

**Borough of Red Bank
Community Forestry Management
Plan
2016-2020**



Prepared by
Red Bank Shade Tree Committee

Table of Contents

[Municipal Information Form](#)

[Introduction](#)

[Mission Statement](#)

[Goals and Objectives](#)

[Liability Statement](#)

[Community Overview - Past, Present, and Future...](#)

[The History of Red Bank](#)

[The History of Red Bank's Shade Tree Management Program](#)

[Community Forestry Program Administration](#)

[The Mayor and Council](#)

[Borough Administrator](#)

[Chief Financial Officer](#)

[Borough Engineer](#)

[Red Bank Shade Tree Committee](#)

[Environmental Commission](#)

[Department of Public Utilities](#)

[Private Tree Contractors](#)

[Utility Line Clearance Contractors](#)

[General Public](#)

[The Monmouth County Board of Chosen Freeholders](#)

[Monmouth County Division of Shade Tree, Shade Tree Commission](#)

[Tree Service Request Process](#)

[Community Map](#)

[Training Plan](#)

[Public Education, Awareness and Outreach](#)

[Statement of Tree Budget](#)

[Statement of Shade Tree Management Plan Implementation](#)

[Community Stewardship Incentive Program \(CSIP\)](#)

Community Forestry Management Plan

Municipal/County Information Form

Municipality	Borough of Red Bank
County	Monmouth
Address	Borough of Red Bank PO Box 868 Red Bank, NJ 07701
Contact Name and Title	Maria Rotolo, Administrator Assistant
Phone #	732.530.2770
Fax # and E-mail	732.530.4718 mrotolo@redbanknj.org
Organization Name	Red Bank Shade Tree Committee
Mayor/County Freeholder's Signature	
Date of Management Plan Submission	
Time Period Covered in Management Plan	2016-2020
Community Stewardship Incentive Program (CSIP) Practices Identified in Management Plan	<input checked="" type="checkbox"/> CSIP #1 Training <input checked="" type="checkbox"/> CSIP #2 Community Forestry Ordinance Establishment <input checked="" type="checkbox"/> CSIP #3 Public Education and Awareness <input checked="" type="checkbox"/> CSIP #4 Arbor Day <input checked="" type="checkbox"/> CSIP #5 Tree Inventory <input checked="" type="checkbox"/> CSIP #6 Hazard Tree Assessment <input checked="" type="checkbox"/> CSIP #7 Storm Damage Assessment <input checked="" type="checkbox"/> CSIP #8 Tree Maintenance and Removals <input checked="" type="checkbox"/> CSIP #9 Insect and Disease Management <input checked="" type="checkbox"/> CSIP #10 Wildfire Protection <input checked="" type="checkbox"/> CSIP #11 Tree Planting <input checked="" type="checkbox"/> CSIP #12 Tree Recycling <input checked="" type="checkbox"/> CSIP #13 Sidewalk Maintenance Program <input checked="" type="checkbox"/> CSIP #14 Storm Water Management <input checked="" type="checkbox"/> CSIP #15 Other

Official Use Only Certification

The above named municipality/county has made formal application to the New Jersey Forestry Service. I am pleased to advise you that after our review, the NJ Forestry Service has concluded that this plan meets the standards set forth by the State and the NJ Community Forestry Council and is approved for the period covered.

Signed _____

State Forester

Approved date

2. Introduction

A. Mission Statement

To maintain and promote a healthy, safe and sustainable shade tree resource that will physically, economically and aesthetically benefit the community and its residents in the most cost effective manner possible.

B. Goals and Objectives

The following are the goals and objectives of Red Bank's 2016 - 2020 Shade Tree Management Plan.

1. Increase the tree canopy coverage in the borough.
 - a. Increase the tree canopy to 25%, as measured by the iTree software.
 - b. Continue the yearly planting program along borough and State streets and parklands following the guidelines of the established list of trees.
 - c. Continue the cooperative planting program along Monmouth County right-of-way in conjunction with the municipal efforts.
 - d. Coordinate shade tree efforts undertaken by the Red Bank Environmental Commission and the Department of Public Utilities.
 - e. Replace any removed trees and fill any vacant planting spaces, subject to property owner consent.
 - f. Continue to review new development plans to ensure appropriate placement, quantities and species of trees are proposed.
 - g. Continue providing input into the municipal road improvement program, and endeavor to coordinate on maintenance and end-of-warranty handoff issues.
 - h. Update the list of suitable street trees based on latest available information.
2. Continue the maintenance program for the trees along municipal rights-of-way to reduce liability to the borough and enhance the quality of life for residents.
 - a. List obvious tree defects and possible remedies and establish a priority list for the implementation of corrective procedures and removal of hazardous trees.
 - b. Address residents' concerns about public trees.
 - c. Continue maintaining the inventory of all public trees.
3. Educate the public about trees and their importance to the entire community.
 - a. Encourage residents to plant trees in their yards.
 - b. Publish at least two articles every year in local newspapers or online.

