



❖ *Civitati Faventes Horti* ❖

The mission of the Northern Plains Botanic Garden Society is to establish a botanic garden, conservatory and arboretum in the Fargo-Moorhead area.

P.O. Box 3031 • Fargo, ND 58108-3031 • ~~701-231-2548~~ • info@npbotanicgarden.com • www.npbotanicgarden.com

July 11, 2018

North Dakota Industrial Commission

Att: Outdoor Heritage Fund Program
Fourteenth Floor, 600 East Boulevard Ave.
Dept. 405
Bismarck, ND 58505

Re: Outdoor Heritage Fund Grant Application
Northern Plains Botanic Garden Society
Edible Forest Project

Dear Ms Fine:

We are pleased to submit our grant proposal for a Edible Forest project to be grown as part of our Northern Plains Botanic Gardens in Fargo.

As part of our mission to build a conservatory, grow botanic gardens and an arboretum, this project would support our motto of "promoting community through gardening".

If you determine additional information is needed to complete the proposal please contact me.

Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Vern Hunter", written in a cursive style.

Vern Hunter, President

Northern Plains Botanic Garden Society

vh:dh

Outdoor Heritage Fund Grant Application



The purpose of the North Dakota Outdoor Heritage Fund is to provide funding to state agencies, tribal governments, political subdivisions, and nonprofit organizations, with higher priority given to projects that enhance conservation practices in this state by:

Directive A. Providing access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improving, maintaining and restoring water quality, soil conditions, plant diversity, animal systems and by supporting other practices of stewardship to enhance farming and ranching;

Directive C. Developing, enhancing, conserving and restoring wildlife and fish habitat on private and public lands; and

Directive D. Conserving natural areas and creating other areas for recreation through the establishment and development of parks and other recreation areas.

Exemptions

Outdoor Heritage Fund grants may not be used to finance the following:

- A. Litigation;
- B. Lobbying activities;
- C. Any activity that would interfere, disrupt, or prevent activities associated with surface coal mining operations; sand, gravel, or scoria extraction activities; oil and gas operations; or other energy facility or infrastructure development;
- D. The acquisition of land or to encumber any land for a term longer than twenty years; or
- E. Projects outside this state or projects that are beyond the scope of defined activities that fulfill the purposes of Chapter 54-17.8 of the North Dakota Century Code.

NO CONSIDERATION:

In addition to those specific items in law that are ineligible for funding, in the absence of a finding of exceptional circumstances by the Industrial Commission, the following projects will NOT receive consideration for funding:

- A completed project or project commenced before the grant application is submitted;
- A feasibility or research study;
- Maintenance costs;
- A paving project for a road or parking lot;
- A swimming pool or aquatic park;
- Personal property that is not affixed to the land;
- Playground equipment, except that grant funds may be provided for up to 25% of the cost of the equipment not exceeding \$10,000 per project and all playground equipment grants may not exceed 5% of the total grants per year (see Budget Form for how this will be calculated);
- Staffing or outside consultants except for costs for staffing or an outside consultant to design and implement an approved project based on the documented need of the applicant and the expenditures may not exceed 5% of the grant to a grantee if the grant exceeds \$250,000 and expenditures may not exceed 10% of the grant to a grantee if the grant is \$250,000 or less (see Budget Form for how this will be calculated);

- A building except for a building that is included as part of a comprehensive conservation plan for a new or expanded recreational project (see Budget Form for definition of comprehensive conservation plan and new or expanded recreational project); or
- A project in which the applicant is not directly involved in the execution and completion of the project.

Application Deadline

Applications for this grant round cycle are due on **July 15, 2018 at 5:00 p.m. CT.** All information, including attachments, must be submitted by that date. See instructions below for submission information.

Instructions

Please download this Word document (available on the Industrial Commission/Outdoor Heritage Fund Program website at <http://www.nd.gov/ndic/outdoor-infopage.htm>) to your computer and provide the information as requested. You are not limited to the spacing provided except in those instances where there is a limit on the number of words. After completing the application, save it and attach it to an e-mail and send it to outdoorheritage@nd.gov or print it and mail it to the address noted in the next paragraph.

