



Sustainable Jersey Community Certification Report

This is the Sustainable Jersey Certification Report of GREENWICH TWP, a Sustainable Jersey bronze certified municipality.

GREENWICH TWP was certified on July 05, 2012 with 150 points. Listed below is information regarding GREENWICH TWP's Sustainable Jersey efforts and materials associated with the municipality's certified actions.

Contact Information

The designated Sustainable Jersey contact for GREENWICH TWP is:

Name: Trudy Hansen

Title/Position: Municipal Designee

Department: Greenwich Township

Sustainability Actions Implemented

Each approved action and supporting documentation for which GREENWICH TWP was approved for in 2012 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.

Sustainability Planning

Community Visioning **10 Points**

Program Summary:

As an initial step in the development of a Greenwich Sustainability Plan, the Green Team and Township officials explored community visioning models for soliciting community input and identifying key issues vital to building a sustainable future. Note: The Green Team is simultaneously working on community asset mapping, and the combination of these actions and continued community input will help support sustainability plan development. Research in 2010 and 2011 led to discussions with UPenn/School of Design professor Randall Mason, who was enthusiastic about developing a graduate studio course to assist Township officials and residents in developing a values-based visioning process. During the late summer and fall of 2011, residents provided orientations and the group identified student research projects dealing with key community issues. The student/township team also worked to survey a diverse cross-section of the community in both structured and informal settings that were facilitated by Green Team and community members. Three meetings, including a joint public meeting of the Planning Board and Environmental Commission, were held to invite community participation and input. Dr. Mason and students presented the project and sought additional feedback; follow-up review was solicited from county planners, non-profit conservation professionals, preservationists, historians and others. In December 2011, the students delivered a final presentation that gave the Township a comprehensive look at current challenges, options for the future, possible next steps and resources to utilize in making planning decisions. After additional discussion, a working set of visioning goals was created that summarizes basic conclusions from the report. This Vision Statement was approved by the Sustainable Greenwich Green Team at their monthly meeting on April 24, 2012 (copy enclosed in process description). The 118-page PowerPoint presentation has been distributed widely for additional review by the Planning Board and other Boards, Commissions and Committees. A memo from Greenwich Mayor Ted Kiefer documents Township

Committee support for the Vision Statement and requests that part-time municipal staff, elected and appointed officials and community residents incorporate elements of the Vision Statement in Township planning activities and actions including future development of a full Sustainability Plan. Individual UPenn students continue to assist with Community Asset Mapping and additional UPenn collaborations that will further the community visioning process goals are being discussed for 2013.

 [Documentation: Visioning Proce](#)

 [Sample Visioning Report Pages](#)

 [Com. Visioning Endorsement and](#)

Farmland Preservation

Farmland Preservation Plans **10 Points**

Program Summary:

Farmland Preservation Plan: Greenwich Township, Cumberland County 2012 The Farmland Preservation Plan for the County of Cumberland was completed in December 2009 and approved by the NJ State Agriculture Development Committee in March 2010 (see link below). The plan includes a Greenwich Project Area which incorporates the entirety of the Township except for the marshy bayshore area (mainly in wetlands preservation). The planning process included extensive involvement of the Greenwich Township Planning Board, which played a direct role in determining the boundaries of the project area and the specific farms to be targeted therein. The plan undergoes annual updating, and the Planning Board remains involved in the process annually. Currently, Matthew Pisarski, the Principal Planner at the County level who implements the Farmland Preservation Plan and Program, serves on the Sustainable Greenwich Committee. Since the plan breaks out most data by project area, Greenwich Township benefits by having a project area exclusively within its boundaries, since the project area data is applicable to the municipality as a whole. Cumberland County conducts its Farmland Preservation Program by deferring in all cases to the interests of individual municipalities in the planning phase and in the selection of individual farms to be preserved. Consequently, Greenwich Township determines the activity within the Greenwich Project Area. Between 6/2010 and 6/2011, two Township farms were permanently preserved adding 117 acres to the preserved farmland tally. Within the past 11 months, Greenwich Township has approved an additional 556 acres for preservation. As of 5/1/12, the program remains very active; an update to the Farmland Preservation Plan is scheduled for September 2012. The full plan for Cumberland

County can be found on the NJ State Ag Development Committee website at:
<http://www.nj.gov/agriculture/sadc/home/genpub/Cumberland%20Co%20FPP%20121-09.pdf>.