- c. Continue annual Arbor Day celebration.
- d. Continue achieving the Tree City USA designation.
- 4. Expand the training opportunities available to Shade Tree Committee members and Borough employees.
 - a. Attend tree-related training seminars in-person and online to obtain at least 8 CEUs annually.
 - b. Send at least one borough employee or volunteer for CORE training each year until all persons involved with the shade tree program are CORE trained.

C. Liability Statement

Although Red Bank recognizes all of the benefits provided to the community by its tree resource, it also recognizes the liabilities. As trees are living entities, it is inevitable that as they mature they eventually require care, maintenance, removal and replacement. Red Bank must, however, work within a reasonable budget and may not be able to meet each and every demand placed on them. Therefore, it is the intent of this plan to focus available resources to reduce obvious and predictable tree hazards to provide commensurate reduced risks to public safety.

Since it is impossible to predict or prevent all hazardous conditions that may arise, Red Bank is developing this plan to become more proactive in its tree maintenance. Proactive tree management should reduce the occurrence of unexpected events.

Following this plan will demonstrate Red Bank's commitment to proper tree management within the Borough's rights-of-way and public holdings with the aim of reducing the potential for future tree-related accidents, and thereby reducing its exposure to liabilities and increasing public safety.

3. Community Overview - Past, Present, and Future...

A. The History of Red Bank

(Excerpted from an article by former Red Bank Mayor Benedict R. Nicosia, Esquire)

Red Bank, as a part of a larger area, became an entity on March 17, 1870. However, an English sailor as early as September 5, 1609 saw the steep banks of red clay and called it "The Red Banks". The first official use of the name in Monmouth County was when it was described in a contract between Thomas and Hannah Morford of Shrewsbury and Joseph French, early Monmouth County settlers. The house built on the property stood at 98 West Front Street just opposite the Red Bank Public Library until it was torn down in 1998.

Located on the Navesink River it covers an area of 1.8 miles. It is 47 miles south of New York City. It has an ideal climate and an average temperature of 51.8 degrees.

In 1780 the noted American poet, William Cullen Bryant after a visit to Red Bank wrote, "Red Bank is in every sense, a pretty village and what perhaps is better - a thriving one. Rarely do we find in an American town, this union of thrift and beauty."

The ancient inhabitants of Red Bank were the Lenni Lenape tribe. Skeletons and Indian artifacts have been found near Hubbards' Bridge and the area known as Oyster Shell Point where the present Oyster Point Hotel now stands. In 1801 the last of the tribe moved to Onieda Lake in New York State.

In 1665 Red Bank and the surrounding area was sold to seven Englishmen and soon after the purchasers and families began to settle in the area. In 1832 there were 225 people living in Red Bank. Richard Stout, one of the original seven, later settled in Middletown. A descendant became a New Jersey State Senator.

Early settlers and developers of Red Bank had streets named after them. Some are Throckmorton Avenue, Reckless Place - named after Anthony Reckless, who became a New Jersey Senator and built his home in Red Bank which still stands on Broad Street and is now home to the Red Bank Woman's Club.

The earliest Court was in the Bank Tavern established by Joseph Price who also built sloops and large sailboats that sailed between New York and Red Bank carrying lumber, furniture and the food raised by local farmers. As time went on Red Bank developed residentially and commercially.

The Navesink River developed early as a sailing and ice boat racing center and has remained popular to the present day.

Red Bank was a popular shipping point for sailing boats and later, steamboats that traveled between Red Bank and New York with stops at Perth Amboy and Brooklyn. Steamboats in the early 19th century carried passengers and supplies to New York. At one time as many as two dozen steamboats traveled the Navesink River.

In 1939 the King and Queen of England visited Red Bank and later that year President Franklin Roosevelt came to Red Bank for a visit.

Today Red Bank is a town of approximately 12,000 residents. Transportation by train and bus is available to all towns and cities in New Jersey and New York City.

The RiverCenter promotes retail events such as Cruising with the Oldies, Food Festivals and band concerts at Marine Park and Riverside Gardens Park.

B. The History of Red Bank's Shade Tree Management Program

Since its creation, Red Bank has been a strategic riverside community with most of its original tree resources contained in native Oak and Beech forests. Today, the borough is over 90% developed, and the majority of the tree resources lie on private property. As for the public tree resource, it consists mainly of about 30 different tree species along roadways and in borough parks and facilities.

