



NJ Urban & Community Forestry Program (NJUCF)

2024 NJUCF

Green Communities Grant Request for Proposals (RFP)

Applications accepted on a rolling basis

**Submit proposals via the:
Electronic Grant Application System**

[NJDEP SAGE](#)



NJ Urban and Community Forestry Program
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609.292.2532 | www.communityforestry.nj.gov

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I. Purpose

Pursuant to the New Jersey Shade Tree and Community Forestry Assistance Act, N.J.S.A.13:1L-17.4(c), one purpose of the New Jersey Forest Service Urban and Community Forestry program (NJUCF) is to provide grants to local governments and shade tree commissions to assist in the writing and implementation of a comprehensive Community Forest Management Plan (CFMP) to the extent monies are appropriated or otherwise made available. The NJUCF Green Communities Grant was established to provide this financial assistance.

Grants are awarded to encourage the development of CFMPs and projects that strongly link the use of best management practices to achieve urban and community forestry management goals defined in the CFMP.

II. Source of Funding & Statutory Citations

Grant funding comes from the New Jersey Shade Tree and Community Forest Preservation License Plate Fund (N.J.S.A. 39:3-27.81), and the No Net Loss Compensatory Reforestation program (N.J.S.A. 13:1L-14.2(c)).

III. Eligibility (Applicants & Projects)

Applicants from local governments interested in applying for NJUCF grants must **first register and obtain a User ID and Password** via [NJDEP SAGE](#), if they have not previously done so.

Only municipal and county governments in partnership and collaboration with local shade tree departments, commissions, tree committees, tree boards, or tree councils who are legally responsible for tree and forest management are eligible to apply for a grant. Entities that are not eligible for this grant funding, such as non-profit organizations, green teams, environmental commissions, businesses, and community groups, are encouraged to partner with eligible applicants to expand the reach of the proposed projects, furthering the urban and community forestry goals of the local government.

Only projects carried out on public property owned or maintained by a municipal or county government are eligible for grant funding.

IV. Green Communities Grant Categories & Funding Allocations

Two (2) grant categories are available for 2024 NJUCF Green Communities Grant funding: CFMP Development or Inventory & Planning

CFMP Development Grants

- Grants up to \$5,000 may be awarded. This grant is to develop a community forest management plan utilizing January 2024 plan guidelines found [here](#). This grant is only for those municipalities or counties that currently have an inventory that meets the minimum requirements outlined in the guidelines (see Appendix 2) and was conducted by a qualified consultant (See Appendix 6). This could be an existing partial or complete inventory. Please submit your inventory to the NJFS along with your application in order for the NJFS to verify your inventory meets the new requirements.

Inventory & Planning Grants

- **This category of Planning grant is for those counties or municipalities that are developing their first CFMP or updating an expiring CFMP and need to conduct an inventory that complies with the 2024 CFMP guidelines. Municipalities or counties that have a current CFMP and qualified inventory are not eligible to apply for funds to augment their inventory at this time.**

Grants up to \$20,000 may be awarded, of which up to \$5,000 can be used for the CFMP development. This will include a partial or full inventory of your municipal trees as well as the preparation of a plan utilizing the 2024 updated guidelines. The inventory project can include, but is not limited to:

- Tree inventories.
- Risk tree assessments.
- Post-storm inventory or assessments.
- Insect and disease surveys
- Any combination of these activities.

Emerald Ash Borer (EAB) treatments and ash tree removals are not eligible for this funding.

Grant applications must include details and estimates on services and supplies associated with the proposed project (e.g., software type such as inventory, GIS, work order development, or supplies to be less than \$5,000 for continued update and utilization of inventory and work order creation). These estimates must be obtained no earlier than 2 months prior to submitting your application. Regarding supplies, no more than \$5,000 in total can be reimbursed for electronic tablets, inventory software and licensing, or GIS (see Appendix 1). These expenditures are only applicable for the Planning and Inventory \$20,000 grant.

The intent of the grant is for communities to understand their urban and community forest composition and structure, and to update or initiate management plans based on the gained knowledge to better inform management decisions (see Appendix 7).