 [Greenwich/Cumberland County Fa](#)

 [Map: 2009 Greenwich Farmland P](#)

Recycling

Recycling Depot **10 Points**

Program Summary:

The Hopewell/Greenwich Township Convenience Center on Trench Road in Hopewell Township, Cumberland County, has been in shared-service operation since 1987 and trash separation and recycling efforts actively began in 1990. The recycling depot is owned and operated jointly by Greenwich Township and neighboring Hopewell Township. The site is located on Hopewell Township property within 1/10th of a mile of the Hopewell/Greenwich border. The site is inspected by the Cumberland County Improvement Authority which has been recognized as the #1 Recycling County in NJ(2009 NJDEP statistics calculated Cumberland County's recycling rate at 59.5% for municipal solid waste and at 68.8% total waste stream). The Townships also contract with the CCIA and C&H Transportation Services to service the containers. Greenwich receives proportionate annual revenue for 25% of recycled tonnage (Township pop.of 804). Township operating expenses for the Center, including the same proportion of wages and benefits for part-time recycling depot employees, are documented in annual Greenwich Township budgets that are available on the Township website at www.historicgreenwichnj.org. The Center is designated a Universal Waste Depot and a wide variety of materials are recycled by residents year-round. The recycling depot is open to the public on Wednesday and Saturday from 8:00 a.m. to 5:00 p.m. The Center is fenced and secured. While part-time staff is on duty to help with questions and maintenance of the site, it is the responsibility of residents to obtain annual identification tags and recycling containers (free) and to drop off materials for recycling responsibly. There is a Convenience Center page on the Greenwich website that provides information and rules for recycling (<http://www.historicgreenwichnj.org/convenience-center.html>). Greenwich Township works with CCIA Recycling Director Dennis DeMatte to expand recycling programs and communicate changes and improvements to residents. A volunteer local Recycling Coordinator, Alexis Seeley, attends monthly meetings at the CCIA offices in Millville and works to promote recycling. She is especially active at the Morris Goodwin School, the

only school in the Township, which in 2011 became the first school in the County to recycle all milk and other beverage cartons. She coordinates school participation in the CCIA annual Enviro Fair for Cumberland County schools and promotes family attendance at the annual EcoFair held at WheatonArts in Millville. As an essential shared-service agreement, the Township Committee and Environmental Commission members work to make Greenwich residents appreciate the fact that a proactive recycling program benefits both the environment and the Township budget.

 [Recycled Materials List 2010-2](#)

 [Informational Materials](#)

 [Recycling Depot Photos](#)

Community Partnership & Outreach

Create Green Team **10 Points** **Bronze Mandatory** **Silver Mandatory**

Program Summary:

The Sustainable Greenwich team was formed early in 2010 and formally appointed by the Greenwich Township Committee, Cumberland County, on May 11, 2010. Required documents for this action are attached. Annual reports of the activities of the Green Team were filed with the Township Committee at the end of 2010 and 2011. Resolutions appointing the Sustainable Greenwich Team have been passed at annual Reorganization meetings in January 2011 and January 2012. The Municipal designee for Sustainable Greenwich attends Township meetings and Environmental Commission meetings to give updates on progress on Sustainable Jersey actions and discuss upcoming activities.

 [Resolution Forming Green Team](#)

 [Green Team 2010 and 2011 Summa](#)

 [2012 Green Team Reappointment](#)

Community Education and Outreach **10 Points**

Program Summary:

The most important ongoing Community Education and Outreach activity since forming Sustainable Greenwich has been the creation of a Township website (www.historicgreenwichnj.org). This project was a high priority for the Township and development drew upon the experience of the Green Team and a number of community members. The initial goal was to create an official Township site to

serve both civic and community purposes. The site launched in March 2011 and a press release was issued and the site was linked to State, County and other websites. Growth of the site will be ongoing; expansion of the Sustainable Greenwich section is planned for 2012 with details about the Green Team's certification actions, additional clean energy program information and much more. With no public works staff, our small community (pop. 800) is one that gathers regularly to "get the jobs done." One of the best ways for the Green Team to engage and educate individuals has been in organizing and promoting community litter patrols, the annual County Trash Hunt of public lands, garden activities and other projects (6 in 2011, 4 to date in 2012). In January 2011, the team organized and publicized a special Township Meeting to help inform residents of preservation activities in the Township that will hopefully lead to the preservation of a 400-acre former GSA camp. Other educational activities have included a Sustainable Greenwich/Environmental Commission Information Booth at the annual Artisan's Faire, September 2010 and 2011. The event, held at the County Historical Society/Gibbon House Museum, provides the best opportunities for sharing information on a broad local level. In our small town/rural community, a long-standing event such as the Faire draws most of the Township as either volunteer participants or visitors. Combined with out-of-town visitors, the event averages approximately 1,500 in attendance. The Green Team distributed Sustainable Jersey brochures, discussed the program, recruited volunteers, offered handouts on environmental, energy efficiency projects and stormwater runoff management and discussed other Sustainable Jersey actions in progress.

