



SOUTH DAKOTA URBAN & COMMUNITY FORESTRY PROGRAM CHALLENGE GRANT

INTRODUCTION

Urban area expansion and inner-city decline is a national problem that continues to impact basic ecological functions essential to a healthy and productive society. Healthy trees and forests in urban areas contribute to improved air and water quality, watershed function, energy conservation and social well-being. The quality of life in cities and towns will be enhanced by effective State programs that foster cooperative efforts to plan for, plant, protect and maintain community trees, forests and related natural resources. Partnerships created through such programs will lead to an engaged citizenry committed to building healthy and viable communities for themselves and future generations. An effective urban and community forestry assistance program provides a foundation for meeting these goals.

The Forest Service provides national Urban and Community Forestry (U&CF) Program funding, leadership, and coordination. Program delivery occurs primarily at the state level, through State Foresters and key partners. State U&CF Councils advise the State Forester on program direction and priorities. Other partners play an important role in expanding public and private partnerships that promote the management of urban and community forests.

PURPOSE

The specific purposes of Urban and Community Forestry Assistance are to:

1. improve understanding of the benefits of preserving existing tree cover in urban areas and communities;
2. encourage owners of private residences and commercial properties to maintain trees and expand forest cover on their properties;
3. provide education programs and technical assistance to State and local organizations (including community associations and schools) in maintaining forested lands and individual trees in urban and community settings and identifying appropriate tree species and sites for expanding forest cover;
4. **provide assistance through competitive matching grants awarded to local units of government**, or approved non-profit organizations that meet the requirements of Section 501(c)(3) of the Internal Revenue Code of 1986;
5. implement a tree planting program to complement urban and community tree maintenance and open space programs and to reduce carbon dioxide emissions, conserve energy, and improve air quality in addition to providing other environmental benefits;
6. establish demonstration projects in selected urban and community settings to illustrate the benefits of maintaining and creating forest cover and trees;
7. enhance the technical skills and understanding of sound tree maintenance and arboricultural practices involving the cultivation of trees, shrubs and complementary ground covers, of individuals involved in the planning, development, and maintenance of urban and community forests and trees; and,
8. expand existing research and educational efforts intended to improve the understanding of tree growth and maintenance, tree physiology and morphology, species adaptations, and forest ecology; the value of integrating trees and ground covers; the economic, environmental, social, and psychological benefits of trees

and forest cover in urban and community environments; and the role of trees in conserving energy and mitigating urban “heat islands.”

STATE SUB-GRANT (CHALLENGE GRANTS) – NATIONAL GUIDELINES

States are encouraged to offer sub-grants that involve partnerships with local governments and non-profit 501(c)(3) organizations for the purpose of establishing effective community forestry programs. Where State programs provide funding of grants, the following requirements must be met:

1. States will establish criteria and comply with U&CF Program direction, appropriate Office of Management and Budget (OMB) Circulars, and applicable Federal and State regulations.
2. While tree planting is an allowable use of funds, the states shall establish limits on the percentage of funds available for tree planting.
3. Tree planting projects must include a work plan and a maintenance plan approved by the State Forester or his/her designee. Other U&CF projects must have a work plan and a defined product or measurable outcome.
4. Plant materials used in tree planting must, at a minimum, meet the American Standard for Nursery Stock, and tree protection and maintenance must meet American National Standards Institute (ANSI) standards.
5. Sub grantees are required to adhere to all Federal rules and guidelines of the State pursuant to this program.

NATIONAL MEASURES

A community must show that they are moving toward accomplishing the following national performance measures through their grant proposal:

1. Management Plans: The communities must have a current and active urban and community tree and forest management plan supported by professionally-based resource assessments/inventories.
2. Professional Staff: The community relies on the services of individuals who have one or more of the following credentials, and who are directly employed or retained through written agreement to advise and/or assist in the planting, protection, and maintenance of urban and community trees and forests:
 - a. Degree in urban forestry or a closely related field (e.g., forestry, horticulture, arboriculture, etc.)
 - b. International Society of Arboriculture (ISA) certified arborist or equivalent professional certification.These requirements are intended to ensure that the person with the primary responsibility for program management has the training and experience to properly and professionally manage the urban forest resource and advance the community's U&CF program.
3. Ordinances/Policies: The community has adopted and can present documentation of local/statewide ordinances or policies that focus on planting, protecting, and maintaining their urban and community trees and forests.