V. Grant Requirements

Grantees agree to comply with all applicable federal, state, and municipal laws, rules, regulations, and written policies. All recipients of grant funds will need to execute a grant agreement with NJFS UCF and must comply with the general terms and conditions as defined in the grant agreement including, but not limited to:

CFMP Development Grants:

General

The CFMP must be written and submitted in accordance with the January 2024 CFMP guidelines. The guidelines can be found at [the Urban and Community Forestry webpage](#). The Grantee shall submit its CFMP to the NJFS Urban and Community Forestry Program in time for review and approval by the Program prior to the expiration of the two-year Work Period. In order to best meet this deadline, the NJFS Urban and Community Forestry Program recommends the following actions:

(1) Within ninety (90) days of receiving acknowledgment of the award, select a forestry professional to assist in creating the CFMP, and advise the NJFS Urban and Community Forestry Program.

(2) Submit the CFMP within 20 months of the start of the Work Period to allow time for any needed amendments and plan approval, as CFMP must be approved by the end of the Work Period.

(3) Submit your previously completed inventory prior to application to allow for review and approval by the NJFS to verify the inventory meets the updated 2024 criteria.

- All projects must be completed within the defined Work Period in the grant agreement. If a project will not be completed during the Work Period, the grantee may request an extension consistent with procedures defined in the grant agreement.

The Work Period commences on the date the grant award announcement is distributed via the NJDEP SAGE system and ends two (2) years from the start of the Work Period.

- Grantees are required to comply with all progress reporting requirements, including submitting annual reports through the NJDEP SAGE system.

Inventory & Planning Grants:

General:

The CFMP must be written and submitted in accordance with the January 2024 CFMP guidelines. The guidelines can be found at www.communityforestry.nj.gov. The Grantee shall submit its CFMP to the NJFS Urban and Community Forestry Program in time for review and approval by the Program prior to the expiration of the two-year Work Period. In order to best meet this deadline, the NJFS Urban and Community Forestry Program recommends the following actions:

(1) Within ninety (90) days of receiving acknowledgment of the award, select a forestry professional to assist in creating the CFMP, and advise the NJFS Urban and Community Forestry Program.

(2) Submit the CFMP within 20 months of the start of the Work Period to allow time for any needed amendments and plan approval, as CFMP must be approved by the end of the Work Period.

(3) Submit your completed inventory prior to 12-14 months of the start of the Work Period to allow for review and approval by the NJFS to verify the inventory meets the updated 2024 criteria.

- All projects must be completed within the defined Work Period in the grant agreement. If a project will not be completed during the Work Period, the grantee may request an extension consistent with procedures defined in the grant agreement.

The Work Period commences on the date the grant award announcement is distributed via the NJDEP SAGE system and ends two (2) years from the start of the Work Period.

- Grantees are required to comply with all progress reporting requirements, including submitting annual reports through the NJDEP SAGE system.

Financial: (Both Grants)

- NJUCF Grants are reimbursement grants. All invoices must be paid in full by the grantee to be considered for reimbursement; **advance payments will not be made.**
- **Salaries or wages of grantee employees are NOT eligible for reimbursement from grant funding.** Work performed by grantee employees may count as grantee match only. (Appendix 3). **Only the cost of services provided by contractor(s) hired by the grantee to develop and carry out the workplan may be reimbursed.** This includes the cost of the services of both the contractor's forestry professional and any contractor support staff aiding the professional in the conduct of the work. The contractor's forestry professional should be a(n) NJ Approved

Forester, [Society of American Foresters' Certified Forester](#), [International Society of Arboriculture Certified Arborist](#), NJ Licensed Tree Expert (LTE), or other professional who abides by the current forestry best management practices and arboricultural industry standards.

