



2007 – 2012

**Community Forestry
Management Plan**

Borough of Haddonfield

2007 – 2012 COMMUNITY FORESTRY MANAGEMENT PLAN

**Borough of Haddonfield
Camden County
New Jersey**

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Jeff Hammon
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Bill Polise
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Department of Public Works

David Watson, *Superintendent of Public Works*





Table of Contents

MUNICIPAL INFORMATION	1
Municipal Information Form	1
INTRODUCTION	2
Scope.....	2
Mission Statement.....	2
Overall Program Goals.....	2
Tree Hazards & Liability.....	3
COMMUNITY OVERVIEW	4
2002 – 2007 Shade Tree Program Review	4
Current Public Tree Assessment	5
Relation to the Borough Master Plan	6
MAPS	8
Borough Street Map	8
PROGRAM ADMINISTRATION	9
Shade Tree Program Structure	9
Shade Tree Program Responsibilities.....	9
Current Ordinances & Policies	12
Tree Service Request Procedures	12
2007 – 2012 Objectives.....	13
BUDGET & RESOURCES	15
Overview	15
Employee Salary & Wages.....	15
Operations.....	15
Borough Equipment	15
Tree Planting.....	15
Tree Waste Recycling.....	16
Volunteer Services.....	16
Totals	16
TRAINING & PROFESSIONAL DEVELOPMENT	17
Training & Professional Development Goals.....	17
Existing Programs, Policies & Procedures.....	17
Current Training Needs.....	18
2007 – 2012 Objectives.....	18
PUBLIC EDUCATION, AWARENESS & OUTREACH	20
Public Education, Awareness & Outreach Goals.....	20
Existing Programs, Policies & Procedures.....	20
2007 – 2012 Objectives.....	20
TREE INVENTORY & ASSESSMENT	22
Tree Inventory & Assessment Goals	22
Existing Programs, Policies & Procedures.....	22
2007 – 2012 Objectives.....	22

TREE HAZARD MANAGEMENT	25
<i>Tree Hazard Management Goals</i>	25
<i>Existing Programs, Policies & Procedures</i>	25
<i>2007 – 2012 Objectives</i>	25
TREE PLANTING	27
<i>Tree Planting Goals</i>	27
<i>Existing Programs, Policies & Procedures</i>	27
<i>2007 – 2012 Objectives</i>	28
TREE MAINTENANCE	30
<i>Tree Maintenance Goals</i>	30
<i>Existing Programs, Policies & Procedures</i>	30
<i>2007 – 2012 Objectives</i>	32
TREE WASTE RECYCLING	33
<i>Tree Waste Recycling Goals</i>	33
<i>Existing Programs, Policies & Procedures</i>	33
<i>2007 – 2012 Objectives</i>	33
TREE CARE DISASTER PLAN	35
<i>Tree Care Disaster Plan Goals</i>	35
<i>Existing Programs, Policies & Procedures</i>	35
<i>2007 – 2012 Objectives</i>	36
PLAN PREPARATION & EVALUATION	37
<i>Plan Preparation & Evaluation Goals</i>	37
<i>Existing Programs, Policies & Procedures</i>	37
<i>2007 – 2012 Objectives</i>	37
SUMMARY OF 2007 – 2012 OBJECTIVES	38
<i>Timeline</i>	38
APPENDIX	45
<i>Current Ordinances</i>	45



Municipal Information

Municipal / County Information Form

MUNICIPALITY	Borough of Haddonfield
COUNTY	Camden
ADDRESS	242 Kings Highway, East Haddonfield, NJ 08033
CONTACT	David Watson, Superintendent of Public Works
PHONE	(856) 429-0183 x 123
FAX & EMAIL	(856) 429-0220 dwatson@haddonfield-nj.gov
ORGANIZATION	Shade Tree Commission of the Borough of Haddonfield
MAYOR'S SIGNATURE	Original Copy Signed
	<small>* I Certify that this Community Forestry Management Plan was developed specifically and exclusively for the Borough of Haddonfield, NJ</small>
DATE SUBMITTED	September, 2007
TIME PERIOD	October 2007 – September 2012
CSIP PRACTICES IDENTIFIED IN PLAN	<input checked="" type="checkbox"/> CSIP #1 Plan Preparation p. 37 <input checked="" type="checkbox"/> CSIP #2 Training p. 17 <input checked="" type="checkbox"/> CSIP #3 Public Education & Awareness p. 20 <input checked="" type="checkbox"/> CSIP #4 Arbor Day Activities p. 20, 21 <input checked="" type="checkbox"/> CSIP #5 Assessment / Inventory p. 22 <input checked="" type="checkbox"/> CSIP #6 Tree Hazard Identification Plan p. 25 <input checked="" type="checkbox"/> CSIP #7 Tree Planting p. 27 <input checked="" type="checkbox"/> CSIP #8 Tree Maintenance p. 30 <input checked="" type="checkbox"/> CSIP #9 Tree Recycling p. 33 <input checked="" type="checkbox"/> CSIP #10 Ordinance Establishment p. 12 <input checked="" type="checkbox"/> CSIP #11 Tree Care Disaster Plan p. 35 <input checked="" type="checkbox"/> CSIP #12 Insect and Disease Management p. 28, 29, 31, 35 <input checked="" type="checkbox"/> CSIP #13 Other various sections

Official Use Only Certification

The above named municipality has made formal application to the New Jersey Forest Service. I am pleased to advise you that after our review, the NJ Forest 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 _____ Original Copy Signed & Dated

State Forester

Approved Date _____

SCOPE

The Borough of Haddonfield has developed this second five-year Community Forestry Management Plan in accordance with statewide efforts to preserve and promote sustainable shade tree programs and resources.

The Borough recognizes that a healthy shade tree population is an essential component of Haddonfield's unique beauty and character, and appreciates the value and benefits trees offer in improving the quality of urban and suburban life. It also acknowledges the responsibility of proper tree maintenance and the inevitability of tree mortality and replacement associated with these benefits.

This second five-year Plan builds upon the successes realized and addresses the challenges faced in implementing the Borough's 2002 – 2007 Community Forestry Management Plan. The following sections outline programs and procedures for managing public tree resources along streets, in parks, and on public grounds within the Borough of Haddonfield during the 2007 – 2012 management period.

MISSION STATEMENT

To cost-effectively develop, maintain and promote a sustainable, safe and productive shade tree resource that benefits the physical, economic, environmental, and social well-being of the Haddonfield community.

OVERALL PROGRAM GOALS

The New Jersey Community Forestry Council has identified twelve Community Stewardship Incentive Program (CSIP) practices that together comprise a complete and comprehensive community forestry program.

Within each of the plan elements that follow, existing Borough programs, policies and procedures are described, intermediate and element-specific goals are established, and CSIP-based objectives for the 2007 – 2012 management period are set.

Systematic fulfillment of these CSIP-specific goals and objectives will gradually move the Borough's Shade Tree Program toward its overall program goals, which are established as follows:

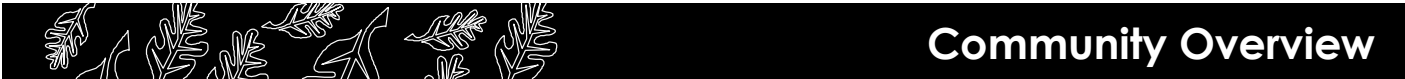
1. Develop and perpetuate a beneficial shade tree resource.
2. Maximize the benefits of trees to the community.
3. Maximize long-term stability and sustainability in the shade tree resource.
4. Optimize the balance between tree health, maintenance costs and budgetary constraints.
5. Minimize the risk of trees to public safety.
6. Minimize conflicts between trees and infrastructure.
7. Improve and maintain public interest, appreciation and support for public shade tree programs and encourage volunteer participation.
8. Encourage the planting and proper stewardship of trees on private property.
9. Meet all eligibility requirements of the NJ Shade Tree & Community Forestry Assistance Act.

**TREE HAZARDS
& LIABILITY**

As is the case with all municipal assets, trees require maintenance and it is inevitable that potentially hazardous conditions will emerge. Nevertheless, the Borough recognizes that a comprehensive and proactive shade tree program designed to prevent, anticipate and correct such problems will maximize the benefits of trees while minimizing the threat to public safety and exposure to liability. All elements of this Plan are designed to optimize the balance between tree benefits and risks.

The Borough acknowledges that not all hazardous conditions can or will be predicted. It must work within a limited budget and may not be able to meet every need immediately. The intent of this second five-year Plan is to continue to direct available resources toward the greatest needs and systematically develop and maintain a healthy shade tree resource with a commensurate reduction in the threat to public safety.

The Borough of Haddonfield is committed to improving safety and reducing liability as one of its primary goals. Public safety will remain a primary consideration in the development and implementation of all shade tree plans and programs. This Plan provides a systematic means of identifying and abating existing tree hazards on a prioritized basis. Further, it provides a means of reducing the potential for future hazards and liability through responsible planting and preventive maintenance.



Community Overview

HADDONFIELD TODAY

Today, the Borough of Haddonfield is a fully developed, primarily residential community situated in western Camden County.

Its 1800 acres are bordered by the Cooper River and Cherry Hill Township to the north and east, the Boroughs of Tavistock, Barrington and Haddon Heights to the south, and Haddon Township to the west.

While centered in a highly urbanized metropolitan area, Haddonfield has managed to retain much of its genteel character, historic value and beauty. It is considered to be one of the most desirable places to live in the Delaware Valley.

Haddonfield's 11,000+ citizens have a strong sense of identity. Community activists have created one of the region's most rigorous historic preservation programs. The Historic District, established in 1971 by public referendum, currently includes more than 400 structures and most of the Borough's central business district, which is beautifully shaded by massive trees.

2002 – 2007 SHADE TREE PROGRAM REVIEW

Haddonfield Borough has an active Shade Tree Program. Trees are planted annually, emergencies are taken care of quickly, and residents are continually informed and involved. Haddonfield has been able to maintain this level of productivity and success and is fortunate to have had a well structured and effective Shade Tree Program in place for decades. Haddonfield is also fortunate to have a Mayor and Board of Commissioners who are very aware of the importance of the tree resource to the Borough, and who are very supportive of the Program.

Haddonfield Borough consistently plants between 75 and 120 trees each year, and has an active Shade Tree Commission that works closely with the Department of Public Works to organize and carry out these tree plantings. Arbor Day is celebrated in the Borough each year, and is a collaborative effort between the Shade Tree Commission, the Department of Public Works and the local schools.