4. Advocacy/Advisory Organization: The community has local citizen's groups, and these groups serve as a catalyst for active local urban forest resource management within the community.

STATE CRITERIA FOR CHALLENGE GRANTS

The state has developed a "comprehensive challenge grant" that involves increased commitment and effort from the local community. An applicant may only receive a maximum of \$1000 per year for tree planting. Grants involving any of the other five criteria, or grants using two or more of the six criteria have a maximum limit of \$5000. The criteria for the challenge grant are outlined below. Communities can apply for a grant with any number of criteria. Maximum limits listed above must be followed and any combinations of criteria can have a total grant total of \$5000. Example: New Tree Planting - \$1000; Education and Training - \$4000 for a total grant cost of \$5000. **Applicant can only apply for one tree planting grant each year.**

COMPREHENSIVE CHALLENGE GRANT

1. General Grant Requirements
 - a. Projects must be on public lands or in public right of ways.
 - b. All projects require a 50/50 match. This match must be shown in the application. The grant will reimburse the applicant for no more than 50% of the documented expenses.
 - c. To be eligible for a grant, you must obtain professional advice from the Division of Resource Conservation & Forestry (RCF). Our assistance will ensure the tree species selected are suitable for the site and the planting plans are compatible with the parameters of the grant. **Please include a species list and cost estimate, in your proposal.** When requesting grant funds for tree planting, at least two bids should be included from local nurseries.
 - d. Following grant notification and prior to project implementation, a brief planning meeting between the grantee and a RC&F Urban & Community Forestry (U&CF) team member must be arranged. This will ensure that proper planting and maintenance procedures are followed.
 - e. A RC&F forester must be present the first day of ground work on the grant.
 - f. From time to time, changes may be needed in the grant. All changes must be approved by the RC&F Community Forester assisting with your grant. Changes must be in writing and approved in advance.
 - g. Grant funds may not be used for tree removal.
2. This grant has 6 specific sections (criteria) and funding limitations. All grant funds must be matched by the applicant on a reimbursable basis. The community must document all expenses.
 - a. **Professional Services** (\$5000) – The costs associated with the procurement of professional services may be covered by this grant. These expenses must be matched by actual (hard dollar) expenditures by the community - no soft match can be used. Grant funds must be used for professional tree care advice and planning efforts. Professional services shall be defined as having education, training, and experience in the fields of urban forestry, arboriculture, forestry, natural resource management, and/or horticulture.

- b. **Tree Inventory/Assessment** (\$5000) – The costs associated with community tree inventory projects may be covered by this category. Grant funds must be used for the development and implementation of a community tree inventory.
- c. **Existing Tree Care & Maintenance** (\$1000) – Tree pruning and tree care costs associated with existing trees may be covered under this category (ANSI A300 - 2005). Grant funds must be used for the care and maintenance of existing trees in a community.
- d. **Education/Training** (\$5000) – The community may use this portion of the grant to cover the cost of educational or training opportunities for community staff, advisory board members, or local officials to receive training on urban forestry. Grant funds must be used for educating and training tree advisory groups, staff, and local officials in the proper care and management of urban forestry.
- e. **New Tree Planting** (\$1000) – New trees may be planted in a community to augment or replace existing trees lost to disease or other factors. To receive reimbursement, the following standards must be in place:
 - At a minimum, trees must be at least 1 ¼” caliper and a minimum of 8’ tall for deciduous species and at least 4’ tall for coniferous species (as defined in the American Standards Institute (ANSI) publication *Z60.1 -2004 American Standards for Nursery Stock*). Click [here](#) for the standards.
 - Trees must have protection and maintenance in place that meets or exceeds ANSI *A300 Standards for Tree Care Operations* standards.
 - Grant funds may only be used to purchase trees. Shrubs and other ornamental plants will not qualify for funding.
 - All labor and other supplies and planting qualify as match for this grant.
 - Only high-quality nursery stock trees will be eligible for reimbursement (park grade stock is not eligible). High-quality, for the purpose of this grant, refers to trees that are grown and obtained from a licensed nursery and that are: typical of their species or variety and of suitable hardiness for South Dakota. They must have self-supporting, straight trunks and strong central leaders. They must be free from injury, to include: scrapes, wounds, and improper pruning cuts. They must also be free from disease, insect, or other infestations. Containerized trees must show no signs of girdling. When in leaf, foliage must be full and vigorous. Whips are also excluded.
- f. **Other Activities** (\$5000) – This category may be used to fund such activities as the development and implementation of a community website, specific to urban forestry. This category may also be used to develop any other projects specific to urban forestry and or arboriculture.