The Red Bank Shade Tree Committee (STC) was formally established by ordinance in April 2004. This advisory board will continue to help Red Bank become more proactive in its approach to tree care issues. Prior to this committee's establishment, tree related issues were handled by the Borough Arborist, the Department of Public Utilities (DPU) and the Red Bank Environmental Commission. STC has fostered a cooperative environment between these agencies for the betterment of Red Bank's tree resource and therefore its residents and visitors. Tree maintenance, including small tree and brush removal, minor pruning of deadwood and crown raising over roadways, has been handled by the DPU tree crews and trained volunteers. Larger removals and emergencies have been handled by outside contractors. This approach is expected to continue for the foreseeable future.

This is the third 5-year CFMP. Under the first two CFMPs, Red Bank has achieved some significant goals:

- Surveyed all public trees. The computerized inventory is kept up to date and shared publicly online.
- Removed close to 300 hazardous trees, including many Norway Maples and Bradford Pears.
- Planted close to 700 new trees, many of them using CSIP grants.
- Introduced a few dozen new species and cultivars.
- Made recommendations on numerous development plans.
- Achieved the Tree City USA designation for 10 years in a row.
- Involved many residents and organizations in tree-related activities.
- Worked with JCP&L to replace and maintain trees underneath overhead conductors.

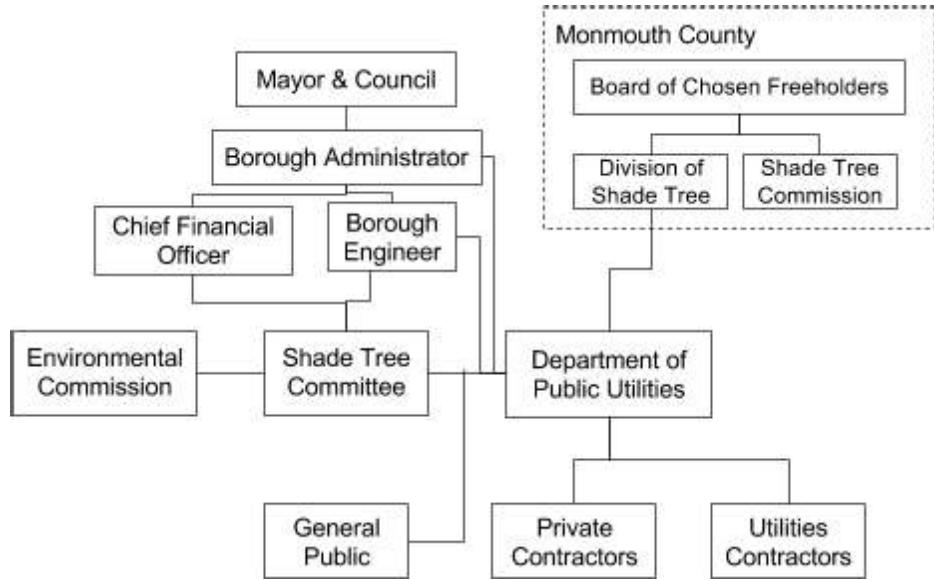
- Developed a list of recommended species for both open and under-the wires locations.
- Passed the tree protection ordinance #2007-24, applicable to public trees.

One of the main tree problems is the continuous decline of the less desirable street tree species, such as Norway Maples and Bradford Pears. There are about 100 of such trees left in public spaces. Trees that have been victimized by improper pruning, tree/sidewalk conflicts, narrow planting strips, vehicle damage to low branches and trunks, excessive mulch and improper planting depth, girdling roots (mainly on the Maple species) and drought stress are also notable problems that require continued attention. There are most certainly other insect, disease and cultural problems present, but none of these are currently at an intolerable level or worthy of note at this time. Despite the long list of maladies listed above, over 95% of the public trees are in fair to excellent condition today, due to the successful implementation of the CFMP in the last 10 years.

The STC intends to submit this renewal of Community Forestry Management Plan to the Mayor and Council for approval. It is the intent of this plan to re-establish and revise goals and objectives that will continue to protect and enhance the tree resource of Red Bank through maintaining the program of planting and preservation that will benefit present and future generations of the community. Once this Community Forestry Management Plan is accepted by the state, it will be presented to the Planning Board for incorporation into the new Master Plan.

4. Community Forestry Program Administration

The Red Bank Shade Tree Committee is an advisory board charged with making recommendations for the care of the Borough's tree resource. In reality, it is a cooperative effort of the Mayor and Council, Department of Public Utilities, Monmouth County Division of Shade Tree, and many other boards and agencies working with the Red Bank STC to achieve this goal. The following chart depicts those involved in the Shade Tree Management process as they pertain to Borough or County roadways.



A. The Mayor and Council

1. The Mayor is responsible for appointing the 5 members of the Red Bank STC with the consent of the Council.
2. The Mayor and Council review the policies and plans of the Red Bank STC.
3. The Mayor and Council approve annual budgets for the Red Bank STC and the DPU.
4. Council Liaison to the Shade Tree Committee reports to the Mayor and Council on pertinent issues and recommends the annual budget.