The Department of Public Works has been collecting and updating inventory data on the Borough's street trees for years, and every time a tree is removed, pruned or planted, information on that tree is added to or updated in the computerized inventory system. To date, over 6,900 trees have been inventoried. It is estimated that Haddonfield has between 10,000 and 11,000 trees growing within Borough rights-of-way, and the completion of the Street Tree Inventory is one of the primary goals of this 2007 – 2012 Plan.

The Shade Tree Program's longstanding and consistent progress has been slowed over the last several years by several issues. For eighteen years, the Borough contracted for the pruning and removal of Borough trees, with the same crew providing these services. In the second half of 2005, the crew changed and the quantity of work declined. To remedy the situation, in the latter part of 2006, the Borough successfully changed its contracting terms for tree removal and re-budgeted to take tree pruning back in-house. In spring of 2007, a two person crew began working through the tree trimming backlog and, as time permitted, completing additional tree removals.

The membership of the Shade Tree Commission also changed significantly during 2006 and early 2007. The longstanding Chairman of the Shade Tree Commission who had worked for decades to ensure the planting and health of the Borough's trees passed away unexpectedly during that time period. Additionally, over an eighteen month period, a number of the long-term members of the Shade Tree Commission resigned for personal and professional reasons. They were replaced by new members and alternates to ensure a full compliment on the Commission. These new members were trained in the Borough's tree management policies and procedures. They also have begun a process of formalizing the Commission's policies and procedures. Writing and publishing these policies and procedures is another primary goal of this Plan.

Bacterial leaf scorch continues to be a serious burden in Haddonfield. This disease, which was primarily affecting the Borough's pin oaks at the time that the first five-year Plan was completed, has now spread to the red oaks as well. Red oak and pin oak make up a significant component of the existing tree canopy, and pruning and removal needs now far exceed the Borough's available staffing and resources. Haddonfield's Shade Tree Program, which ten years ago was completely caught up with pruning requests and had begun a program of maintenance pruning by block, is now struggling to keep up with a significant backlog of pruning and removal work relating to bacterial leaf scorch.

The first five-year Community Forestry Management Plan has been helpful to Haddonfield's Shade Tree Program in many ways. By following the requirements of the Shade Tree Act's training component and meeting the goals of the Borough's training plan, the Borough's Shade Tree Program has effected a measurable impact on the Borough's shade tree resource. The primary training needs identified in the Borough's first Plan were tree hazard identification and assessment, planting site analysis and tree species selection, and bacterial leaf scorch identification and management. The Borough was successful in obtaining training in each of these areas. We have noted a marked reduction in the number of tree failures in both large, mature trees and in new plantings. This can be attributed to the DPW's ability to recognize a potentially hazardous condition and proactively address it. There has been further benefit from knowledge gained by the DPW and Shade Tree Commission about proper planting practices and choosing the right tree for the right place. The Borough has also learned to recognize the signs and symptoms of bacterial leaf scorch in its trees, and can now make informed decisions regarding the care of those trees.

The Community Forestry Management Plan has been helpful in keeping Haddonfield's Shade Tree Program on track with its goals and objectives, and has "forced" the program to address issues that may otherwise have been overlooked. At this time, approaching the end of the first five-year plan, it has helped the Shade Tree Program to refocus, to look back at what has been accomplished, and to plan seriously for what still needs to be done. The Borough is looking forward to continued success as it works through this new Plan for the 2007 – 2012 management period.

**CURRENT
PUBLIC TREE
ASSESSMENT**

The Haddonfield Department of Public Works has been collecting and updating inventory data on the Borough's street trees for years, and every time a tree is removed, pruned or planted, information on that tree is added to or updated in the inventory. Approximately 60% – 70% of the Borough's street trees have been inventoried to date. Based on information gathered through the inventory and the impressions of the Superintendent of Public Works, it is believed that:

1. The street tree population contains approximately 10,000 – 11,000 trees.
2. Streets in most areas of the Borough are fairly well stocked. Some areas are overstocked, with closely spaced trees.
3. The street tree population is comprised of approximately:
 - a) 32% oaks
 - b) 25% maples

- c) 7% ash
 - d) 7% Zelkova
 - e) 4% sycamore
 - f) 25% from a fairly wide variety of other species
4. The street tree population has remained relatively stable with an average of 100 trees removed each year and an average of 100 trees planted each year, however this does not completely reflect the rapid decline that is occurring in the red and pin oak populations due to bacterial leaf scorch.
 5. Bacterial leaf scorch is a significant problem among pin and red oaks, affecting more trees in Haddonfield and the surrounding communities each year. As a result, an increasing number of trees are being removed.

Changes in the street tree population since the 2002 – 2007 Community Forestry Management Plan was implemented include:

1. Improvements in the age diversity of the street tree resource as a constant number of trees are removed and replaced each year, over the long-term.
2. An overall reduction in the number of maples.
3. Improvements in species diversity as many different species within a genus are planted. The Shade Tree Program has utilized almost twenty different species for its street tree planting program over the last ten years.
4. A significant reduction in the number of potentially hazardous trees as a result of proactive efforts to identify and address these trees in priority order.
5. A significant reduction in the number of emergency storm-related tree failures as potentially hazardous trees are recognized and addressed in a proactive manner.
6. Increases in the number of trees declining and dying due to bacterial leaf scorch infection.

The Borough currently lacks a detailed inventory and assessment of trees in Borough parks and on public properties.

**RELATION
TO THE
BOROUGH
MASTER PLAN**

All aspects of this Community Forestry Management Plan are consistent and compatible with the goals, objectives and general intent of the Borough's *Master Plan* (last Reexamination Report 2004) and *Parks, Recreation and Open Space Master Plan* (last updated 2005).

Comprehensive shade tree management efforts will help preserve the aesthetic appeal of the existing streetscapes and overall character of the quiet, shaded residential neighborhoods in Haddonfield. They will ensure that the shade tree resource is perpetuated so that the physical, economic and social benefits they provide to the community will continue, uninterrupted, over the long term.

Although there is no formal link at this time between this Community Forestry Management Plan and the Borough Master Plan or Parks, Recreation and Open Space Master Plan, there are several parallel goals and objectives that provide an informal link and a common purpose. The unifying objective of the Borough Master Plan and this Community Forestry Management Plan is **to provide well-landscaped pedestrian circulation linkages, to shade and beautify parking lots, and to preserve the sense of continuity, lot-to-building scale, and mature landscaping that make the Borough so attractive**. The plans are further linked through existing Borough ordinances regarding trees and various elements of the Borough's land use code, which contain requirements for shade trees, buffers and landscaping in conjunction with land development.

During the next re-examination of the Master Plan, the Borough will identify and consider other means of creating a more formal link to this Community Forestry Management Plan.

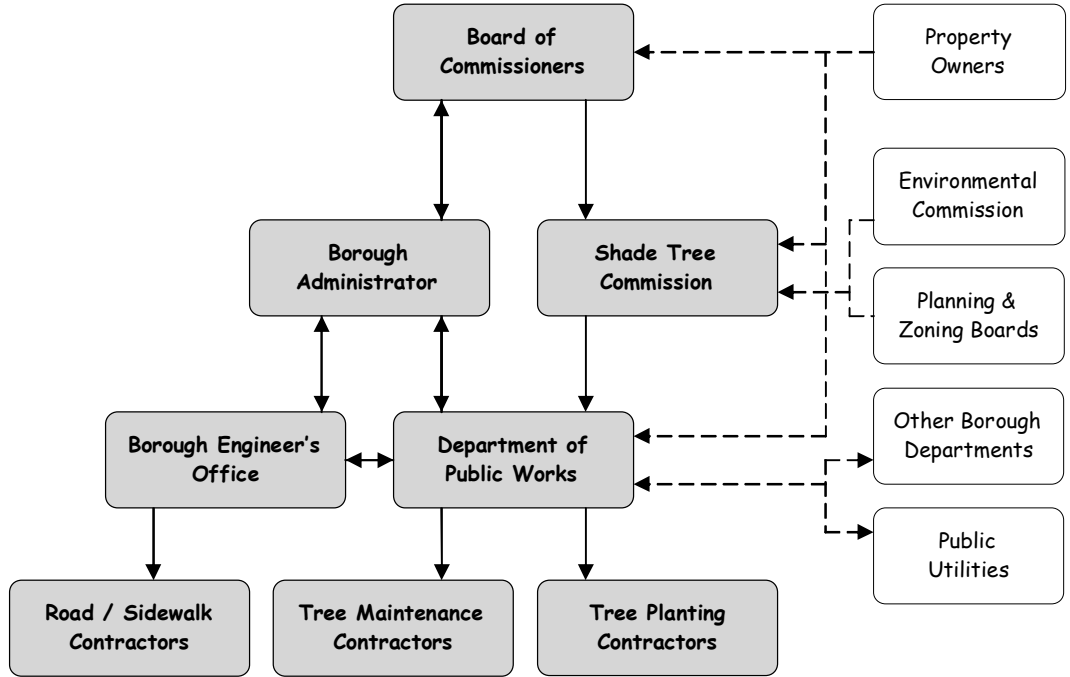
All programs outlined in this Plan will continue to be developed and implemented in a manner that will directly or indirectly satisfy or support the goals and the general intent of the Borough's Master Plan.

**BOROUGH
STREET MAP**

To be included in final copy

SHADE TREE PROGRAM STRUCTURE

The Shade Tree Commission is primarily responsible for the management of public trees in the Borough of Haddonfield. However, the administration of Haddonfield's Shade Tree Program is a cooperative effort involving several Borough commissions, boards and departments, as follows:



SHADE TREE PROGRAM RESPONSIBILITIES

1. **Board of Commissioners**
 - a) The Mayor is responsible for appointing members to the Shade Tree Commission.
 - b) The Board of Commissioners is responsible for approving the Shade Tree Program's budget and authorizing debt.
 - c) One Commissioner is responsible for overseeing the Department of Public Works, which handles the daily operations of the Shade Tree Program.

2. **Borough Administrator**
 - a) The Borough Administrator:
 - i) Serves as the chief administrative official of the Borough.
 - ii) Approves, by purchase order, specific expenditures against the budget.
 - iii) Submits the Shade Tree Program budget to the Board of Commissioners.
 - iv) Is responsible for the hiring, discipline and dismissal of department personnel.