- Grantees will use their own procurement procedures that reflect applicable state and local laws and regulations. Applicable state requirements shall be incorporated into any subcontracts awarded by the grantee under the grant agreement.
- The Department shall reimburse the Grantee only after: (1) the CFMP is approved by the State Forester; (2) the Grantee submits an Expenditure Report, as required by the General Terms of this grant agreement, that includes detailed written receipts for costs for which the Grantee seeks reimbursement and are either marked as paid or accompanied by cancelled checks as proof of payment; (3) the Grantee submits written proof of Grantee's match, authorized by a Grantee official; and (4) the Department determines that all costs were properly incurred, and the Grantee's match properly made.
- The Grantee's Expenditure Report, receipts, and proof of match shall be submitted electronically through NJDEP SAGE within thirty (30) days of approval of the CFMP. Grant funds may be used only to satisfy obligations which arise during the Work Period, and only as fully documented in accordance with this agreement.
- Grant funds can only be used to reimburse expenses incurred within the Work Period as defined in the grant agreement. Grantees are only reimbursed for expenses which are part of the approved grant project.
- All grantees are required to provide a matching contribution that equals 25% of the grant award. Matching contributions can come from in-kind services (volunteer work) and/or cash (including employee salaries) in support of activities included in the approved grant agreement. Volunteer and employee time toward the match must be documented in detail and reported with payment requests. Payments to grantees will only be made upon submission of a properly completed financial report in NJDEP SAGE and includes invoices, bills, and other documents necessary to justify the payment. See Appendix 3 for more details.
- Grantees must maintain records that adequately identify the source and application of funds provided from all sources for projects. Accounting records must be supported by such source documentation as cancelled checks, paid bills, payrolls, time and attendance records, contract, and sub-grant award documents, etc.

NJUCF Green Communities Grant Project Specifics:

All Grant projects must comply with the following terms and conditions:

- Community Forest Management Plans must comply with January 2024 Guidelines found [here](#). These plans must be approved by the State Forester in order to be eligible for reimbursement.
- Grant funded inventories must be uploaded to and submitted through NJDEP SAGE in Excel (xls) format with the final progress report. See Appendix 7.
- Grant funded inventories must collect and/or format data using standards and definitions as defined by the USDA Forest Service [iTree ECO Guide to Importing an Existing Inventory](#). See Appendix 2 for required inventory data.
- Grant funded inventories must use the full scientific name (*Genus species*) and/or the [USDA Forest Service i-Tree ECO species code](#) assigned for each tree genus and species.
- The Inventory and Assessment Project Planning Worksheet must be uploaded to the attachments with the application in SAGE. **No Inventory activities shall begin until the Inventory and Assessment Project Planning Worksheet is approved by the NJUCF Program.** See Appendix 4.
- Inventory & Planning Grants support the hiring of a professional to conduct a scientifically rigorous urban forest inventory and analysis. **These grants can NOT be used toward a volunteer-led inventory or data collection.** See Appendix 6.

VI. Reporting and Accountability

For Both Types of Grants:

Grantees must comply with financial and progress reporting requirements and all required submissions and deadlines for accountability as defined in their executed grant agreement.

- Annual progress reports. The first progress report is due one (1) year after the start of the Work period. Progress reports are due each year thereafter until the Work period ends, including extensions of the Work period.
- Submit previous or new inventory for approval prior to plan development.
- Submitted CFMP must be approved by the NJFS.

Financial Reporting:

- All Grantees are required to provide a matching contribution that will equal twenty-five percent (25%) of the grant award. Volunteer hours and employee time toward the match must be documented in detail and submitted with financial reports in SAGE. See Appendix 3.

Matching funds and all contributions, including cash and third party in-kind contributions, shall be accepted as part of the Grantee's cost-sharing or matching when such contributions meet all of the following criteria:

- a. Are verifiable from the Grantee's records;
 - b. Are necessary and reasonable for the proper and efficient accomplishment of approved grant objectives;
 - c. Are used to support activities provided in the Approved Project Budget;
 - d. Are contributed within the Work Period.
- All invoices must be paid in full by the Grantee to be considered for reimbursement; advanced payments will NOT be made. The Grantee must maintain records that adequately identify the materials purchased and payments made for this project. These documents will be uploaded into the SAGE financial report.