Attachments in support of your application may be sent by mail to North Dakota Industrial Commission, ATTN: Outdoor Heritage Fund Program, State Capitol – Fourteenth Floor, 600 East Boulevard Ave. Dept. 405, Bismarck, ND 58505 or by e-mail to outdoorheritage@nd.gov. The application and all attachments must be received or postmarked by the application deadline. You will be sent a confirmation by e-mail of receipt of your application.

You may submit your application at any time prior to the application deadline. Early submission is appreciated and encouraged to allow adequate time to review your application and ensure that all required information has been included. Incomplete applications may not be considered for funding. **Any item noted with an * is required.**

Oral Presentation. Please note that you will be given an opportunity to make a ten-minute Oral Presentation at a meeting of the Outdoor Heritage Fund Advisory Board. These presentations are strongly encouraged.

Open Record. Please note that your application and any attachments will be open records as defined by law and will be posted on the Industrial Commission/Outdoor Heritage Fund website.

Name of Organization * Northern Plains Botanic Garden Society (NPBGS)

Federal Tax ID# * 45-0452728

Contact Person/Title * Vern Hunter, NPBGS Board Member

Address * P. O. Box 3031

City * Fargo

State * North Dakota

Zip Code * 58108-3031

E-mail Address * vernhunter907@gmail.com

Phone * 701 361-9930

List names of co-applicants if this is a joint proposal NA

MAJOR Directive: (select the Directive that best describes your grant request)*

Choose only one response

Directive A. Providing access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improving, maintaining and restoring water quality, soil conditions, plant diversity, animal systems and by supporting other practices of stewardship.

Directive C. Developing, enhancing, conserving and restoring wildlife and fish habitat on private and public lands; and

Directive D. Conserving natural areas and creating other areas for recreation through the establishment and development of parks and other recreation areas.

Additional Directive: (select the directives that also apply to the grant application purpose)*

Choose all that apply

Directive A. Providing access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improving, maintaining and restoring water quality, soil conditions, plant diversity, animal systems and by supporting other practices of stewardship.

Directive C. Developing, enhancing, conserving and restoring wildlife and fish habitat on private and public lands.

Directive D. Conserving natural areas and creating other areas for recreation through the establishment and development of parks and other recreation areas.

Type of organization: (select the category that describes your organization)*

State Agency

Political Subdivision

Tribal Entity

Tax-exempt, nonprofit corporation.

Project Name* Northern Plains Botanic Garden Edible Forest

Abstract/Executive Summary. **An Executive Summary of the project stating its objectives, expected results, duration, total project costs and participants.*** (no more than 500 words)

Objectives:

1. Provide substantive use of property that lies bare
2. Establish a destination for the Public
3. Bring community food groups together with the NPBGS to work in a concerted effort
4. Create a relaxing environment for resting, strolling and bird watching
5. Incorporate a variety of trees and shrubs with descriptive signage.
6. Provide a venue for adult and children's educational lectures, workshops and demonstrations
7. Grow edible fruits and nuts
8. Provide a haven for wildlife to include birds and insects
9. Demonstrate good stewardship of soil use.

Expected Results:

The Edible Forest will add an attraction to the park and increase citizen awareness and participation. A beautiful educational, and food-producing area will be created as an extension to the existing gardens, increasing the land's usefulness. The Community Food Groups will be brought together in a combined effort to nurture, grow and sustain the Edible Forest. Shrub and tree species will provide wildlife habitat that will attract a diversity of birds and beneficial insects to a historic urban park area.

Drawdown Schedule: (following is a scenario depending upon the date of award to the Northern Plains Botanic Garden Society – also see project schedule on page 8)

This scenario assumes there will be time to perform the following work in the Fall of 2018 after the award is made, depending upon the award amount, and the ability to receive acceptable contractor quotes at this late date. The first year drawdown will begin in the first month after the award – September, 2018, and continue monthly for four months. (approx.\$19,875, \$2,525, \$4,907 and \$817). The second year drawdown will begin in May, 2019 and the project is scheduled to be completed by August, 2019. (approximately 4 payments of \$3,000)

Participants:

The **NPBGS** Board is the sponsor, coordinator, and implementer. A network of NPBGS volunteers, staff and past Board members provides the site delivery system.