3. Shade Tree Commission

- a)** The Shade Tree Commission is a fully empowered commission per NJSA 40:64 – 1.
- b)** The Shade Tree Commission is a group of seven resident volunteers (5 members and 2 alternates) who are appointed by the Mayor.
- c)** By ordinance, the Shade Tree Commission is empowered to, and/or is responsible for:
 - i)** Exercising full and exclusive control over the planting and care of trees and shrubbery in Borough rights-of-way and easements, in Borough parks, and on Borough properties.
 - ii)** Regulating and controlling the use of the ground surrounding public trees to ensure the proper growth, care and protection of root systems.
 - iii)** Removing or otherwise treating trees found dangerous to public safety.
 - iv)** Planning and assisting in implementing various tree planting projects.
 - v)** Developing the goals that steer the Borough's Shade Tree Program and the policies that govern its day-to-day operation.
 - vi)** Reviewing and approving proposals for the planting and/or removal of shade trees within applications before the Planning Board.
 - vii)** Tracking and evaluating progress toward the long-term goals of this Community Forestry Management Plan and adjusting short-term goals and annual tasks, as necessary.

4. Department of Public Works

- a)** The Department of Public Works manages the daily operations of the Shade Tree Program. Specifically, it is responsible for:
 - i)** In cooperation with the Shade Tree Commission, administering applicable ordinances, rules and regulations relating to public trees.
 - ii)** Maintaining street trees and trees in Borough parks and on Borough properties, and completing related tasks.
 - iii)** Planting public trees.
 - iv)** Receiving requests for tree planting and maintenance from property owners and other sources and scheduling and completing the necessary inspections and work.
 - v)** Providing emergency response service, when appropriate.
 - vi)** Supervising contractors retained to plant and maintain Borough trees.
 - vii)** Developing and maintaining an inventory of the Borough's public tree resource, with the help of the Shade Tree Commission.

5. Tree Maintenance & Planting Contractors

- a)** Outside contractors currently complete most tree planting and tree removal work.
 - i)** Currently, a contracted tree removal crew of trained arborists is hired through a performance based contract to complete tree removal lists prepared by the Superintendent of Public Works.
 - ii)** Tree planting is completed by a separate landscape contractor on an annual bid basis.
 - iii)** Additional crews and/or contractors may be retained on an as-needed, project basis.
- b)** Contractors are, within the terms of their agreement, responsible for:
 - i)** Completing all work to the specifications and under the supervision of the Superintendent of Public Works in an efficient and safe manner.
 - ii)** Following all current and accepted arboricultural standards and practices

and abiding by all current and applicable safety standards relating to tree care operations.

- iii) Reporting any tree-related hazards or other problems immediately to the Borough.

6. Consulting Arborist

- a) The Department of Public Works periodically hires a New Jersey Certified Tree Expert to complete certain tasks and provide technical consultations, such as:
 - i) Inspection and assessment of specific hazard trees.
 - ii) Expert advice on certain public tree service requests.
 - iii) Assisting in the preparation of this Community Forestry Management Plan.

7. Property Owners

- a) Private property owners assist the Shade Tree Program to the extent that they:
 - i) Notify the Borough of service requests for trees within Borough rights-of-way (see procedures below).
 - ii) Assist in maintaining and protecting new tree plantings adjacent to their properties in accordance with instructions provided by the Superintendent of Public Works.
 - iii) Are encouraged to plant and properly care for trees on private property.

8. Other Borough Departments, Boards & Commissions

- a) Other departments, boards and commissions participate in the Shade Tree Program to the extent that they administer and implement Borough ordinances, policies and procedures that directly or indirectly relate to shade trees.
 - i) The Superintendent of Public Works cooperates with the Borough Engineer's office and road construction and sidewalk contractors on street renovation projects as they relate to the root pruning, pruning, removal, and/or replacement of existing trees.
 - ii) The Planning Board and Zoning Board of Adjustment are responsible for requiring applicants to follow various elements of the Borough Code that relate to the planting and protection of trees, landscaping and buffers during development.
 - iii) The Environmental Commission is responsible for making recommendations with regard to planning and managing the Borough's open space resources.
 - iv) Various other departments and boards notify the Shade Tree Commission of plans and projects as they relate to shade trees and seek their input.
 - v) All departments notify the Department of Public Works of tree related hazards for emergency response.

9. Public Utilities

- a) The role of public utilities in the Shade Tree Program is primarily to minimize conflicts between trees and their facilities.
- b) While working on or around Borough trees, public utilities and their contractors are responsible for:
 - i) Abiding by all applicable ordinances.
 - ii) Keeping the Borough informed as to their work plans and schedules.
 - iii) Exercising reasonable diligence in the installation and maintenance of their facilities so as to avoid damage to public and private trees.
 - iv) Not removing any tree without prior approval of the Borough or its owner.
 - v) Following all current and accepted arboricultural standards and practices.
 - vi) Assisting Department of Public Works crews or Borough contractors in

completing tree removal and maintenance work around their facilities, where necessary.

**CURRENT
ORDINANCES
& POLICIES**

1. Haddonfield's Shade Tree Program is governed by and with the authority of the following Borough ordinances:
 - a) Chapter 56, *Shade Tree Commission*, which establishes and empowers a Shade Tree Commission in the Borough of Haddonfield (adopted as Ordinance #655 on February 4, 1930, amended by Ordinance #1440 on December 11, 1984; amended in its entirety by Ordinance #12-2004 on April 27, 2004).
 - b) Chapter 224, *Trees*, which provides for the control, planting, protection and improvement of shade trees and shrubbery in Borough rights-of-way, parks and parkways (adopted as Ordinance #1376 (December 14, 1982).
 - c) Various elements of the Borough's land use code, which contain requirements for shade trees, buffers and landscaping in conjunction with land development.
2. These ordinances currently provide the Shade Tree Program with sufficient authority to fulfill its responsibilities and duties. However, they require periodic review to ensure that they are current and satisfy existing needs (i.e. maximum fines, etc.).
3. In accordance with the goals of the first five-year Plan, all Shade Tree Program ordinances were reviewed and are within the Borough code, and are now available and searchable on-line through the Borough's Internet Website.
4. Currently, there are no ordinances that regulate the removal or care of trees on private property in effect.

The Borough periodically establishes and operates under written policies relating to the planting, protection and maintenance of public trees.

**TREE
SERVICE
REQUEST
PROCEDURES**

1. Requests for the pruning, removal or other treatment of public trees are typically received from the adjoining property owners, but also may be initiated by Borough departments and personnel.
2. All service requests are processed in the following manner:
 - a) Calls are received by or forwarded to the Department of Public Works.
 - b) Service requests are evaluated and prioritized based on the nature of the problem and the urgency of the request.
 - c) For tree pruning requests:
 - i) A work order is generated and scheduled for completion. Typically, all trees at the location are pruned at the same time.
 - ii) If the tree does not require pruning, no work is completed and the work order is closed.
 - iii) If, in the opinion of the Tree Crew, the tree should be removed rather than pruned, the work order is returned and added to the removal inspection list.
 - d) For tree removal requests:
 - i) An "Inspect" work order is generated.
 - ii) All trees are inspected by the Superintendent of Public Works and/or the Shade Tree Commission prior to removal.
 - iii) If the request is valid, a work order for removal is generated and scheduled for completion on a prioritized basis.
 - iv) If necessary, the tree will be "safety trimmed" and made safe until the tree can be removed fully.
3. All necessary work is completed by the Department of Public Works' contractor or in-house Tree Crew.

**2007 – 2012
OBJECTIVES**

4. Emergency service requests are responded to immediately. All others are completed in order of priority, as time and resources permit.
5. Information on all trees at the requester's location is updated in the Borough's Street Tree Inventory at the time work is completed. If trees at the requester's location are not yet included in the Borough's Street Tree Inventory database, data is collected and added to the inventory, along with a record of the service request and the action taken.

1. Ongoing Administrative Programs

a) 2007 – 2012

- i) Continue implementing the existing administrative programs, policies and procedures already in effect with changes dictated by the following objectives.

2. Shade Tree Commission Internal Review of Policies & Procedures

a) October – December 2007

- i) Complete discussions already in progress to solidify an understanding of and agreement on the official and proposed policies and procedures of Haddonfield's Shade Tree Program for the benefit of new and future members of the Shade Tree Commission. Items for discussion should include, but not be limited to:
 - resident tree service request procedures
 - Haddonfield's tree removal policy
 - priorities for street tree plantings
 - mature size and species of trees to be planted under utility wires
 - public donation of commemorative trees
 - homeowner cost-share programs
- ii) Draft official written policies and procedures for critical new Shade Tree Program initiatives, including:
 - public donation of commemorative trees
 - Homeowner Tree-Removal Cost-Share Program
- iii) Seek and incorporate the input of the Mayor and Commissioners, the Borough Administrator and other Borough departments and boards, as appropriate.
- iv) Finalize and adopt official policies and procedures for the new Shade Tree Program initiatives.

b) January – December 2008

- i) In conjunction with the Department of Public Works, develop standard response letters for resident service requests regarding:
 - tree planting
 - tree pruning
 - tree removal
 - other common requests or inquiries, as identified
- ii) Seek and incorporate the input of the Mayor and Commissioners, the Borough Administrator and other Borough departments and boards, as appropriate.
- iii) Finalize and incorporate new standard response letters into the existing Service Request Procedures.

3. Shade Tree Program FAQs

a) October – December 2007

- i)** Concurrent with the *Shade Tree Commission Internal Review of Policies & Procedures*, draft a "Frequently Asked Questions" (FAQs) section for the Borough website that addresses public concerns and common inquiries regarding Haddonfield's Shade Tree Program.
- ii)** The FAQs web page should address standard, longstanding Shade Tree Program policies and procedures, as well as newly adopted policies and procedures for new Shade Tree Program initiatives, including:
 - resident tree service request procedures
 - Haddonfield's tree removal policy
 - resident tree planting request procedures
 - public donation of commemorative trees
 - Homeowner Tree-Removal Cost-Share Program
- iii)** Seek and incorporate the input of the Mayor and Commissioners, the Borough Administrator and other Borough departments and boards, as appropriate.
- iv)** Finalize and publish the Shade Tree Program FAQs page on the Borough website.

b) January – December 2008

- i)** Continue drafting, review and publishing of additional Haddonfield Shade Tree Program FAQs on the Borough website, as identified and necessary.