VII. Proposal Requirements

- Local governments interested in applying for NJUCF grants must **first register and obtain a User ID and Password** via [NJDEP SAGE](#), if they have not previously done so.
- Only one proposal may be submitted by a local government unit. Register your municipality or county as the organization seeking this grant. Use your municipal or county address and telephone number.
- The grant request cannot exceed the funding allocations described in this RFP.
- Proposals must be accompanied by:
 - resumes, work histories, and/or qualifications of all project participants (as appropriate) as defined in Sections VIII and IX of this RFP;
 - proof of insurance coverage for the current calendar year (ACORD certificates of insurance preferred), including coverage for commercial general liability, automobile liability, employers' liability and workers' compensation.
- Proposals must identify:
 - a **Project Manager** who acts as the primary contact for the NJ Urban and Community Forestry Program regarding project work and coordinates the project for the municipality within the Work Period of the grant agreement, providing timely reports on implementation and performance; and
 - a **Grant Manager** who is a municipal or county employee and acts as the primary contact for execution and administration of the grant agreement, reporting, and payment transactions.

- Matching funds are required and can be met through in-kind volunteer contributions and cash from local, state, federal government, or other entities (See Appendix 3).

All contacts and information associated with grant roles in NJDEP SAGE MUST be filled out completely and accurately for eligibility for the grants.

VIII. Project Submission and Selection

ALL NJUCF GREEN COMMUNITIES GRANT PROPOSALS MUST BE SUBMITTED ELECTRONICALLY USING THE [NJDEP SYSTEM FOR ADMINISTERING GRANTS ELECTRONICALLY \(SAGE\)](#).

Local governments interested in applying for NJUCF grants must **first register and obtain a User ID and Password** via [NJDEP SAGE](#), if they have not previously done so.

[NJDEP SAGE](#) registered users can identify the grants NJUCF has available, submit grant applications, monitor applications under consideration, communicate with the NJUCF grant team, as well as request changes and manage grants via the [NJDEP SAGE](#) system.

All submissions must include complete grant proposal application forms and all supporting documentation. This includes:

- **Grant Proposal Application Forms** – available online after registering in [NJDEP SAGE](#).
- **A Certificate of Insurance (ACORD) form** for the municipal or county applicant for the current year. The State of New Jersey, NJDEP, PO Box 420, 428 E. State Street, 4th Floor, Trenton NJ 08625-0420 must be listed as the certificate holder. Coverage should include commercial general liability, automobile liability, employers' liability, and workers' compensation.
- **Resumes and consultant qualifications** – Provide resumes and documentation of qualification (for example, copy of Certified Forester, NJ Certified Tree Expert, or ISA Certified Arborist credential) for all parties, as appropriate, involved in implementing the grant.

NJ Forest Service staff will review and evaluate project proposals.

Proposals will be fully funded to the extent possible. NJUCF reserves the right to reallocate the number and amount of grant awards based on the quantity and/or quality of proposals received.

IX. Helpful Links:

NJ Forest Service, [Urban & Community Forestry Program](#)

NJ Forest Service 2024 CFMP Guidelines: [community-forestry-management-plan-guidelines.pdf \(nj.gov\)](#)

NJDEP System for Administering Grants Electronically ([NJDEP SAGE](#))

ANSI 300 Standards (Parts 1-9). Available from the Tree Care Industry Association

[ANSI Z60.1 American Standard for Nursery Stock](#) (2014). American Nursery and Landscape Association.

[Independent Sector Volunteer Rate](#). Click on “Download State-by-State Data” to find the rate specific for NJ, as it is higher than the national average.

[Vibrant Cities Lab - Vibrant Cities Lab : Resources for Urban Forestry, Trees, and Green Infrastructure](#)

Appendix 1

Tree Inventories: Introduction & Available Software

An urban forest inventory locates, documents, and characterizes individual trees or groups of trees in a given community, typically noting attributes such as species, size, condition, and location. Some communities conduct an inventory for safety and maintenance planning purposes, for example, by identifying individual trees that require pruning, watering, or removal. Sites for potential tree plantings can also be identified. Inventories can also note characteristics of local infrastructure, such as sidewalk condition or overhead utility line presence.