The **Fargo Park District** is the enabler, but provides **no funding.**

The Fence Contractor will sell and install the fence. Miscellaneous sub-contractors will do contract work – signage, paths, etc.

FARRMS Growing Together is a local Community Food Group

UGLY FOOD OF THE NORTH is a local Community Food Group

The Natural Resource Conservation Service

The **Arboretum Committee** members are the advising and participatory experts. Following are their affiliations:

Vern Hunter, Architect, NPBGS President
 Maurice Degrugillier, Retired Entomologist, former NPBGS Board Member and
 Volunteer Site Manager
 Jim Hanson, Landscape Architect and Project Designer
 Caroline McGuire, Ugly Food of the North Representative
 Sam Demarais, Fargo Park District Forester
 Jerry Raguse, Concordia College Grounds Supervisor
 Todd West, NDSU Plant Sciences Professor, Woody Plant Improvement Leader
 Jim Walla, Retired Plant Pathology Dept. Forest Pathologist, Owner, Northern
 Tree Specialties
 Dan Johnson, Electrician, Owner, Riverbend Hazelnuts, Hobby Arborist
 Dale Herman, Retired NDSU Plant Sciences Professor, Woody Plant
 Improvement former leader
 Jim Anderson, NPBGS Past President
 Brandi Malarkey, NPBGS Board Member, Botanical Artist
 Mindy Grantde Herrera, FAARMS, Director, Education Programs

Amount of Grant request \$ * \$33,601

Total Project Costs \$* \$84,801 (Note that in-kind and indirect costs can be used for matching funds)

A minimum of 25% Match Funding is required. Amount of Matching Funds \$* 46,060

Cash match: \$ 46,060
 In-kind match: \$ 4,310
 Indirect match: \$ 830

Source(s) of Matching Funds*

Please provide verification that these matching funds are available for your project. Note that effective as of July 1, 2015 no State General Fund dollars can be used for a match unless funding was legislatively appropriated for that purpose.

The matching funds are available in the general fund of the NPBGS. Verification is attached by NPBGS Board motion, financial institution statement, and budget. In addition, we intend to host a series of fundraisers specific to this project with our community food partners.

Certifications *

I certify that this application has been made with the support of the governing body and chief executive of my organization.

I certify that if awarded grant funding none of the funding will be used for any of the exemptions noted on Page 1 of this application.

Narrative

Organization Information – Briefly summarize your organization’s history, mission, current programs and activities. *

Include an overview of your organizational structure, including board, staff and volunteer involvement. (no more than 300 words)

History:

The NPBGS was established in 1998 with the mission to establish and develop a Botanic Garden, Conservatory, and grow an Arboretum. This proposed project will begin the Arboretum phase by growing an Edible Forest.

Organization:

The NPBGS motto is, “promoting community through gardening”.

The NPBGS Board of Directors is nine non-paid volunteers, elected annually at large by the general membership and can serve two three-year terms. Officers include a President, Vice President, Treasurer and Secretary. Officers can serve two three-year terms. The Board encompasses various skills including certified master gardeners, a botanist, an architect, graphic artists, all of whom are dedicated to NPBGS success.

Membership, Volunteers, and Staff:

General membership is 256. The core volunteer group is ten. There is one seasonal, contract worker.

Current Activities and Programs:

Completed work includes a master plan and greenhouse. Ongoing activities are planting and maintenance of numerous gardens including a butterfly garden, rain garden, children’s alphabet garden, sensory garden, food pantry gardens, woodland garden, and a Japanese Gate/entry dry garden.

NPBGS outreach demonstration activities in the community include:

1. Design and installation of seasonal interior and exterior plant displays for the West Acres Regional Shopping Center.
2. Management assistance for the Northern Plains Market at West Acres.
3. Planting and maintenance of the Neuropsychiatric Research Institute’s tropical garden atrium.
4. Growing food for the F-M Emergency Food Pantry (up to 2000 pounds of fresh vegetables and fruit in 2017).