4. Ordinance, Site Plan & Master Plan Review Procedures

a) January – December 2009

- i)** Develop and begin implementing procedures to ensure that the Shade Tree Commission receives, reviews and comments on all appropriate ordinances and site plan applications that concern the Borough's shade tree resources. The process of developing these procedures will include:
 - Identifying the appropriate boards and commissions that operate within the Borough.
 - Opening a productive dialog between these organizations, identifying the areas of overlap concerning the Borough's shade tree resources and clarifying the appropriate processes and venue(s) for resolving such areas of overlap.
- ii)** Identify the best means to develop a formal link between the Borough Master Plan and the Community Forestry Management Plan, including possible input by the Shade Tree Commission during the next reexamination of the Borough Master Plan.
- iii)** Document any new procedures affecting the activities of the Shade Tree Commission.



Budget & Resources

OVERVIEW

The following is a summary of the average annual resources available to Haddonfield Borough's Shade Tree Program in recent years.

Certain objectives contained within this Plan will require resources beyond those listed below. The Borough's ability to fully satisfy these objectives may be dependent upon its ability to secure additional funding through internal or external sources.

EMPLOYEE SALARY & WAGES

Department of Public Works Personnel
Administrative Personnel

Subtotal (total salary and benefits prorated by percent of time dedicated to the Shade Tree Program) \$100,500.00

OPERATIONS

Materials and Supplies
Contractor Services
Training & Professional Development
Other Miscellaneous Expenses

Subtotal \$210,200.00

BOROUGH EQUIPMENT

(1) Bucket Truck
(1) Chipper
(1) Chip Truck
(1) Large Stump Grinder
(1) Small Stump Grinder
(1) Watering Truck
(1) Front End Loader
Various chainsaws
Miscellaneous Small Tools

Subtotal (estimated annual value based on value amortized over 5–15 year service life, plus annual maintenance, repairs, etc. and prorated by percent of time used by the Shade Tree Program) \$76,000.00

TREE PLANTING

Trees purchased by the Borough
Contracted planting

Subtotal \$12,000.00

TREE WASTE RECYCLING	Chipping and Grinding Services	
	Tipping and Trucking Costs	
	Facilities Maintenance	
	Leaf Composting	
	<i>Subtotal</i>	\$4,500.00

VOLUNTEER SERVICES	(5) Shade Tree Commission Members and (2) Alternates	
	<i>Subtotal (300 hours per year @ \$18.04)</i>	\$5,412.00

TOTALS	Borough Resources	\$403,200.00
	Value of Volunteer Services	\$5,412.00



Training & Professional Development

TRAINING & PROFESSIONAL DEVELOPMENT GOALS

1. Ensure that individuals within the Shade Tree Program have sufficient knowledge to make sound and effective management decisions.
2. Ensure that tree inspections and evaluations follow accepted standard procedures and that the results are objective, technically correct and consistent.
3. Ensure that programs are implemented using the latest technical information and industry accepted standard practices.
4. Ensure continuity in the overall level of knowledge and expertise within the Shade Tree Program as individuals leave the Program and new ones join.
5. Satisfy the requirements of the New Jersey Shade Tree & Community Forestry Assistance Act, Training Skills & Accreditation Program without interruption, making the Borough eligible for its benefits.

EXISTING PROGRAMS, POLICIES & PROCEDURES

1. **Training Provisions & Funding**
 - a) The Borough provides training and professional development opportunities relating to arboriculture and urban forestry for employees and volunteers serving within the Shade Tree Program. This includes continuing education as required under the New Jersey Shade Tree & Community Forestry Assistance Act.
 - b) The cost of training is covered by the operating budget of the attendee's respective commission or department.
2. **NJ Community Forestry's Training Skills & Accreditation Program**
 - a) At the time this Plan was prepared, four individuals had satisfied the CORE Training requirements of the New Jersey Shade Tree & Community Forestry Assistance Act Training Skills & Accreditation Program including:
 - i) 2 Borough employees
 - ii) 0 elected officials
 - iii) 2 program volunteers
3. **Other Training**
 - a) Members of the Shade Tree Commission and Department of Public Works regularly attend professional meetings and seminars to receive training covering a variety of urban forestry subjects, such as the New Jersey Shade Tree Federation Annual Meeting.
 - b) Employees of the Department of Public Works are provided with ongoing safety and related training.
4. **Current Expertise, Licenses & Certifications**
 - a) Members of the Shade Tree Commission and Borough employees do not currently hold licenses or certifications directly related to arboriculture and urban forestry, and are not required to.

**CURRENT
TRAINING
NEEDS**

The Borough has determined that the following training is currently needed for employees and volunteers within the Shade Tree Program:

1. CORE Training for the Borough's new Tree Crew and the newly appointed members of the Shade Tree Commission.
2. Qualified Line Clearance Tree Trimmer training for the Department of Public Works Tree Crew.
3. Additional tree hazard identification and assessment training for Shade Tree Commission members and Department of Public Works personnel.
4. Mature tree pruning in accordance with ANSI A300 Standards for the newly hired Department of Public Works Tree Crew.
5. Young tree pruning in accordance with ANSI A300 Standards for encouraging the development of structurally sound and non-conflicting branch structure in young trees for Shade Tree Commission members and Department of Public Works personnel.

**2007 – 2012
OBJECTIVES**

1. **Ongoing Training Programs**
 - a) *2007 – 2012*
 - i) Continue all existing training programs on a consistent basis.
 - ii) Maximize the number of different individuals who increase their level of knowledge.
2. **NJ Community Forestry's Training Skills & Accreditation Program**
 - a) *January – March, Annually*
 - i) Review training needs relative to upcoming training opportunities.
 - ii) Ensure that the Borough will accumulate the necessary continuing education credits as required under the New Jersey Shade Tree & Community Forestry Assistance Act by the end of each year.
 - iii) Schedule CORE Training for additional individuals, as necessary, to:
 - Maintain at least two CORE trained Borough employees or elected officials and at least two CORE trained volunteers.
 - Ensure that all new appointees to the Shade Tree Commission complete CORE training within the first three years of their appointment.
 - Ensure that all new DPW Tree Crew members complete CORE training within the first three years of their employment.
3. **Qualified Line Clearance Tree Trimmer Training**
 - a) *January – December 2008*
 - i) Train at least one member of the new Department of Public Works Tree Crew to be certified as a Line Clearance Tree Trimmer by an approved certification program.
4. **Tree Hazard Evaluation Training**
 - a) *January – December 2009*
 - i) Train at least one appropriate Shade Tree Commission member and/or Department of Public Works Tree Crew member to refresh and further advance their skills in identifying and evaluating the severity of tree hazards.
 - b) *January – December 2011*
 - i) Train another appropriate Shade Tree Commission member and/or Department of Public Works Tree Crew member to refresh and further advance their skills in identifying and evaluating the severity of tree hazards.

5. Mature Tree Pruning Training

a) *January – December 2010*

- i)** Train at least one Department of Public Works Tree Crew member in the proper pruning of mature trees in accordance with ANSI A300 standards, including the development of pruning objectives, hands-on techniques, and tree worker safety.

6. Developmental Pruning Training

a) *January – December 2010*

- i)** Train at least two Shade Tree Commission members and/or Department of Public Works Tree Crew members in pruning for young trees in accordance with ANSI A300 standards to promote the development of a structurally sound trunk and crown form, minimize conflicts with roads and utilities, and minimize the need for severe pruning as the trees mature.
- ii)** To the extent feasible, preference will be given to an in-house, hands-on training session by a NJ Certified Tree Expert in conjunction with the actual pruning of Borough trees.



Public Education, Awareness & Outreach

PUBLIC EDUCATION, AWARENESS & OUTREACH GOALS

1. Increase and maintain public interest and support for Haddonfield's Shade Tree Program.
2. Encourage the public's assistance in implementing various programs, protecting public trees, and beautifying the Borough.
3. Encourage the planting, protection and proper care of trees on private property for the benefit of the entire community.
4. Educate citizens in the value of environmental stewardship.

EXISTING PROGRAMS, POLICIES & PROCEDURES

1. **Arbor Day**
 - a) Formal Arbor Day celebrations have been held annually in Haddonfield since 1993.
 - b) Annual Arbor Day programs are organized by the Superintendent of Public Works and have involved the Borough Commissioners, the Borough's tree maintenance contractors and others.
 - c) Past programs have included:
 - i) Tree planting ceremonies.
 - ii) Activities and programs for nursery school and kindergarten students.
 - iii) Press releases to announce and summarize the programs.
2. **Tree City USA**
 - a) Haddonfield has received the Tree City USA award through the National Arbor Day Foundation every year since 1993.
3. **Property Owner Relations**
 - a) The Shade Tree Program has developed form letters to keep property owners informed of its activities. Currently, these include:
 - i) A letter informing adjacent property owners of plans to plant street trees.
 - ii) A letter hand-delivered to adjacent property owners at the time of planting informing them of the species and age of the tree and providing detailed instructions for watering and protection.

2007 – 2012 OBJECTIVES

1. **Ongoing Public Education, Awareness & Outreach Programs**
 - a) *2007 – 2012*
 - i) Continue implementing the existing programs, policies and procedures listed above to maintain the Shade Tree Program's visibility and maximize the number of people and groups who are reached.
 - ii) Continually review all existing programs and materials and update them, as necessary.

- 2. Annual Arbor Day Programs**
 - a) January – April, Annually**
 - i)** Continue to organize and conduct annual Arbor Day celebrations.
- 3. Tree City USA**
 - a) October – December, Annually**
 - i)** Continue to submit the annual application for designation as a Tree City USA through the National Arbor Day Foundation.
 - ii)** Identify the eligibility requirements of the Tree City USA Growth Award program and prepare and submit an application, if appropriate.
 - iii)** Continue to advertise the designation throughout the Borough and in other public relations materials (road signs, plaques, truck decals, stationary logo, etc.).
- 4. Shade Tree Program FAQs**
 - a) January – March 2008**
 - i)** Advertise the availability of information about the Borough's Shade Tree Program on the *Shade Tree Program FAQs* page of the Borough's Internet Website by submitting an article or press release to the local newspaper and/or the "Municipal Matters" section of the Borough Website.