 [Outreach and Education Documen](#)

Natural Resources

Environmental Commission **10 Points**

Program Summary:

The Greenwich Township Environmental Commission was originally established in 1990 and formally re-established by Ordinance 3-11 in 2011. It has been an active participant in local matters regarding the impact of government regulations and development within the Township for twenty-one years. The commission meets regularly and consults with the Township Committee, Planning Board, Zoning Board and other organizations regarding the environmental impact of issues and actions under consideration by the Township. The Commission's new Environmental Resources Inventory (NRI) is being incorporated into the Township's Master Plan, which is due to be re-examined in 2016. The Commission also engages the public on outreach events

and coordinates with the Sustainable Greenwich Green Team. Outreach activities include roadside clean-ups, participation in county-wide clean-up of publicly-owned protected lands, organizing and or publicizing public meetings regarding issues of environmental importance and staffing an informational booth with Sustainable Greenwich during the Township's major annual event (a 2-day Craft Faire held in Greenwich in September). The Environmental Commission actively engages neighboring municipalities and works closely with County authorities to develop and coordinate environmental policy in Cumberland County. Members of the Commission regularly attend workshops, seminars and meetings and participate in the Upper Cohansey River Watershed Task Force and other forums. Most recently, the EC partnered with Sustainable Greenwich and national and state partners to undertake a pilot study (2011) to develop and test a coastal community vulnerability and assessment tool that can be adapted by other Delaware Bay towns as we prepare for changing weather, sea level rise and other effects of global warming. The Commission is currently engaged on developing a Township Open Space Plan. Details of the ECs responsibilities, members, and activities are listed in the 2011 Annual Report(attached below).

 [Environmental Commission Ordin](#)

 [2011 EC Annual Report](#)

Natural Resource Inventory 20 Points Bronze Priority Silver Priority

Program Summary:

The Greenwich Environmental Commission received an ANJEC Smart Growth grant to undertake an Environmental Resources Inventory in 2009, working with the consulting assistance of the Delaware Valley Regional Planning Commission (www.dvrpc.org). EC members and DRVPC met to organize the project (grant agreement attached) and during 2009-2010, the inventory was completed. Ms. Alison Hastings (PP/AICP), Senior Environmental Planner for DVRPC, collaborated closely with the Environmental Commission and made a project presentation at a regularly scheduled public meeting of the Township Committee in February 2010. The Final ERI Report was published in June 2010. Abstract: The Greenwich Environmental Resource Inventory documents the natural and community resources of Greenwich Township, Cumberland County, New Jersey. The natural resource information includes descriptions, tables and maps of: land use; soils; drinking water, aquifers and wells; surface waters, including watersheds, streams, lakes, wetlands and floodplains; impacts on water resources and surface water quality; impervious coverage; vegetation including wetlands, forests and grasslands; animal communities; threatened and endangered

species; National Heritage Priority Sites; Landscape Project Priority Habitats and known contaminated sites. Community resources that are briefly described include population, transportation, township utilities and services, historic buildings and protected open space. A short history of Greenwich is also included. Upon adoption of the ERI by the Planning Board (February 2010), the EC moved to institute an annual review and maintain a folder (EC Secretary) for the purpose of re-examining the document after 5 years. This re-examination will thus be completed one year before the Township Planning Board undertakes a 5-year re-examination of the Township Master Plan in 2016. The first ERI review took place on May 4, 2011 (meeting minutes uploaded). Due to size, only the main text section of the ERI has been uploaded. The full report, including maps and appendices, is available on the Township website (www.historicgreenwichnj.org).

 [Greenwich ERI 2010 TEXT only](#)

 [ERI Adoption, Distribution, Do](#)

 [Envir. Com. Mtg. Minutes May 4](#)

Energy Audits for Municipal Facilities

Inventory and Upgrade All Buildings

50 Points

Bronze Priority

Silver Priority

Program Summary:

The Sustainable Greenwich team and Greenwich Township Committee began work on energy audits for the Township's four municipal buildings in August 2010. Previous-year electric and heating bills for the audit were gathered and a Green Team member (M. Showers) attended workshops to become familiar with the energy audit process and the NJ Office of Clean Energy Direct Install Program. The Township obtained a DUNS# and CCR registration. Working with South Jersey Industries (R. Senski, SJ Energy Service Plus), energy audits were performed in the fall of 2010. Energy Efficiency and Conservation Block Grant Application Forms were submitted on December 23, 2010 for each building for various lighting and heating system improvements under the Direct Install Program. Energy Assessment Tool worksheets detailing the scope of work for each building were completed with the assistance of TRC Energy Services. Since all four municipal buildings are located in the Greenwich Historic District (National and State designations), the Township submitted a Request for Project Authorization for the four municipal buildings to the NJ State Historic Preservation Office in December 2010. Permission to make energy upgrades was granted (final determination letter sent to Mayor T. Kiefer by D. Saunders of

