healthy Morris county wide app that can search and locate the CT Drop Box location. File 1 also contains a sample of the Community Coalition for a Safe & Healthy Morris county wide app that can search and locate the CT Drop Box location. Collection estimates are also discussed at the start of File 1. Photos of the Drop Off area may be found in File 2. In addition CT police participated in national Drug Take-Back day on 4/28/18 as shown in picture file.

PDF: [FILE 1 DRUG TAKE-BACK DRUG PROG. DETAILS](#)

PDF: [FILE 2 DRUG TAKE-BACK LOCATION PHOTOS](#)

IMAGE: [DRUG TAKEBACK FLYER FOR APRIL 28, 2018](#)

Recycling Depot

10 Points

Program Summary: Chatham Township has established a Recycling Depot. The Chatham Township Recycling Depot is located at the foot of Tanglewood Lane and provides a place for residents to drop off a variety of items listed File 1. The number of accepted items increased significantly with the start of Single-Stream Recycling in August 2011. The Recycling Depot underwent a major modification to accommodate this new method. Large bins were placed on either side of a walkway and all recyclable items were mixed in the bins. This method was in place until late 2017 but snowfall made some of the cardboard items unacceptable. In 2017 Morris County Municipal Utilities provided a trash compactor, which now keeps recycled items protected from the elements. Pictures of the Recycling Depot taken during 2017/18 (including photo of the location sign) are attached as File 3. File 2 contains the 2018 recycle brochure mailed to all residents; the brochure provides information about curbside recycling as well as the location and hours of the Chatham Township Recycling Depot. The same information is provided on the Recycling page of the Chatham Township website. There are signs on the streets pointing residents to the Depot. Hours of operation at the Recycling Depot are: Tuesdays from 8:30 am - 11:30 am and Saturdays from 8:00 am - 12 noon.

PDF: [FILE 1 ACCEPTED ITEMS](#)

PDF: [FILE 2 INFORMATIONAL MATERIAL](#)

PDF: [FILE 3 PHOTO SECTION](#)

Materials Reuse Program

10 Points

Program Summary: CHATHAM TOWNSHIP'S MATERIALS REUSE PROGRAM An annual community event in Chatham is the highly anticipated Friends of the Library Book Sale, held each March. Residents are encouraged to donate their books by dropping them off for the sale, instead of recycling them in their weekly curbside single stream recycling collection. CDs and DVDs are also donated. This community event is spearheaded by the nonprofit Friends of the Library and proceeds are presented to the Library of the Chathams to support Library functions that are not covered in the annual budget. Support from the municipality comes from use of the Library's lower level, where the books are collected, stored and sorted prior to the week-long sale, a process that starts in September of the previous year! The sale is promoted by the municipality in the Township website, space on the lobby bulletin board, at the Sustainability Fair (hosted by the Chatham Borough Farmers' Market), through the farmers' market newsletter. Sale patrons can spend hours wandering through the multiple rooms of books. After the sale period ends, unsold items are offered free of charge to anyone who wishes to take them. Following "Free Books" week, the remaining books are sorted again to be picked up by multiple charities. Once all options are exhausted, leftover books are disposed of by either recycling or dumpster (for covers removed from hardcover books). In 2017, volunteers collected and sorted over 30,000 donations. Friends of the Library gifted over \$26,000 to the Library of the Chathams following the book sale, and it is estimated that at least 10 tons of books, CDs and DVDs were recycled back into households, schools and charitable organizations. In 2018, volunteers collected and sorted nearly 40,000 contributions and the largest gift to date was presented to the Library - over \$28,000! Remaining book donations were placed in care packages for our troops stationed overseas, and also sent to Taiwan and Malawi for distribution to schools, libraries, shops and reading booths. Through these actions, an estimated 13 tons of contributions were reused by patrons and charities.

PDF: [BOOKS FOR TAIWAN THANK YOU](#)

IMAGE: [CHATHAM TOWNSHIP GOVERNMENT SUPPORT LETTER](#)