Tree Inventory & Assessment

TREE INVENTORY & ASSESSMENT GOALS

1. Provide accurate baseline information necessary for making sound management decisions and upon which proactive management programs can be established or improved.
2. Improve the efficiency of day-to-day tree management activities by identifying, prioritizing and scheduling planting, replanting, maintenance, and hazard abatement needs.
3. Track management activities and evaluate their long-term impact on the tree population and progress toward the overall goals and objectives of the Shade Tree Program.
4. Maintain records of maintenance for individual trees.

EXISTING PROGRAMS, POLICIES & PROCEDURES

1. *Current Tree Inventory & Assessment*

- a) The Borough has continued the process of completing an inventory and assessment of its existing shade tree resource.
 - i) Whenever a tree is inspected or treated in response to a service request, or whenever a new tree is planted, all of the trees at that address are inventoried and evaluated and the resulting data is added to the Street Tree Inventory database.
 - ii) All data is stored in an ACRT *Tree Manager* database maintained by the Department of Public Works.
 - iii) At the time this plan was written, approximately 6,900 (60% - 70%) of the estimated 10,000 – 11,000 Borough street trees had been inventoried.
- b) A current assessment of the Borough's street tree population and how it has changed over the past five years is provided on pages 5 and 6.
- c) The Borough currently lacks a comprehensive assessment of trees in Borough parks, on public properties, and on private lands.
- d) The Borough has learned that support levels are shifting for ACRT's *Tree Manager* software, and is concerned about the long-term usability of this system for its inventory and tree management needs.

2. *Inventory Utilization*

- a) The computerized Street Tree Inventory database is used on a daily basis by the Department of Public Works to:
 - i) Record service requests received by the Department.
 - ii) Prioritize and schedule service request work.
 - iii) Produce work orders for the Department of Public Works Tree Crew.
 - iv) Maintain records of completed maintenance for individual trees.

2007 – 2012 OBJECTIVES

1. *Ongoing Tree Inventory & Assessment Programs*

- a) *2007–2012*
 - i) Continue inventorying and assessing existing trees as they are inspected or

treated and entering the resulting data in the *Tree Manager* system as described above, with changes dictated by the following objectives.

- ii) Continue using the Street Tree Inventory database to record, prioritize and schedule tree service requests and systematic maintenance programs and to maintain records of inspections and work completed.

2. Street Tree Inventory System Review

a) October 2007 – March 2008

- i) Identify, review and evaluate other software systems for their ability to handle the tree inventory and tree management requirements of the Borough's Shade Tree Program, in order to maintain and improve data retrieval and updating for long-term tree management and reporting tasks. Features to consider in the evaluation should include:
 - Data migration and other implementation issues.
 - The ability to adapt to near-term technology advances, including the soon to be completed GIS mapping of the Borough.
 - The ability to log service requests received from the public as they are received directly into the system.
 - The ability to track and immediately check on the status of service requests and work orders.
 - The ability to create work orders for individual trees or en mass for an entire street, a certain species, etc.
 - The ability to maintain records of work completed for individual trees.
 - The ability to create a wide variety of up-to-the-minute data summaries and reports for the entire tree population or for any subset of it based on user-defined selection and filter criteria.
 - The availability and compatibility of a hand-held data recorder to reduce or eliminate the need for time consuming data entry in completing the Street Tree Inventory & Assessment Completion objective.
 - The availability of long-term technical support for the database system so that a transfer of this kind will not have to be made again.
- ii) Evaluate the short and long-term costs and benefits of making such changes to the current inventory system.

b) April – September 2008

- i) If deemed appropriate, purchase and setup the new inventory software.
- ii) Migrate the existing data to the new software system.
- iii) Train the appropriate personnel to use the new system.

c) October – December 2008

- i) Produce a variety of data summaries to characterize the current state of the street tree population (species composition, age distribution, etc.) for comparison as the inventory is completed.
- ii) Begin adjusting existing management practices based on the findings.
- iii) Begin utilizing the new system in long-term planning and day-to-day management efforts.

3. Street Tree Inventory & Assessment Completion

a) January – March 2008

- i) Using the data in the current Street Tree Inventory database discuss and set preliminary plans for completing the Street Tree Inventory in the most efficient way possible using Shade Tree Commission members and selected volunteers.

- ii) Develop plans and schedules to complete the inventory of all Borough street trees.
 - b) *April – December 2008*
 - i) Organize and train Shade Tree Commission members and selected volunteers.
 - ii) Conduct several “test” inventories to determine whether this is the best and most efficient method for completing the Street Tree Inventory. Consideration should be given to:
 - Whether the remainder of the inventory can be completed by the Shade Tree Commission and other volunteers, or if it will be necessary to hire a consultant.
 - Whether to only inventory trees at addresses that are not currently in the database or to update the tree information at all addresses.
 - How to prioritize the completion of the Street Tree Inventory by sections of the Borough.
 - How long the update is estimated to take.
 - iii) Modify the inventory plans as appropriate to address the findings of the “test” inventories.
 - c) *April – December 2009*
 - i) Complete all necessary field data collection in the first section of the Borough as dictated by the inventory plan set as a result of the “test” inventories.
 - ii) Complete all necessary data entry work concurrently, if applicable.
 - iii) Produce a variety of charts and reports that summarize the current state of the tree population in the completed section of the Borough. Management reports should include:
 - Tree species and age composition
 - Hazardous trees
 - Bacterial leaf scorch
 - Other useful reports, as identified
 - iv) Use these reports as a baseline to which future reports can be compared and upon which the impact of management activities in that section of the Borough can be evaluated.
 - v) Make any adjustments necessary to improve the procedures used, and plan for the inventory of the next section of the Borough.
 - d) *2010 – 2012*
 - i) Complete the inventory and assessment of subsequent sections of the Borough each year until the inventory is complete.
 - ii) Produce a variety of charts and reports each year to keep track of overall progress in addressing tree species and age composition goals, hazard tree management, bacterial leaf scorch, etc.



TREE HAZARD MANAGEMENT GOALS

1. Minimize the risk of trees to public safety.

EXISTING PROGRAMS, POLICIES & PROCEDURES

2. **Tree Hazard Identification**

- a) Hazardous tree conditions are generally identified via:

- i) Service requests from adjacent property owners.
- ii) Observations by the Superintendent of Public Works and his crews during the course of their daily activities.
- iii) Observations made by Shade Tree Commission members during their annual windshield survey for planting sites.

3. **Tree Hazard Abatement Procedures**

- a) Work orders are created for potentially hazardous trees using the *Tree Manager* inventory system as soon as they are identified.
- b) These work orders are prioritized and completed immediately, when time and available resources permit, or at the appropriate time in the future, based upon the degree of hazard potential.

4. **Record Keeping**

- a) Records of all tree maintenance and hazard abatement work are maintained in the *Tree Manager* inventory system by the Department of Public Works.

2007 – 2012 OBJECTIVES

1. **Ongoing Tree Hazard Management Programs**

- a) *2007 – 2012*
 - i) Continue to implement all existing tree hazard management programs, policies and procedures.
 - ii) Continue to address hazard abatement needs as they are identified in order of priority.

2. **Tree Hazard Evaluation Training**

see *Training & Professional Development, Objective #4*

3. **Tree Hazard Survey Program**

- a) *January – March 2011*
 - i) Develop formal procedures and schedules for routinely surveying all street trees to identify potential hazards.
 - ii) Specific procedures and schedules will depend upon the needs identified and an evaluation of past experience (i.e. high use areas and areas with a large volume of mature oaks that have symptoms of bacterial leaf scorch more frequently and more intensively than low use wooded areas, whether or

not to include private trees that may threaten public rights-of-way, etc.).

- iii) Inspections will typically involve a “windshield survey” of most trees, with a more detailed look at individual trees that were previously identified as having potential problems or declining in health, or located in high use areas.

b) April – June 2011

- i) The Tree Hazard Survey Program should be used as an opportunity to update the inventory data once the full inventory is completed. If necessary, depending upon the procedures set, develop a means of providing inspectors with an inspection “checklist” to ensure that all trees are efficiently observed during each inspection cycle. This checklist should include current inventory data for each tree, such as location, species, size, condition rating, maintenance history, etc.
- ii) Develop a procedure for ensuring that a record of each hazard inspection is made in the Street Tree Inventory database and any observations and maintenance needs are accurately recorded and promptly addressed.
- iii) Develop any forms that may be necessary to record observations and maintenance needs in the field and submit to the Department of Public Works for entry into the inventory system.

c) July 2011 – 2012

- i) Begin and continue implementing the formalized Tree Hazard Survey Program, beginning in the sections of the Borough where the Street Tree Inventory & Assessment has been completed.

TREE PLANTING GOALS

1. Achieve and perpetuate the street and public tree populations at maximum practical stocking (the total number of shade trees that is appropriate and which the Borough can effectively manage, given available resources).
2. Optimize and maintain tree species and age diversity to maintain long-term stability in the public tree population.
3. Minimize conflicts between trees and sidewalks, utilities and other public and private fixtures.
4. Minimize future maintenance needs and costs.
5. Improve aesthetic appeal, seasonal variation and physical benefits to adjacent properties and the Borough overall.

EXISTING PROGRAMS, POLICIES & PROCEDURES

1. ***Planting Jurisdiction***
 - a) The Borough currently plants trees:
 - i) In Borough rights-of-way.
 - ii) In Borough parks.
 - iii) On Borough-owned properties.
 - iv) On Borough school grounds.
2. ***Planting vs. Removal Ratio***
 - a) Since 2003, the Borough has planted approximately 100 trees each year.
 - b) Over the same time period, the Borough has also removed an average of 100 trees each year.
 - c) Although this appears to show a relatively stable street tree population, it does not completely reflect the rapid decline that is occurring in the red and pin oak populations due to bacterial leaf scorch.
3. ***Planting Location & Tree Placement***
 - a) Planting locations are identified via:
 - i) An annual survey of Borough streets conducted by the Shade Tree Commission.
 - ii) Planting requests from adjacent property owners.
 - iii) Planting plans and designs for special projects and needs for parks and public properties, as determined by the Superintendent of Public Works.
 - b) All street trees are planted within the right-of-way.
 - i) Placement is selected and marked in the field by the Shade Tree Commission.
 - ii) Trees are not planted, however, until the placement has been inspected and approved by the Superintendent of Public Works with respect to potential hardscape, utility and traffic conflicts.
 - iii) The Borough will not plant a tree if the adjacent property owner objects, unless the area is in particular need of planting.
 - c) Tree placement in parks and on Borough properties, when applicable, is

determined by the Superintendent of Public Works.