B. Borough Administrator

1. Helps to review the plans and policies of the Red Bank STC.

C. Chief Financial Officer

1. Works with the Mayor and Council to establish the operating budgets of the STC and DPU.

D. Borough Engineer

1. Designs public projects, including planting of trees as part of the road improvement program.

E. Planning and Zoning Board Engineer

1. Reviews and comments on the landscape plans for private development projects.

F. Red Bank Shade Tree Committee

The Red Bank STC is a five member volunteer board appointed by the Mayor and Council. They are the advisory agency for all community trees on municipal streets, rights-of-way, parks, or other properties. Their duties include:

1. Advise regarding the planting, removal and general maintenance of Borough trees.
2. Develop and recommend the policies and goals that will preserve and develop Red Bank's tree resource.
3. Perform public outreach to foster better understanding and care for Red Bank's trees on both public and private properties.
4. Assist in the handling of any complaints or requests received for work on Borough trees.
5. Develop and review annual budgets with the Council Liaison and CFO and submit them to the Mayor and Council.

G. Environmental Commission

1. Cooperates with STC in tree-related projects.

H. Department of Public Utilities

1. Perform certain tree removal, pruning and brush clean-up along municipal roadways and on borough properties.
2. Planting and upkeep of young trees along municipal roadways and on Borough properties.
3. Immediately report any tree hazards or other problems to the Director.
4. The Director supervises and inspects all work done by the Public Utilities Crew, and private contractors on Borough properties.
5. The Director develops annual plans and budget requests for tree maintenance costs.

I. Private Tree Contractors

Private contractors are responsible for the following:

1. Provide proof of appropriate insurance, certifications and licenses as necessary to the appropriate department heads.
2. Report prior to and following all work performed to the appropriate department supervisor.
3. Complete all work in a safe and timely manner according to all applicable safety standards set by OSHA or ANSI, as they pertain to tree care operations.
4. Follow all current arboricultural practices and recommendations.
5. Report all hazards or problems directly to appropriate department head immediately.

J. Utility Line Clearance Contractors

1. Must notify the Monmouth County Engineering Department or Monmouth County Shade Tree, Red Bank DPU Director or the Red Bank STC prior to the start of any non-emergency work.
2. Must follow all current arboricultural practices and recommendations.
3. May assist DPU Tree Crews in clearing trees to a safe distance from their facilities when necessary.

K. General Public

1. Report all requests for planting, removal or maintenance of trees on the Borough rights-of-way to the Red Bank STC or DPU.
2. Assist in follow-up care to the newly planted trees on adjacent properties or in County or Borough rights-of-way .

L. The Monmouth County Board of Chosen Freeholders

Tree maintenance along county roadways will be referred to Monmouth County. The care and maintenance of those trees will follow the plan outlined in Monmouth County's Shade Tree Management Plan.

1. The Board of Chosen Freeholders is responsible for appointment of the Monmouth County Shade Tree Commission and Division of Shade Tree.
2. The Board of Chosen Freeholders authorizes new policies and plans and approves annual budgets.