An important objective of any community should be to maximize the benefits of their trees. Urban forest inventories enable communities to engage in proactive management of their urban forest by providing the information necessary to do so and identifying patterns that may not have been noticed otherwise.

Items to consider when preparing to conduct an inventory include the following:

- What information needs to be collected?
- Who will collect the data?
- How will the data be collected?
- What materials will be needed for the inventory?
- How will the data from the inventory be used?

Communities have options for conducting the inventory: a simple assessment of the number of trees and the type of tree in the right-of-way or a more in-depth survey determining the health and risk associated with the trees.

NJUCF-funded tree inventories must be conducted by professionals, including but not limited to certified arborists and NJ Licensed Tree Experts. Volunteer-based data collection will not be funded under these grants.

As the amount of information desired from the tree inventory increases, the level of expertise required for the professionals conducting the inventory will also increase. It is recommended that risk assessments be conducted by an ISA TRAQ trained NJ Licensed Tree Expert. Verify that your professional is adequately qualified to collect the data you need in your tree inventory. See Appendices 2, 4, and 6 for additional information.

[Software programs](#) should be used to manage inventory data. The price of urban treeinventory software varies. The initial purchase of a software program can be funded by this grant, which includes a single or multi-year bundle software package from a vendor. NJUCF does not fund the renewal of a software program.

Grant funded inventories must be submitted electronically as a final deliverable to NJUCF in Excel (.xls) format.

Appendix 2

Setting up for Inventory Projects

It is strongly recommended that the grantee research software packages and costs associated with the inventory data they intend to collect. Discuss internally with other departments and organizations that may use the inventory data in their day-to-day job duties to determine the most useful data for your municipality/county.

Departments or other organizations to consider may include:

- Department of Public Works
- Shade Tree Commission (Committee, Advisory Board etc.)
- Green Team
- Environmental Commission (Committee, Advisory Board etc.)
- Mayor and Council
- Planning or Engineering Department
- Office of Sustainability
- Other

Data Collection Fields:

****At a minimum**, the following data must be collected in an NJUCF-funded Canopy Resiliency grant:

- Species – Common and Scientific name
- DBH – 2-inch increments
- Current Height – Small (less than 25 feet), Medium (25-50 feet), and Large (greater than 50 feet)
- Potential Height (expected at maturity).
- Condition (5-1) – The rating scale: 5 = Good, 4 = Fair, 3 = Poor, 2 = Very Poor, and 1 = Dying/Dead.
 - Good condition constitutes: <10% dieback, missing crown, visible structural damage, and injury from diseases and pests
 - Fair: 10% -25%
 - Poor: 25-50%
 - Very poor: 50-75%
 - Dying/dead: >75%
- Location – GPS Coordinates and/or closest street address

Additional data fields that can be collected include:

- Risk Assessment
- Maintenance Recommendation
- Canopy Width
- Photo
- Insect or Disease

Cash Match

The employee's standard hourly rate of compensation should be used to establish the value of the cash match. Fringe benefits can be counted but should be calculated separately. Here are some examples of employee time that could count toward your match:

- Managing the grant: record keeping, reporting, communicating with NJUCF, and preparing financial documents for payment
- Selecting, hiring, and paying the project contractor
- Meeting with the contractor and assisting the contractor on the project
- Preparing annual grant progress reports to NJUCF
- Reviewing drafts and approving the final grant project report

Expenditures

- Cash payments for the project made to the contractor that were over and above the grant award could count toward the match.

Appendix 4

Inventory and Assessment Project Planning Worksheet

Please complete the following document in addition to your NJUCF Stewardship Grant application for your Canopy Resiliency project.

Software Programs:

In this section, identify information regarding inventory software program usage and any associated costs.