4. Species Selection

- a) Species are selected:
 - i) By the Shade Tree Commission for planting along Borough streets.
 - ii) By the Superintendent of Public Works for planting in parks and on other Borough properties.
- b) In all cases, species are selected with consideration to:
 - i) Existing soil conditions and available growing space.
 - ii) Insect and disease resistance, with special emphasis on species resistant to bacterial leaf scorch.
 - iii) Future maintenance requirements and past species performance.
 - iv) Improving the overall species diversity of the Borough's tree resource.

5. Tree Supply & Installation

- a) Trees planted by the Borough are:
 - i) Purchased by the Borough directly from the grower or wholesaler.
 - ii) Installed by a private contractor under the supervision and to the detailed specifications of the Superintendent of Public Works.
- b) In the past, a small number of trees were periodically provided by the County for planting on county roads within the Borough. The County has not provided trees in the last several years.
- c) Property owners may plant trees within the Borough right-of-way after making formal application to and receiving approval from the Shade Tree Commission.

6. Post-Planting Care

- a) Post-planting maintenance includes:
 - i) Irrigation and protection of street trees by adjacent property owners in accordance with detailed instructions delivered at the time of planting.
 - ii) Irrigation of trees planted on Borough properties by Department of Public Works personnel.
 - iii) Trunk guard removal and re-mulching, as necessary, by Department of Public Works personnel.

7. Funding

- a) All tree planting by the Borough is funded by the Department of Public Works budget.

2007 – 2012 OBJECTIVES

1. Ongoing Tree Planting Programs

- a) *2007 – 2012*
 - i) Continue implementing all existing tree planting programs, policies and procedures listed above on a regular basis.
 - ii) Continually adjust procedures for shade tree plantings as necessary to meet the goals and objectives of this Plan.

2. Street Tree Species Composition Guidelines

- a) *July - December 2008*
 - i) Using current tree inventory data, establish a long-term goal for an optimum street tree species mix that provides sufficient genus and species diversity, provides insect and disease resistance, etc. Ideally:

- No single genus should comprise more than 10%-15% of the street tree population.
 - No single species should comprise more than 5%-10% of the street tree population.
 - No single cultivar should comprise more than 1%-2% of the street tree population.
 - A variety of improved, insect and disease resistant cultivars should be favored over historically problematic species.
 - Red, pin and scarlet oak should be avoided due to bacterial leaf scorch.
- ii) Establish intermediate progress goals for altering the existing street tree species composition by the end of each five-year management period (e.g. reducing maples by 5% by 2012, keeping the number of species used for new plantings below 5% each, etc.) to help maintain consistent progress toward the long-term goal.
- b) 2009 – 2012
- i) Design and complete planting programs in accordance with the species composition goals set.
 - ii) Continually seek and experiment with new species and cultivars.
 - iii) Vary the species planted from year to year to provide species diversity over all age classes.

3. **Street Tree Stocking & Age Structure Guidelines**

- a) *July – December 2008*
- i) Using existing tree inventory data and current vacant planting site lists, calculate “maximum practical stocking” – the maximum number of public trees that the Borough can effectively manage in accordance with all elements of this Plan, given available resources.
 - ii) Calculate the number of trees that must be planted each year to achieve and/or maintain maximum practical stocking over 10, 20, 30, and 40 years with realistic allowances for existing tree mortality, transplant mortality, etc.
 - iii) Establish appropriate planting priorities for maintaining maximum practical stocking based on these calculations. Although the tendency is to plant more trees faster, achieving maximum practical stocking over a longer period of time will result in more age diversity and more stability in the tree population over the long-term.
 - iv) Establish intermediate progress goals for adjusting the level of stocking during each five-year management period to maintain consistent progress toward the long-term stocking goal.
- b) 2009 – 2012
- i) Design and complete planting programs in accordance with the stocking goals set.
 - ii) Incorporate these findings and goals into justification for annual budget requests.
 - iii) Continually seek internal and external sources of additional funding to help ensure that the appropriate planting rate is maintained annually.

**TREE
MAINTENANCE
GOALS**

1. Improve and maintain the long-term health and condition of the Borough's shade tree population.
2. Maximize the service life of existing trees.
3. Minimize tree hazards and maintain public safety.
4. Maximize the benefits that trees provide to the community relative to the cost of maintaining them.

**EXISTING
PROGRAMS,
POLICIES
& PROCEDURES**

1. *In-House Crews*

- a) At the time this Plan was written, Haddonfield Borough had just hired a two-person in-house Tree Crew to complete all tree pruning needs for the Borough.
- b) Department of Public Works personnel also complete other tree maintenance tasks, including stump grinding and storm damage cleanups.
- c) The Department of Public Works Tree Crew, once fully established, will focus the majority of their effort on tree pruning and stump grinding work and complete the majority of emergency response work, when necessary. They will complete approximately:
 - i) 10% of all tree removal work
 - ii) 100% of all tree pruning work
 - iii) 80% of all stump grinding work
 - iv) 95% of all emergency response, miscellaneous and specialty tree work
- d) Department of Public Works crews are currently equipped with:
 - i) (1) Bucket Truck
 - ii) (1) Chipper
 - iii) (1) Chip Truck
 - iv) (1) Large Stump Grinder
 - v) (1) Small Stump Grinder
 - vi) (1) Watering Truck
 - vii) (1) Front End Loader
 - viii) Various chainsaws
 - ix) Miscellaneous Small Tools

2. *Private Contractors*

- a) The Department of Public Works currently utilizes a contracted tree crew on a performance based contract to complete tree removals in the Borough.
- b) It is anticipated that, in time, the new in-house Tree Crew will be able to expand its scope of work to include tree removals.
- c) Private contractors working on behalf of the Borough, once the Department of Public Works Tree Crew is fully established, will complete most of the tree removals and a portion of stump grinding, emergency response and other specialty tree work. It is estimated that private contractors will complete approximately:

- i) 90% of all tree removal work
 - ii) 0% of all tree pruning work
 - iii) 20% of all stump grinding work
 - iv) 5% of all emergency response, miscellaneous and specialty tree work
- d) This crew is on call to provide emergency service during non-working hours.

3. Inter-Local & Mutual Assistance Agreements

- a) The Borough cooperates with PSE&G in the pruning and removal of trees around their electrical lines.
- b) The Borough has explored formal mutual assistance agreements for the sharing of equipment and personnel with neighboring municipalities in the past, and is willing to explore such agreements again, if appropriate.

4. Scheduled Maintenance Programs

- a) The Department of Public Works has implemented programs in the past for the systematic pruning of all trees within a section of the Borough. However, these programs have not been implemented regularly or consistently, largely due to the increasing and overwhelming pruning and removal needs resulting from trees declining due to bacterial leaf scorch.

5. Work Identification, Prioritization, Scheduling & Record Keeping

- a) Currently, most maintenance needs are identified via service requests from adjacent property owners and observations by Borough employees and the Shade Tree Commission. These needs are recorded, prioritized, scheduled and recorded as described in *Shade Tree Program Administration – Service Request Procedures* on page 12.

6. Tree Removal

- a) It is the Borough's policy not to remove live public trees unless they pose a threat to public safety.
 - i) Trees may not be removed without the approval of the Shade Tree Commission.
 - ii) The Superintendent of Public works is, however, authorized to remove public trees when they are dead or dangerous.
- b) In recent years, the Borough has removed an average of 100 public trees per year.

7. Insect and Disease Management & Specialty Treatments

- a) Bacterial leaf scorch, caused by *Xylella fastidiosa*, continues to be a serious concern for pin and red oaks throughout the Borough. However, no treatments are currently available short of the removal of deteriorating trees.

8. Sidewalk Maintenance

- a) Adjacent property owners are responsible for replacing or repairing unsafe sidewalks, including those damaged or lifted by tree roots from Borough trees.
 - i) Currently, owners of residential and most commercial properties pay private contractors for the full cost of sidewalk replacement and repair. However, a limited program was implemented recently for the Kings Highway business district. During a Borough project to improve tree wells, property owners could choose to have sidewalk replacement outside the tree well area done by contractors working for the Borough and reimburse the Borough for half the cost.
 - ii) Root pruning needed to allow the repair of sidewalks by homeowners is completed by the Borough's tree maintenance contractor to help minimize

**2007 – 2012
OBJECTIVES**

tree damage.

- b) To help minimize future tree and sidewalk conflicts, the Borough:
 - i) Attempts to select species and place trees in a manner that "fits" each site.
 - ii) Has and will continue to experiment with various root control and barrier products.

9. Funding

- a) The Department of Public Works operating budget typically covers the cost of tree maintenance completed by its crews and contractors.

1. Ongoing Tree Maintenance Programs

- a) *2007 – 2012*
 - i) Continue implementing all applicable existing tree maintenance programs, policies and procedures on a regular basis.
 - ii) Conduct Scheduled Maintenance Programs of systematic, area-wide pruning when time and resources permit, and in accordance with the following objectives.

2. Homeowner Tree Removal Cost-Share Program

- a) *October – December 2007*
 - i) Develop procedures for a cost-share program between the Borough and residents to help pay for and expedite street tree removals necessitated by bacterial leaf scorch and other tree hazards.
 - ii) This program will allow residents to hire an outside contractor to remove Borough trees adjacent to their property, with the stipulations that tree removals must be approved by the **Superintendent of Public Works**, and will be reimbursed by the Borough for 50% of the cost up to \$1,000.00.
 - iii) Once policy and procedures for this new cost-share program are in place, advertise the availability of the program and begin implementing it.

3. Scheduled Maintenance Programs

- a) *January – December 2010*
 - i) Utilizing the new in-house Tree Crew and the findings of the completed section(s) of the Street Tree Inventory & Assessment, establish and conduct a systematic pruning rotation in which all public trees are pruned on a set cycle.
 - ii) Begin the pruning cycle in the first completed section of the Street Tree Inventory & Assessment, prioritized by the findings.
 - iii) Include young tree developmental pruning in each section of the rotation.
- b) *2011 – 2012*
 - i) Continue the Scheduled Maintenance Program in subsequent sections of the Borough until all sections have been completed.



TREE WASTE RECYCLING GOALS

1. Reduce the cost of tree waste disposal.
2. Provide beneficial recycled products to Borough residents and for use on Borough properties.