M. Monmouth County Division of Shade Tree, Shade Tree Commission

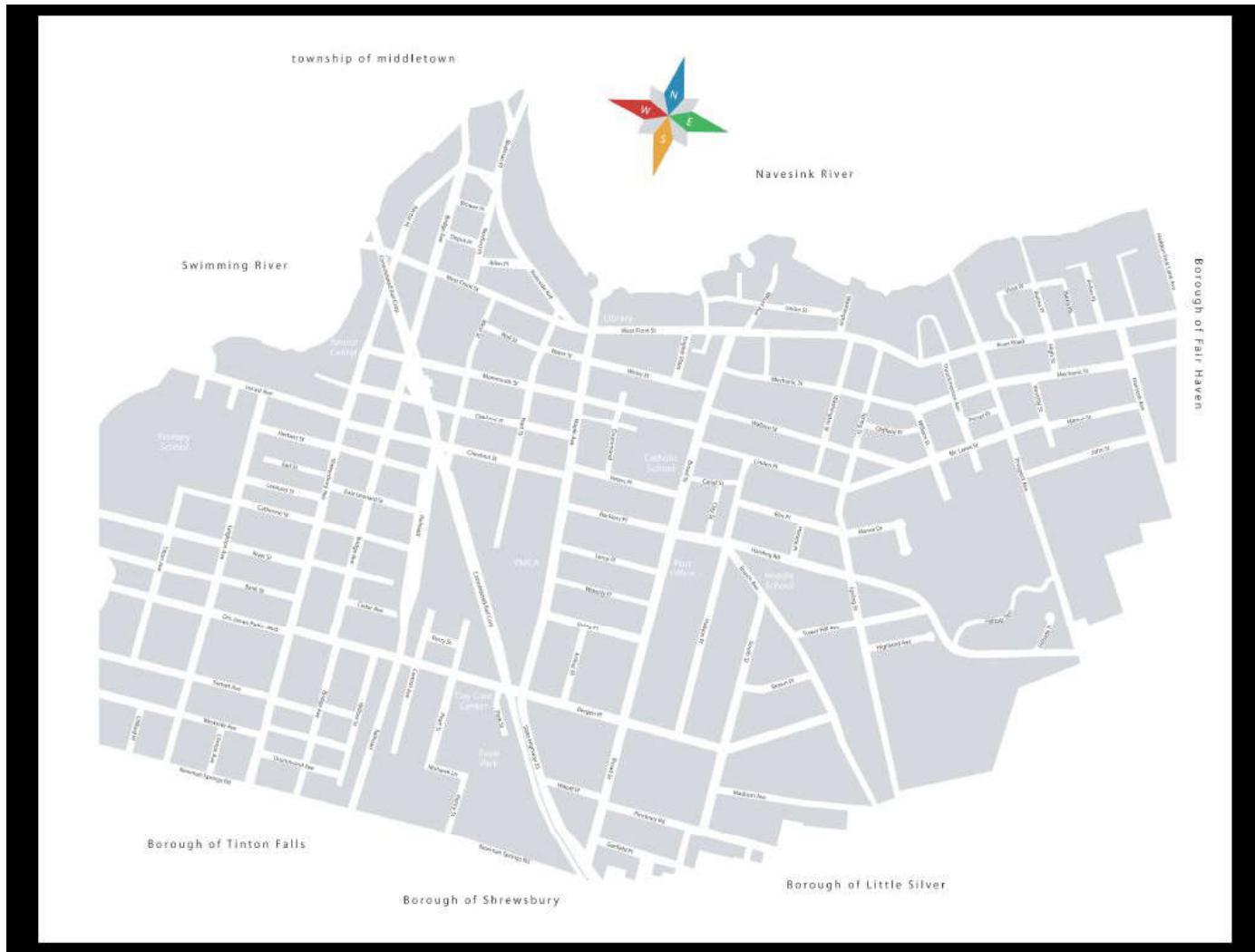
1. Review and carry out requests for tree planting, removal or maintenance on County rights-of-way.

Tree Service Request Process

Planting, removal, or pruning requests can be made by any department or individual residing in Red Bank, so long as the tree in question is on property owned and maintained by the Borough of Red Bank. All requests must follow this procedure.

- A. All requests must be emailed, mailed or called in to the Red Bank STC, DPU, or the Borough's general administration, who will relay the request to the STC.
- B. All information pertinent to the request should be sent to the Red Bank STC or DPU prior to action, except in the case of emergencies, which will be sent directly to the Director of Public Utilities to be handled in an expeditious manner.
- C. Non-emergency work requests will be reported to the STC. STC will prioritize and refer the requests to the appropriate department in the County or Borough.
- D. Work requests will be completed in the order in which they were received (excluding emergency or priority work) and will be completed in a reasonable time period.
- E. All property owners adjacent to the requested work and/or those making the request will be notified of any action to be taken, even if no action is deemed necessary at that time.

5. Community Map



6. Training Plan

Since arboriculture is constantly changing with fast-paced technological and scientific innovations, Red Bank recognizes the need for a broad based and ongoing training program for individuals at all levels of the Shade Tree Management Program. From Public Utilities Employees to Committee Members and Administrators, all need continued technical and managerial information to benefit Red Bank's tree resource.

A. Current Training

1. The Red Bank STC and DPU have a portion of their budgets dedicated to ongoing training of its Committee members and Public Utilities Crews.
2. The Red Bank STC encourages and provides for its members to participate in continuing education classes and CORE training as included in the New Jersey Shade Tree & Community Forestry Assistance Act. At the time of this writing, one Municipal Employee, and four Shade Tree Committee members are CORE trained.
3. Several members of the Shade Tree Committee have attended continuing education courses at the NJ Shade Tree Federation's annual meeting.
4. Three members of the Shade Tree Committee have had hazardous tree identification training.

B. Training Goals and Objectives

1. To have all individuals involved in the Shade Tree Management Program CORE trained by sending at least one member to CORE training and shade tree meetings each year until all individuals involved in the Tree Management Program meet those requirements.
2. Increasing the quality of care given to Red Bank's trees by providing Public Works Crews and STC members with the most current technical arboricultural information.
3. Ensuring the safety of Public Works Crews and residents by providing current and advanced training in hazard tree identification, equipment operation/safety, and electrical hazard awareness.
4. Satisfying the requirements of the Community Forestry Assistance Act, making Red Bank eligible for immunity from liability under the Tort Claims Act by gaining acceptance of this Management Plan and working toward the goals outlined herein.