1. A. Does the grantee intend to use a software program?

Yes No

B. If yes, which program?

2. A. Does the grantee intend to purchase a software program with grant funds?

Yes No

B. If yes, which one?

3. A. Does this software purchase include access for a single year or multi-year (also known as a bundle package)?

Single Year Multi-Year/Bundle

B. If multi-year, how many years are offered in the subscription?

4. How much does the estimated software purchase cost for investment? Indicate a single year and bundle if possible.

Inventory Methodology and Data Field Collection:

In this section, identify the inventory methods and data fields you have selected for the project.

1. What data fields are being collected? Refer to Appendix 2 of the 2023 RFP if needed.

- Species (REQUIRED)
- DBH (REQUIRED)
- Current Height (REQUIRED)
- Expected Mature Height (REQUIRED)
- Condition (REQUIRED)
- Location (preferably GPS) (REQUIRED)
- Maintenance Recommendation
- Risk Assessment
- Canopy Width
- Photo
- Insect or Disease
- Vacant planting space
- Other(s) PLEASE SPECIFY _____

2. A. What methodologies are being employed to conduct the inventory?
 - B. If Risk Assessment is selected above, please identify if the TRAQ system will be implemented or an alternative. If an alternative is being used, outline the methodology of the risk assessment.
3. What is the area(s) of concentration for the inventory?
4. What type of inventory is being conducted? For example, note whether this will be a sample-based, partial, or complete inventory.

Consultant and Costs:

In this section you will identify a consultant/contractor or potential consultant/contractor and the associated costs.

1. A. Has a contractor or consultant been selected?

Yes No

B. If yes, who is the contractor or consultant?

2. Estimated cost of the inventory for this project. Please break down software package vs. consultant fees for project completion. Note the cost of the project can next exceed the requested/awarded amount by the NJUCF Program.
3. Matching Update:

Provide the NJUCF Program with a matching update to your activities, please use the in-kind tracker excel spreadsheet to complete the matching update.

Urban Forest Structure and Composition Report:

In this section you will identify the information that will be in the Urban Forest Structure and Composition Report. The following are **required components**:

- Description of inventory and other relevant data collection methodologies (REQUIRED)
- Genus composition (REQUIRED)
- Species composition (REQUIRED)
- Size class distribution (REQUIRED)
- Tree condition distribution (REQUIRED)

If maintenance recommendations are collected, the UFSC Report may include the following:

- Recommended maintenance / priority list for the inventoried area(s)
- Recommended timeline for addressing maintenance issues
- Breakdown of overall maintenance needs by collected category

If planting locations/vacancies are recorded, the UFSC Report may include:

- Planting recommendations
- Recommended planting priority areas
- Recommended planting timeline to maintain, increase, or replace removed canopy
- Breakdown of stocking levels (planted, vacant, and stumps)

If an Eco Benefit analysis is part of software package or a need of the community, the following values may be included with the UFSC report:

- Carbon storage
- Carbon sequestration
- Stormwater reduction
- Pollutant removal
- Other(s) PLEASE SPECIFY _____

Appendix 5

Glossary of Terms

Term	Definition
DBH	Diameter at Breast Height
Forest inventory	A set of objective sampling methods designed to quantify the spatial distribution, composition, and rates of change of forest parameters within specified levels of precision for the purposes of management.
Risk	The relative probability of any of several alternative outcomes as determined or estimated by a decision maker when the actual outcome of an event or series of events is not known.
Risk-rating system	A prediction of the probability that a tree will die within a specified period of time.
Risk Assessment (1998 Hazard tree inspection)	Close observation of trees that have been identified as a potential risk, for failure that would cause injury to a person or damage to property.
Hazard	Likely source of harm
Site Preparation	Hand or mechanized manipulation of a site, designed to enhance the success of regeneration.
Reforestation	The reestablishment of forest cover either naturally (by natural seeding, coppice, or root suckers) or artificially (by direct seeding or planting)
Afforestation	The establishment of a forest or stand in an area where the preceding vegetation or land use was not forest.
Sample	A part of a population consisting of one or more sampling units selected and examined as representative of the whole.
Species	The species is the basic unit of taxonomy on which the binomial system has been established; the lower taxonomic hierarchy is species, subspecies, variety, and forma.
Cultivar	A clone, race, or product of breeding selected from a population of plants because it has desirable characteristics and is generally more or less genetically uniform. Non-Latin name and designated cultivar.
Variety	An assemblage of cultivated individuals distinguished by any useful, reproducible character(s), usually termed a cultivar.