EXISTING PROGRAMS, POLICIES & PROCEDURES

1. **Recycling Facilities**
 - a) The Department of Public Works currently stockpiles some wood and recycled wood products at their maintenance yard.
 - b) The remaining materials are transported to outside recycling facilities for processing and distribution.
2. **Material Processing, Use & Distribution**
 - a) *Leaves*
 - i) Approximately 12,000 – 14,000 cubic yards of leaves are delivered to the Township of Gloucester Municipal Utilities Authority, which acts as the lead recycling agency for Camden County, for composting at a cost of \$3.00 per cubic yard.
 - ii) The Borough buys back a portion of the resulting compost and stockpiles it for:
 - Pickup and use by property owners at no cost.
 - Use by the Borough as a soil conditioner on athletic fields, with plantings, etc.
 - b) *Wood Chips*
 - i) Some wood chips are stockpiled for pickup and use by property owners as mulch.
 - ii) The remaining wood chips are delivered to the Camden County Conservation Center. These wood chips are used for composting operations.
 - c) *Bulk Wood*
 - i) Bulk wood is delivered to a private recycling facility in Elmer, NJ, where it is ground into decorative mulch and other products.
 - ii) At the time that a tree is removed, firewood is left for the residents at no cost if the homeowner requests.
3. **Recycling Income**
 - a) Currently, no income is derived from the sale of tree waste materials or recycled products.

2007 – 2012 OBJECTIVES

1. **Ongoing Tree Waste Recycling Programs**
 - a) *2007 – 2012*
 - i) Continue implementing all existing tree waste recycling programs, policies and procedures.

2. Secondary Usage Sale of Oaks

a) January – December 2011

- i)** Explore possible secondary usage sale of oaks requiring removal due to bacterial leaf scorch infection as a means of defraying the costs of tree removal and tree waste disposal. Possible uses to explore include:
 - low grade lumber
 - hardwood mulch
 - pellet stove fuel

b) January – September 2012

- i)** If feasible, begin incorporating secondary usage sale of oaks into existing tree waste recycling programs.

**TREE CARE
DISASTER PLAN
GOALS**

1. Minimize tree-related damage and/or widespread tree losses caused by storms and other forces via technically sound and responsible planting, preventive maintenance and hazard identification and abatement.
2. Provide the Borough with the resources to repair or replace widespread tree damage or losses.
3. Ensure that the Borough is prepared to respond immediately to tree-related emergencies and disasters in a prompt and effective manner.

**EXISTING
PROGRAMS,
POLICIES
& PROCEDURES**

1. **Tree Emergency & Disaster Threats**
 - a) The Borough currently recognizes mass damage and uprooting during severe weather and tree decline and death due to bacterial leaf scorch infection as the primary wide-scale threats to its trees.
 - b) In addition to the threat to the tree population itself, storm-related tree failures also pose a serious potential threat to electrical service, communications and travel and may hinder the Borough's ability to provide vital services during an emergency or disaster.
 - c) Widespread losses of oaks and other species to bacterial leaf scorch continue to be a serious problem in Haddonfield and throughout southern and central New Jersey.
 - d) In addition to causing the decline and eventual death of the tree, bacterial leaf scorch predisposes affected trees to damage from severe weather as well as other disease and insect problems.
2. **Existing Emergency & Disaster Plans**
 - a) The Borough's state-mandated Emergency Management Plan outlines procedures for vital services and cooperative efforts between all Borough departments during any emergency or disaster.
 - b) The Borough currently lacks a formal plan specific to the repair and replacement of widespread tree damage and losses beyond initial emergency response efforts. However, the Borough:
 - i) Selects species and places new trees in a manner that will help reduce future storm damage and uprooting.
 - ii) Has been selecting resistant species for planting to help insulate the tree population from the threat of bacterial leaf scorch in the future.
3. **Emergency Response**
 - a) In accordance with Borough procedures, the Department of Public Works and their contractor are on call to respond to tree-related emergencies and to clear trees and debris to open roadways and permit restoration of electrical service and communications.

**2007 – 2012
OBJECTIVES**

1. Ongoing Programs

a) 2007 – 2012

- i)** Continue implementing the existing programs, policies and procedures listed above.



Plan Preparation & Evaluation

PLAN PREPARATION & EVALUATION GOALS

1. Ensure that Haddonfield's Shade Tree Program continues to follow a well-defined, consistent and efficient course of action toward its overall goals and objectives.
2. Provide a means of continually evaluating the success of past programs and activities and making adjustments to address changing conditions and needs.
3. Allow the Borough to remain in compliance with and eligible for the benefits of the New Jersey Shade Tree & Community Forestry Assistance Act.

EXISTING PROGRAMS, POLICIES & PROCEDURES









1. Preparation of this second five-year Community Forestry Management Plan was the cooperative effort of the Borough of Haddonfield Department of Public Works and Shade Tree Commission and their consulting arborist.
2. Goals and objectives contained in this Plan are based on the ongoing evaluation of the Borough's implementation of its 2002 – 2007 Plan.
3. Preparation of this Plan was made possible by funds provided by the Borough of Haddonfield and the in-kind services of Shade Tree Program volunteers and Borough employees.

2007 – 2012 OBJECTIVES

1. **Annual Program Evaluation**
 - a) *December, Annually*
 - i) Evaluate the success of the year's activities and accomplishments relative to the goals and objectives contained within this Plan.
 - ii) Adjust programs, as necessary, based upon the evaluation.
 - iii) Prepare and submit the Annual Accomplishment Report to the New Jersey Forest Service in accordance with the requirements of the New Jersey Shade Tree & Community Forestry Assistance Act.
2. **Five-Year Evaluation**
 - a) *January – March, 2012*
 - i) Evaluate the success of all objectives completed to date.
 - ii) Evaluate progress toward the overall goals of the Shade Tree Program.
 - iii) Begin formulating new objectives and/or adjustments to existing policies, programs and procedures, if necessary to address changing needs, for the 2012 – 2017 management period.
3. **2012 – 2017 Management Plan Development**
 - a) *April – June 2012*
 - i) Finalize new objectives and/or adjustments to existing policies, programs and procedures for the 2012 – 2017 management period.
 - ii) Prepare and submit a Community Forestry Management Plan for the 2012 – 2017 management period.
 - b) *July – September 2012*
 - i) Obtain Plan approval from the New Jersey Community Forestry Council.

Objectives / Tasks	2007	2008	2009	2010	2011	2012
PROGRAM ADMINISTRATION, cont'd						
<p>4. <i>Ordinance, Site Plan & Master Plan Review Procedures</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Develop and implement procedures to ensure that the Shade Tree Commission receives, reviews and comments on all appropriate ordinances and site plan applications; Develop a formal link between the Borough Master Plan and the Community Forestry Management Plan; Document any new procedures. (p.14, #4.a.i-iii) 			█			
TRAINING & PROFESSIONAL DEVELOPMENT						
<p>1. <i>Ongoing Training Programs</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Continue all existing training programs on a consistent basis; Maximize the number of different individuals who increase their level of knowledge. (p.18, #1.a.i-ii) 	█					
<p>2. <i>NJ Community Forestry's Training Skills & Accreditation Program</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Review training needs relative to upcoming training opportunities; Ensure that NJ Community Forestry CORE and Continuing Education requirements will be met; Schedule CORE training for additional individuals, as necessary. (p.18, #2.a.i-iii) 	█	█	█	█	█	█
<p>3. <i>Qualified Line Clearance Tree Trimmer Training</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Train at least one member of the new Department of Public Works Tree Crew to be certified as a Line Clearance Tree Trimmer by an approved certification program. (p.18, #3.a.i) 	█					
<p>4. <i>Tree Hazard Evaluation Training</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Train at least 1 appropriate Shade Tree Commission member and/or Department of Public Works Tree Crew member to advance their skills in identifying and evaluating the severity of tree hazards. (p.18, #4.a.i) <input type="checkbox"/> Train another appropriate Shade Tree Commission member and/or Department of Public Works Tree Crew member to advance their skills in identifying and evaluating the severity of tree hazards. (p.18, #4.b.i) 			█			█
<p>5. <i>Mature Tree Pruning Training</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Train at least one Department of Public Works Tree Crew member in the proper pruning of mature trees in accordance with ANSI A300 standards. (p.19, #5.a.i) 				█		

Objectives / Tasks	2007	2008	2009	2010	2011	2012
TRAINING & PROFESSIONAL DEVELOPMENT, cont'd						
6. <i>Developmental Pruning Training</i>						
<input type="checkbox"/> Train at least two Shade Tree Commission members and/or Department of Public Works Tree Crew members in pruning of young trees for proper development in accordance with ANSI A300 standards. (p.19, #6.a.i-ii)				■		
PUBLIC EDUCATION, AWARENESS & OUTREACH						
1. <i>Ongoing Public Education, Awareness & Outreach Programs</i>						
<input type="checkbox"/> Continue implementing existing programs, policies and procedures; Continually review existing programs and materials and update them, as necessary. (p.20, #1.a.i-ii)	■					
2. <i>Annual Arbor Day Programs</i>						
<input type="checkbox"/> Continue to organize and conduct annual Arbor Day celebrations. (p.21, #2.a.i)		■	■	■	■	■
3. <i>Tree City USA</i>						
<input type="checkbox"/> Continue to submit the annual application for designation as a Tree City USA; Prepare and submit the application for the Tree City USA Growth Award program, if appropriate; Continually advertise the designation by displaying the program's promotional materials. (p.21, #3.a.i-iii)	■	■	■	■	■	■
4. <i>Shade Tree Program FAQs</i>						
<input type="checkbox"/> Advertise the availability of information about the Borough's Shade Tree Program on the <i>Shade Tree Program FAQs</i> page of the Borough's Internet Website. (p.21, #4.a.i)		■				
TREE INVENTORY & ASSESSMENT						
1. <i>Ongoing Tree Inventory & Assessment Programs</i>						
<input type="checkbox"/> Continue inventorying existing trees as they are inspected or treated and entering the resulting data in the <i>Tree Manager</i> system, with changes dictated by the following objectives; Continue using the Street Tree Inventory database to record, prioritize and schedule tree service requests and systematic maintenance programs and to maintain records of inspections and work completed. (p.22-23, #1.a.i-ii)	■					