7. Public Education, Awareness and Outreach

The Red Bank STC has a history of providing municipal and public outreach. STC will continue to raise the awareness of the public with regards to tree care and the benefits of trees. This will provide a valuable service to the community, while encouraging public support for the Committee and its efforts on the community's behalf. The Committee has implemented and will continue to

manage the following public outreach measures:

- A. Manage the website describing the STC and tree-related resources, including this CFMP after its approval.
- B. Publish at least two articles every year in local newspapers or online.
- C. Publish Shade Tree Committee meeting dates in compliance with the "Sunshine Law".
- D. Provide STC meeting minutes to borough officials.
- E. Hold an annual Arbor Day Program to include:
 - 1. Having the mayor proclaim the last Friday in April as Arbor Day on an annual basis.
 - 2. Sponsoring tree planting programs in cooperation with the local schools.
 - 3. Seeking the involvement of local civic organizations to participate in Arbor Day programs.
 - 4. Developing a school bumper sticker or poster contest to be recognized on Arbor Day.
 - 5. Achieving the Tree City USA status, striving for growth award achievements.

8. Statement of Tree Budget

For 2015, the tree-related expenditures were as follows:

Item	Amount
Tree planting and initial care (includes cost of tree purchases, labor and equipment for planting, planting materials, watering, mulching)	\$10,074.00
Tree maintenance (includes pruning, watering, mulching)	\$3,200.00
Tree removals	\$6,300.00
Management (includes professional training, memberships, salaries)	\$1,500.00
Volunteer Time (includes meetings, tree inventory, planning, maintenance, training, public education) - 10 people, 433 hours	\$11,106.60
TOTAL TREE-RELATED EXPENDITURES	\$32,180.60

In 2015, the Shade Tree Committee budget was \$5,000.00.

9. Statement of Shade Tree Management Plan Implementation

A. Tree Inventory/Assessment

A computerized street tree inventory has been done by STC over the past 10 years. It includes all trees along the streets, in borough parks and on borough owned properties.

1. Goals

- a. Keep the inventory up to date.
- b. Prevent diseases due to pests.
- c. Identify new planting spaces.
- d. Identify possible tree and sidewalk conflicts.
- e. Locate any historical or heritage trees.
- f. Increase tree canopy coverage to 25%.

2. Objectives

- a. Perform a walking survey to gather information, i.e. tree identification, obvious defects, tree/sidewalk and utility conflicts.
- b. Catalogue all pertinent information gathered in survey.
- c. Use iTree to evaluate the canopy coverage.
- d. Identify potential targets for attacks by pests, such as EAB, ALB, and monitor them closely.
- e. Evaluate new technologies for maintaining the inventory.

B. Hazard Tree Identification and Management

Red Bank is dedicated to providing a healthy and productive tree resource for its residents in the safest and most cost effective manner possible.

Public safety is of the highest concern throughout every aspect of the tree management program from planting to removal. Since 2004, hazard tree assessment and abatement work has been done on a continuous basis.

1. Goals

- a. To ensure public safety in relation to trees on all Red Bank Borough properties and thoroughfares.
- b. To continue the ongoing comprehensive plan for Hazard Tree Assessment on all borough properties and thoroughfares.

2. Objectives

- a. Continue the Hazard Tree Assessment by volunteers and

DPU.

- b. Hazard tree evaluation training should be provided for new STC members and DPU employees. Hazard tree courses such as those held at Rutgers University as well as other training programs will be available for all individuals involved in the tree care program.
- c. Encourage all members involved in the Tree Management Program to report all potential tree hazards to appropriate department heads.
- d. Have all obviously recognizable tree hazards discovered in the assessment remediated by pruning, removal or appropriate arboricultural actions, beginning with hazard tree removal.

C. Tree Planting

The tree planting program as it exists now is designed to replace dead trees and trees removed under overhead utilities, provide new street trees for any open planting sites available, and add species diversity to parks and other facilities. Arbor Day and memorial plantings are also planned to be an integral part of Red Bank's tree planting program. Red Bank recognizes the need for diversity and stability in its aging tree population and will continue to integrate young trees into areas with aging and declining tree populations. Implementation of this program will not only beautify the town, but also by diversifying the species and age of the trees in Red Bank, it will benefit the Community.

1. Goals

- a. Improve species diversity throughout the borough.
- b. Increase the number of smaller ornamental tree species in close proximity to overhead utilities, reducing future tree and utility conflicts.
- c. Seek better ways to maintain and help establish newly planted trees and reduce future tree / sidewalk conflicts, i.e. water, mulch and root barriers.
- d. Continue cooperation with the Environmental Commission and Red Bank schools for future Arbor Day plantings.
- e. Continue providing input into the municipal road improvement program.
- f. Continue providing input to site plans.