Appendix 6

Qualifications of Professionals

NJ Approved Forester List	Pursuant to N.J.A.C. 7:3-2, the Department of Environmental Protection (DEP), New Jersey Forest Service, maintains a list of foresters approved to annually attest that a landowner is in compliance with the woodland management plan or <i>forest stewardship plan and respective programs</i> . https://www.nj.gov/dep/parksandforests/forest/docs/ACF.pdf
NJ Licensed Tree Expert	A Licensed Tree Expert (LTE) is a person who has been examined and proven to be competent in the science and art of diagnosing, treating and preventing tree injuries. These professionals demonstrate high ethical and moral standards in management techniques required in the science of tree care. Licensed Tree Experts must obtain continuing educational credits over their licensing period, thereby ensuring LTEs are up to date on new information, skills and techniques in the tree care profession. https://www.njbte.org/
SAF certified forester	Society of American Foresters https://www.eforester.org/Main/Certification/Find_a_Certified_Professional.aspx
ISA Licensed Arborist	Trained and knowledgeable in all aspects of arboriculture. Have met all requirements to be eligible for the exam, which includes three or more years of full-time, eligible, practical work experience in arboriculture and/or a degree in the field of arboriculture, horticulture, landscape architecture, or forestry from a regionally accredited educational institute. This certification covers many topics giving the candidates flexibility in the arboricultural profession. https://www.isa-arbor.com/certification/index
ISA Certified Arborist Utility Specialist	Has a minimum of 2000 hours experience over two years in electric utility vegetation management or has served as a consultant to a utility, with a minimum of 4,000 hours over a maximum 10-year period. The candidate must work in utility vegetation management. They have been tested on topics such as electric utility pruning, program management, integrated vegetation management, electrical knowledge, customer relations, and storm response.
ISA Certified Arborist Municipal Specialist	Credential holders are current ISA Certified Arborists® who have chosen municipal arboriculture or urban forestry as a career path. They have obtained a minimum of three additional years of work experience managing the establishment and maintenance of urban trees. Experience requirements include communication skills, public relations, administration, risk management, arboricultural practices,

	and policy planning in a municipal setting.
ISA Certified Tree Worker Climber Specialist	Candidates must have the skill and endurance to climb trees, demonstrate high regard for safety, and be able to get the job done off the ground. This credential is different from the other certifications because you are tested in both a classroom setting and a field setting. Candidates must have training in aerial rescue, CPR, and First Aid to obtain this certification.
ISA Certified Tree Worker Aerial Lift Specialist	Certification requires candidates to demonstrate their ability to perform as a competent aerial lift operator. The knowledge gained with this certification can improve the productivity, quality of care, and safety practices of those who earn the credential. Along with proven knowledge of CPR and first aid, candidates have been tested on safety procedures, and must be able to complete thorough truck and tree inspection.
ISA Board Certified Master Arborist	Credential is the highest level of certification offered by ISA. This credential recognizes ISA Certified Arborists® who have reached the pinnacle of their profession. In addition to passing an extensive scenario-based exam, candidates must abide by a Code of Ethics, which ensures quality of work. Fewer than two percent of all ISA Certified Arborists® currently hold this certification.
TRAQ	ISA Tree Risk Assessment Qualification

Appendix 7

Measurable Outcomes

Inventory and Planning Grants:

For the Inventory & Planning grants there are two required outcomes for NJUCF reporting purposes. Additional reports may be requested depending on the data that is collected during the inventory process.

Required:

1. Raw Inventory in Excel Format
2. Community Forest Management Plan

Additional Outcomes (not required):

1. Maintenance Recommendations (Plan/List/Report)
2. Planting Palette Recommendations
3. Ecological Benefit Report