NJSHPO dated 1/11/2011). Agreements to perform work detailed in the Energy Assessment Tool were completed and improvements began on May 2, 2011. Two heater replacements were made in the Fire Hall and lighting upgrades were made in May and in June for all of the four municipal buildings. All work has been completed as per the agreements. Replacement of two aging, inefficient heaters were made in the Fire Hall (\$14,752.78) and incandescent and fluorescent lighting was upgraded in all buildings (\$23,985.53). Documentary photos available on request; the Township Clerk and Green Team will track and report energy savings during the coming year.

 [Greenwich EECBG Building Inven](#)

 [Greenwich Building Photos](#)

 [EECBG, NJSHPO, Energy Assessme](#)

Food Production

Community or School Gardens **10 Points**

Program Summary:

Sustainable Greenwich, the Greenwich Environmental Commission and community and local government partners transformed a corner lot in the heart of the Greenwich Historic District into an evolving community garden that will greatly enhance the space, serve as a gathering place for residents and visitors, feature low-maintenance/drought resistant native plants, trees and shrubs, and provide an outdoor venue/classroom for presenting sustainable gardening workshops and bring students to learn about native plants and Native American culture as they visit the Prehistoric Museum that shares the site. Cumberland County (the site is county-owned) and the Greenwich Township Committee are supportive of the project; the Township has provided monetary support and township officials including the mayor, committeemen, GEC, Shade Tree Commission, etc. have been involved in the garden planning/execution. As of April 2012, walkways have been created, larger trees and shrubs plantings have taken place and areas are prepped for planting the first round of native plants this spring. A Community Garden section has been added to the Township website and a brochure and educational materials are being designed. The brochure, also to be posted on the website, will be available at the Prehistoric Museum and other County museums. Several local Girl Scouts are helping with the garden; it is planned that they may serve as garden guides for their classmates. The garden team is working with the local elementary school to adapt activities and curriculum-based lessons in several disciplines. Project expenses, not including volunteer labor, are estimated at \$10,150; the Township

Committee allocated monies from its Garden Fund and helped solicit donations and in-kind gifts of services and supplies. Additional funding for garden development, maintenance and the production of interpretive and educational materials will be secured from grants (Master Gardeners, business donations, etc.), the Township Garden Fund, fundraisers and ongoing in-kind solicitations.

 [Qualitative Assessment documen](#)

 [Community Garden Update 2012](#)

Innovative Demonstration Projects

Other **10 Points**

Program Summary:

Coastal Community Pilot Project: Greenwich's future is dependent on the Cohansey River watershed and the Delaware Bay wetlands that surround the Township. Threats relating to failing levees, water rise, flooding and water supply/quality are fundamental community concerns. In the summer of 2010, Greenwich became one of 3 sites for a Coastal Community Vulnerability & Resilience Pilot project developed by the NJ Coastal Management Program. The project goal was to start a dialogue among various decision-makers and encourage creative thinking/collaboration on ways for the community to become more resilient for existing and future generations. Over eleven months, a team led by Sustainable Greenwich and including members of the Township Committee, Planning Board, Zoning Board, OEM, Volunteer Fire Department, Environmental Commission, County Planning and others worked with NOAA Fellow Leigh Wood and NJCMO to discuss community issues and identify highly vulnerable sites in several categories. Municipal planning documents were shared, LIDAR-based mapping projections were generated and participants addressed a series of questions related to Risk and Vulnerability Assessments, Public Engagement, Planning Integration, Disaster Preparedness and Recovery, and Hazard Mitigation Implementation. The project stressed the importance of localized hazard assessments and their necessary link to planning, outreach, mitigation, response, and recovery. An introductory presentation and team work sessions led to a presentation of the project in May 2011 at a joint Planning Board/Environmental Commission public meeting. Follow-up has occurred at Township meetings, the presentation and final project report have been posted on the Township website and implementation of recommendations has begun (attached). In addition to continuing education, Greenwich was asked to participate in a 2012 grant-funded project that will create an additional "economic impact layer" to the project (NJ Sea Grant). Sustainable Greenwich

has facilitated conversations with representatives at county, state and federal levels to address immediate levee issues and continue long-term planning projects and community preparedness. Work accomplished on this action has also informed the Community Visioning action that began in the spring of 2011.

 [Coastal Community Assessment P](#)

 [Project Scope, Impact, Outreac](#)

 [Sample Outreach April 4, 2011](#)