2. Objectives

- a. Find suitable tree species not currently existing on borough properties, and incorporate them into new plantings.
- b. With the cooperation of Monmouth County tree crews and

- utility companies, continue removing declining and poorly pruned or over-pruned trees and replace them with smaller species around overhead utilities.
- c. Solicit help of DPU and residents in aftercare of new tree plantings.
- d. Contact Monmouth County Shade Tree about cooperative tree maintenance programs.
- e. Work with the Red Bank Environmental Commission and local schools on a cooperative Arbor Day Program.
- f. Update the approved tree list for planting along borough properties and rights-of-way.
- g. Apply for Tree City USA.
- h. Seek grants or donations to fund new plantings and beautification of Borough parks, including Adopt-a-Tree and memorial garden programs.
- i. Review road improvement program plans and provide recommendations for planting locations and species.
- j. Review site plans and provide recommendations for reforesting to appropriate boards.

D. Tree Maintenance and Care

Red Bank recognizes that trees need general wellness care and not just emergency care. A proactive plan of routine scheduled maintenance will ensure a healthy, aesthetically pleasing and cost effective urban forest with a reduced hazard potential.

This management plan aims to provide a framework that will benefit and raise the level of care for all Borough owned trees and trees along Borough thoroughfares. Structural pruning schedules will be established to train young trees to reduce future potential liabilities and maintenance costs. Continued maintenance on established and mature trees should reduce the risk of hazardous situations and increase tree life spans, generating benefits to the community.

1. Goals

- a. To install healthy, viable trees into the existing landscape and help them to reestablish themselves as quickly as possible to insure their longevity.
- b. Prune to train and develop young trees with good structure.
- c. Maintain the health and extend the useful lifespan of existing trees.
- d. Promote public safety on Borough properties and rights-of-way.
- e. Maintain the maximum benefit of trees in the most

cost-effective manner.

- f. Develop new and stronger tree ordinances.

2. Objectives

- a. Seek cooperation from Monmouth County Shade Tree and NJ D.O.T. tree crews to begin a routine pruning cycle in Red Bank.
- b. Expand training for DPU tree crews to provide the best possible care to Red Banks trees, and safety for its employees and residents.
- c. Develop a rigorous training program for structural pruning of 20% of young trees on an annual basis.
- d. Investigate needs for purchasing new tree care equipment.
- e. Seek additional funds for hiring of private contractors for general tree care needs beyond the scope of Monmouth County and utility to help meet the borough's goals of pruning 20% of their tree resource annually.
- f. Review Monmouth County's tree care resolutions and ordinances and develop stronger tree protection ordinances that would follow county guidelines.
- g. Create an annual report of Shade Tree activities and make it available to the public.
- h. Endeavor to coordinate on maintenance and end-of-warranty handoff issues for trees planted through the road improvement program.

Shade Tree Management Plan Implementation

Timeline for the years 2016 - 2020

Year 1, 2016

- Continue to identify and manage hazardous trees. This hazard assessment will be carried out by DPU and STC.
- Continue the pruning program for young trees starting on the 3rd year after planting. All pruning to be from the ground.
- Continue already established tree planting projects. STC traditionally hires outside contractors to plant trees, usually in the spring and fall. Occasional special projects, such as the Arbor Day celebration, utilize volunteers. Planting is also done by bonding requirements from developers, and as part of the road improvement program.
- Update the tree inventory in Zone 1.
- Get the approved Community Forestry Management Plan on the Borough website.
- Initiate discussions with the planning board to gain recognition of the

Community Forestry Management Plan in the new Master Plan and Open Space Plan for the next revision.

- Achieve Tree City USA status.
- Continue an official borough Arbor Day celebration with local schools.
- Have at least 2 articles published on tree-related issues in the local paper or online.
- Continue to adhere to the sunshine law by publishing monthly meeting notices.
- Work with the necessary departments to revise and strengthen current tree care and tree preservation ordinances.
- Work with the new DPU Director to continue the cooperative relationship between STC and DPU.
- Send 1 or 2 people from STC and DPU to CORE training and CEU's. The goal for this year is how to recognize and deal with tree pests, such as Emerald Ash Borer.
- Contact Monmouth County Shade Tree to continue routine pruning and planting on county roads in Red Bank.
- Continue the monthly meetings with site plan reviews.
- Submit an Annual Accomplishment Report to NJ Forest Service.