Objectives / Tasks	2007	2008	2009	2010	2011	2012
TREE INVENTORY & ASSESSMENT, cont'd						
<p>2. <i>Street Tree Inventory System Review</i></p> <ul style="list-style-type: none"> <li> <input type="checkbox"/> Identify, review and evaluate other software systems for their ability to handle the tree inventory and tree management requirements of the Shade Tree Program. (p.23, #2.a.i-ii) <li> <input type="checkbox"/> If appropriate, purchase and set up the new inventory software; Migrate the existing data to the new system; Train the appropriate personnel to use the new system. (p.23, #2.b.i-iii) <li> <input type="checkbox"/> Produce a variety of data summaries to characterize the current state of the street tree population; Begin adjusting existing management practices based on the findings; Begin utilizing the new system in long-term planning and day-to-day management efforts. (p.23, #2.c.i-iii) 						
<p>3. <i>Street Tree Inventory & Assessment Completion</i></p> <ul style="list-style-type: none"> <li> <input type="checkbox"/> Set preliminary plans for completing the Street Tree Inventory in the most efficient way possible using Shade Tree Commission members and selected volunteers. (p.23-24, #3.a.i-ii) <li> <input type="checkbox"/> Organize and train Shade Tree Commission members and selected volunteers; Conduct several "test" inventories; Modify the inventory plans as appropriate. (p.24, #3.b.i-iii) <li> <input type="checkbox"/> Complete all necessary field data collection in the first section of the Borough; Complete all necessary data entry work concurrently, if applicable; Produce a variety of charts and reports that summarize the current state of the tree population in the completed section of the Borough. (p.24, #3.c.i-v) <li> <input type="checkbox"/> Complete the inventory of subsequent sections of the Borough each year until the inventory is complete; Produce a variety of charts and reports each year to keep track of overall progress in addressing tree species and age composition goals, hazard tree management, etc. (p.24, #3.d.i-ii) 						
TREE HAZARD MANAGEMENT						
<p>1. <i>Ongoing Tree Hazard Management Programs</i></p> <ul style="list-style-type: none"> <li> <input type="checkbox"/> Continue to implement all existing tree hazard management programs, policies and procedures; Continue to address hazard abatement needs as they are identified in order of priority. (p.25, #1.a.i-ii) 						

Objectives / Tasks	2007	2008	2009	2010	2011	2012
TREE HAZARD MANAGEMENT, cont'd						
2. <i>Tree Hazard Evaluation Training</i> See Training & Professional Development, Objective #4						
3. <i>Tree Hazard Survey Program</i>						
<input type="checkbox"/> Develop formal procedures and schedules for routinely surveying all street trees to identify potential hazards. (p.25-26, #3.a.i-iii)					■	
<input type="checkbox"/> Develop an inspection "checklist" to ensure that all trees are efficiently observed during each inspection cycle; Develop a procedure for ensuring that a record of each hazard inspection is made in the inventory database and that needs are accurately recorded and promptly addressed; Develop any necessary forms. (p.26, #3.b.i-iii)					■	
<input type="checkbox"/> Begin implementing the formalized Tree Hazard Survey Program. (p.26, #3.c.i)						■
TREE PLANTING						
1. <i>Ongoing Tree Planting Programs</i>						
<input type="checkbox"/> Continue all existing tree planting programs; Continually adjust procedures for tree plantings as necessary to meet the goals and objectives of this Plan. (p.28, #1.a.i-ii)		■				
2. <i>Street Tree Species Composition Guidelines</i>						
<input type="checkbox"/> Establish a long-term goal for optimum species composition in the street tree population; Establish intermediate progress goals for altering the existing species composition. (p.28-29, #2.a.i-ii)		■				
<input type="checkbox"/> Design and complete planting programs in accordance with the goals set; Vary the species planted from year to year to maintain species diversity over all age classes. (p.29, #2.b.i-iii)			■			
3. <i>Street Tree Stocking & Age Structure Guidelines</i>						
<input type="checkbox"/> Calculate maximum practical stocking for Borough trees; Establish feasible goals for achieving and/or maintaining maximum practical stocking with a suitable age structure over an appropriate time frame. (p.29, #3.a.i-iv)		■				
<input type="checkbox"/> Design, fund and complete planting projects in accordance with the stocking goals and planting rates set. (p.29, #3.b.i-iii)			■			

Objectives / Tasks	2007	2008	2009	2010	2011	2012
<p>PLAN PREPARATION & EVALUATION</p> <p>1. <i>Annual Program Evaluation</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Evaluate the year's accomplishments and adjust programs, as necessary; Prepare and submit the <i>Annual Accomplishment Report</i> to NJFS. (p.37, #1.a.i-iii) <p>2. <i>Five-Year Evaluation</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Evaluate the success of all objectives completed to date; Evaluate progress toward the overall goals of the Program; Begin formulating new objectives and program adjustments for the 2012 – 2017 management period. (p.37, #2.a.i-iii) <p>3. <i>2012 – 2017 Management Plan Development</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Finalize new objectives and program adjustments; Prepare and submit a Community Forestry Management Plan for the 2012 – 2017 management period. (p.37, #3.a.i-ii) <input type="checkbox"/> Obtain State approval for the 2012 – 2017 Community Forestry Management Plan. (p.37, #3.b.i) 						

**CURRENT
ORDINANCES**

1. Chapter 56, *Shade Tree Commission*
2. Chapter 224, *Trees*

Chapter 56: SHADE TREE COMMISSION

[HISTORY: Adopted by the Board of Commissioners of the Borough of Haddonfield 2-4-1930 by Ord. No. 655, amended 12-11-1984 by Ord. No. 1440; amended in its entirety 4-27-2004 by Ord. No. 12-2004. Amendments noted where applicable.]

GENERAL REFERENCES

Trees — See Ch. 224.

§ 56-1. Appointment of members; terms. [Amended 2-22-2005 by Ord. No. 3-2005]

- A. Pursuant to N.J.S.A. 40:64-1 et seq., the Borough has established a Shade Tree Commission. That Shade Tree Commission of five regular members and two alternate members, all of whom are residents of the Borough, shall be appointed by the Mayor of the Borough, which Commission shall be known as the "Shade Tree Commission of the Borough of Haddonfield." The terms of appointment of its regular members shall be staggered so that one appointment expires each year. All regular member appointments, except to fill vacancies, shall be for the full term of five years, to take effect on January 1. Alternate members shall be appointed for a term of one year, to take effect on January 1.
- B. Alternate members shall be designated at the time of their appointment as "Alternate No. 1" and "Alternate No. 2." Alternate members may participate in the discussion of the proceedings but may not vote except in the absence or disqualification of a regular member. A vote shall not be delayed in order that a regular member may vote instead of an alternate member. In the event that a choice must be made as to which alternate is to vote, alternate members shall vote in the order of their numerical designations.

§ 56-2. Election of officers

The Shade Tree Commission shall organize annually by election of one of its members as President and the appointment of a Secretary, who need not be a member of the Commission.

§ 56-3. Powers.

The Shade Tree Commission shall have the power to:

- A. Exercise full and exclusive control over the regulation, planting and care of shade and ornamental trees and shrubbery now located, or which may hereafter be planted, in any public highway, park or parkway, except such as are excluded pursuant to N.J.S.A. 40A:64-1 et seq., including the planting, trimming, spraying, care and protection thereof;
- B. Regulate and control the use of the ground surrounding the same, so far as may be necessary for their proper growth, care and protection;
- C. Move or require the removal of any tree, or part thereof, dangerous to public safety;
- D. Care for and control such parks and parkways and encourage arboriculture;

- E. Make, alter, amend and repeal, in the manner prescribed for the passage, alteration, amendment and repeal of ordinances by the governing body of the municipality, any and all ordinances necessary or proper for carrying out the provisions hereof;
- F. Administer treatment to or remove any tree situate upon private property which is believed to harbor a disease or insects readily communicable to neighboring healthy trees in the care of the municipality and enter upon private property for the purpose, with the consent of the owner thereof, provided that the suspected condition is first confirmed by certificate issued by or on behalf of the Department of Agriculture; and
- G. Other powers as provided by N.J.S.A. 40:64-5, as amended and supplemented.

Chapter 224: TREES

[HISTORY: Adopted by the Board of Commissioners of the Borough of Haddonfield 12-14-1982 by Ord. No. 1376. Amendments noted where applicable.]

GENERAL REFERENCES

Shade Tree Commission — See Ch. 56.

Trees in parks — See Ch. 154.

§ 224-1. Prohibited acts.

No person, firm or corporation shall do, or cause to be done, any of the following acts along any public highway, park or parkway, except county parks or parkways, within the Borough of Haddonfield without written permit:

- A. Cut, trim, break, climb with spikes, disturb the roots of or otherwise injure, or spray with any chemical, or remove, any living tree or shrub; or injure, misuse or remove any structure or device placed to support or protect such tree or shrub.
- B. Plant any tree or shrub.
- C. Fasten any rope, wire, electric attachment, sign or other device to a tree or shrub, or to any guard about such tree or shrub.
- D. Close or obstruct any open space provided about the base of a tree or shrub to permit the access of air, water or fertilizer to the roots of such tree or shrub.

§ 224-2. Electrical wires near trees.

Every person, firm or corporation having control over any wire for the transmission of an electric current along a public highway shall at all times guard all trees through which or near which, such wire passes against any injury from the wire or from the electric current carried by it. The device or means used shall in every case be subject to approval by the Shade Tree Commission.

§ 224-3. Injury of trees by animals.

No person, firm, or corporation shall hitch or fasten an animal to any tree or shrub in any public highway, park or parkway, except county parks or parkways, or to any guard or support provided for same, or shall permit an animal to bite or otherwise injure any such tree or shrub.

§ 224-4. Injurious chemicals.

No person, firm or corporation shall permit any brine, gas or injurious chemical to come in contact with the stem or roots of any tree or shrub in any public highway, park or parkway, except county parks or parkways.

§ 224-5. Interference with work of Shade Tree Commission.

No person, firm or corporation shall prevent, delay, or interfere with any lawful work undertaken by the Shade Tree Commission or its authorized agent.

§ 224-6. Violations and penalties.

- A. Violations of any provision of this chapter shall be punishable as provided in Chapter 1, General Provisions, § 1-14.
- B. If any person, firm or corporation shall continue to violate any of the provisions of this chapter, after being duly notified of such violation, or shall neglect or refuse to comply with a lawful order of the Shade Tree Commission, a second or subsequent notification or order shall be prima facie evidence of an additional violation of this chapter, and each such additional offense shall subject the offending party, upon conviction, to the same penalty as provided by Subsection A of this section.