MONITORING AND ACCOUNTABILITY

Grant recipients shall document and report expenditures and accomplishments.

NATIONAL FUNDING STANDARDS

1. The Federal share of these grants shall not exceed 50-percent.
2. Applicants must match the federal funding with direct expenditures, in-kind labor and other expenses. These matching funds must be documented.
3. No federal funds or in-kind services provided by federal agencies may be used as match for these grants.
4. The federal funds must be used for activities identified in the applicant’s plan of work.

5. Federal funding provided by these grants is not intended to substitute for local urban and community forestry funds.

STATE REVIEW PROCESS

The South Dakota Urban Forestry Advisory Council will review all UCF Challenge Grant applications and recommend to the State Forester the grant applications that will move communities toward accomplishing national performance measures. The overriding question the Council will consider is, ***“Will this grant implement or provide a significant improvement in the community's ability to improve the condition and extent of its neighborhood trees and forests?”***

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Glossary of Terms

Definitions listed below are specific to this document, and may differ from other publications.

A300 Standards for Tree Care Operations: Requirements and recommendations for accepted tree care practices and guidelines for writing work specifications. ANSI A300 standards unify and take authoritative precedence over all previously existing tree care industry standards (in USA).

Bid: When you ask the provider of the service or product to tell you how much they would do the project or service for with the understanding that you are asking other people to bid on the project as well.

Caliper: In the landscape or nursery trade, this is the diameter of a tree, measured at a point 6 inches above the ground line if the resulting measurement is no more than 4 inches.

Certified Arborist: An individual who has achieved a level of knowledge in the art and science of tree care through experience and by passing a comprehensive examination. Certified Arborists must also continue their education to maintain their certification.

Hard dollar: Cash, as opposed to a benefit, claim, deductible, discount, interest, or promise; may also be called hard money.

Hardiness: A plant's ability to withstand an average minimum temperature. Other influencing factors include: soil type, moisture, drainage, humidity and exposure to sun and wind.

High-quality Nursery Stock: Trees that are grown and obtained from a licensed nursery that are: typical of their species or variety and of suitable hardiness for South Dakota. They shall have self-supporting, straight trunks and strong central leaders. They shall be free from injury, to include: scrapes, wounds, and improper pruning cuts. They shall also be free from disease, insect or other infestations. Containerized trees shall show no signs of girdling. When in leaf, foliage shall be full and vigorous.

In-kind: Payment made in the form of goods and services, rather than cash. See also: *Soft match*.

Must: For the purpose of this publication, mandatory requirement

Ordinance: an authoritative decree or law; *especially:* a municipal regulation.

Park Grade: These trees are lower quality trees. They may have minor trunk damage, poor form, or other obvious defects. Their price is generally lower; however buyers should beware of the problems that are associated with their defects.

Quote: When you ask the provider of the service or product to tell you how much they would do the project or service for with the understanding that you aren't asking other people to "bid" on the same project

Should: For the purpose of this publication, an advisory recommendation

Soft match: may consist of services, equipment, or products contributed to the project.

Whip: A very thin shoot with no lateral branches of a woody plant.

Z60.1 - 2004 American Standard for Nursery Stock: This manual sets forth size standards for the different categories of nursery stock. It is used as a guide for buying and selling plant stock. Size guidelines are based on the relationship of caliper/height/root spread and are specific to type of nursery stock.