Year 2, 2017

- Continue to identify and manage hazardous trees.
- Continue with regular tree planting. Apply for a CSIP tree planting grant.
- Update the tree inventory in Zone 2.
- Continue yearly Public Relations activities, such as Tree City USA re-certification, Arbor Day celebrations, 2 articles and Sunshine Law notifications.
- Continue attendance at the New Jersey Shade Tree Federation Meeting (STC and DPU). Continue in-house training of DPU employees. The goal for this year is to hold tree identification and hazard tree identification courses.
- Continue cooperative effort with Monmouth County Shade Tree to prune and plant on county roads in Red Bank.
- Submit Annual Accomplishment Report to the New Jersey Forestry Service.
- Continue monthly meetings with site plan reviews.
- Consider engaging the public using social media, such as by creating a Facebook page.

Year 3, 2018

- Continue to identify and manage hazardous trees. Apply for a CSIP tree maintenance grant.
- Continue with regular tree planting.

- Update the tree inventory in Zone 3.
- Continue yearly Public Relations activities, such as Tree City USA re-certification, Arbor Day celebrations, 2 articles and Sunshine Law notifications.
- Continue attendance at the New Jersey Shade Tree Federation Meeting (STC and DPU). Continue in-house training of DPU employees.
- Continue cooperative effort with Monmouth County Shade Tree to prune and plant on county roads in Red Bank.
- Submit Annual Accomplishment Report to the New Jersey Forestry Service.
- Continue monthly meetings with site plan reviews.

Year 4, 2019

- Continue to identify and manage hazardous trees.
- Continue with regular tree planting.
- Update the tree inventory in Zone 4..
- Continue yearly Public Relations activities, such as Tree City USA re-certification, Arbor Day celebrations, 2 articles and Sunshine Law notifications.
- Continue attendance at the New Jersey Shade Tree Federation Meeting (STC and DPU). Continue in-house training of DPU employees. This year should focus on proper pruning, chain saw and equipment safety.
- Continue cooperative effort with Monmouth County Shade Tree to prune and plant on county roads in Red Bank.
- Submit Annual Accomplishment Report to the New Jersey Forestry Service.
- Continue monthly meetings with site plan reviews.

Year 5, 2020

- Continue to identify and manage hazardous trees.
- Continue with regular tree planting.
- Update the tree inventory in Zone 5.
- Continue yearly Public Relations activities, such as Tree City USA re-certification, Arbor Day celebrations, 2 articles and Sunshine Law notifications.
- Training goals will also remain the same as last year, with a focus on any specific topics/problems that may have come up as a result of working through this management plan, or topics that may be seen as necessary to move forward through the next 5-year plan.
- Continue cooperative effort with Monmouth County Shade Tree to prune and plant on county roads in Red Bank.
- Submit Annual Accomplishment Report to the New Jersey Forestry Service.
- Continue monthly meetings with site plan reviews.
- Create and submit the next 5-year Community Forestry Management Plan. Apply for a CSIP grant to fund this project.

10. Community Stewardship Incentive Program (CSIP)

The thirteen items listed below as a part of the Community Stewardship Incentive Program (CSIP) have been identified throughout this plan with current procedures or a recommended course of action.

The following is a brief synopsis of the suggested practices.

CSIP #1 Training

This practice is addressed in section [6](#).

CSIP #2 Ordinance Establishment

This practice is addressed in section 3, subsection B.

CSIP #3 Public Education and Awareness

This practice is addressed in section 7.

CSIP #4 Arbor Day Activities

This practice is addressed in section 7.

CSIP #5 Tree Inventory

This practice is addressed in section 9A.

CSIP #6 Hazard Tree Assessment

This practice is addressed in section 9B.

CSIP #7 Storm Damage Assessment

This practice is addressed in section 9B.

CSIP #8 Tree Maintenance and Removal

This practice is addressed in section 9D.

CSIP #9 Insect and Disease Management

No formal management plan exists for trees along roads or on other properties. Any insect or disease outbreaks are handled on a case-by-case basis. Diagnosis and consultation would be sought from NJ State Department of Agriculture, Rutgers Cooperative Extension Service, or a Certified Tree Expert and treatment would follow their recommendations. In the event of outbreak, State or Federal assistance would be requested.

CSIP #10 Wildfire Protection

Being an urban community, Red Bank does not currently have a formal wildfire protection plan, but by maintaining a healthy urban forest and removing brush,

the potential for wildfire is mitigated. STC will cooperate with the Red Bank Fire Department and Fire Marshall regarding fire prevention.

CSIP #11 Tree Planting

This practice is addressed in section 9C.

CSIP #12 Tree Recycling

The recycling program as it exists now consists of leaf and brush clean-ups in the fall and spring and Christmas trees are chipped roadside. Woodchips are stored at the Department of Public Utilities for use by residents or in local parks. Any bulk wood from trees removed in Red Bank is left for firewood use by residents or taken to a local recycling facility. No further changes are expected at this time.

CSIP #13 Sidewalk Maintenance Program

This practice is addressed in section 9C.

CSIP #14 Storm Water Management

This practice is addressed in section 9D.

CSIP #15 Other

No other management practices have been identified at this time.