NPBGS programs include quarterly and annual meetings with educational speakers. Educational and practical workshops include such as horticulture art classes, wool-dyeing using native plant dyes, birdbath construction, tree-planting demonstrations, and construction of beneficial insect hotels.

Purpose of Grant – Describe the proposed project identifying how the project will meet the specific directive(s) of the Outdoor Heritage Fund Program *

Identify project goals, strategies and benefits and your timetable for implementation. Include information about the need for the project and whether there is urgency for funding. Please indicate if this is a new project or if it is replacing funding that is no longer available to your organization. Identify any innovative features or processes of your project. Please note that if your proposal provides funding to an individual, the names of the recipients must be reported to the Industrial Commission/Outdoor Heritage Fund. These names will be disclosed upon request.

If your project includes tree/shrub/grass planting, please provide a planting plan describing the site design, planting methods, number of trees/shrubs by species and stock size, grass species and future maintenance. A statement certifying that the applicant will adhere to USDA-NRCS tree/shrub/grass planting specifications along with the name of the governmental entity designing the planting may be substituted for a planting plan.

If your project includes Section 319 program funding, please provide, in detail, the specific best management practices that will be implemented and the specific projects for which you are seeking funding.

If you are requesting funding for fencing, please note that the Board/Commission's preference is for a minimum cost share of 40% by the recipient. Please include detailed information on the type of fencing to be installed, whether funding is requested for boundary fencing, new or replacement of existing fencing, and/or cross fencing.

Goals:

To provide an attractive, educational, and productive area with public access in a presently non-productive, vacant area.

To increase the diversity of tree and shrub plantings, and wildlife habitat in an urban park.

To foster and promote community involvement and interaction in a public Edible Forest.

Strategies:

The Edible Forest project will be described and promoted at every opportunity to acquire volunteers and to encourage site visitations - in quarterly Newsletters, during events, special plant programs, and via social and traditional media outlets. A watering schedule with volunteer assignments will be assembled. Tree-planting demonstrations will be offered during the project planting. The skills of the Arboretum Committee and key volunteers will be utilized. The local food group organizations are involved in the planning, and will continue in the planting and management phases of the Edible Forest.

Educational guided tours will be held in the mature forest.

Strategic partnerships and collaborations with additional community groups will be established to increase the reach of educational programming, promote the planting of diverse edible species by private citizens and producers, increase the visibility of the recreational area, generate volunteers, and promote healthy living through activity and food security. Letters of support are attached to substantiate a few of our partners and collaborators.

Initial preparations and plantings will require additional volunteer recruitment and coordination. Ugly Food of the North has agreed to assist in this effort. Planting events may be used as educational events for other community organizations and community members.

Watering and other maintenance of plantings will follow standard NPBGS methods of recruiting and coordinating volunteer efforts and rely on the established membership as well as expanded community involvement.

Benefits:

Produce fruit and nut products. Demonstrate good soil use such as “permaculture” planting. Reduce soil erosion, reduce water runoff, increase CO2 sequestration. Add a regional attraction where urban dwellers interact with nature. Utilize integrated pest management techniques that can be duplicated in home orchards in order to reduce pesticide use on a much broader scale.

Educational events will invite larger participation of the community in this space. Increased volunteer base will bring more of the community and solidify broader community commitment to, and appreciation of, diverse plantings and conservation.

The conservation value will be demonstrated by plant diversity focusing on edible nuts and fruits that are hardy to this region. Insect diversity is expected to increase as well, including native pollinators, due to diversity of food source.

The space will serve as a public demonstration edible forest, unique in our area. The space will be available for community organizations to hold training, to gain volunteer experience in orchard care, and educational events. Interest by farmer training groups, local food groups, and recreational gardening groups has been expressed.

The Edible Forest will increase the attractiveness of the neighborhood by beautifying the area.

Timetable: (also refer to Drawdown Schedule on Page 4):

This timetable assumes an award date that will allow significant work in the late Fall of 2018. Project commencement will be in August or September, 2018. Fencing will be ordered as soon as possible after grant award, and actual construction completed in three weeks after materials arrive. Paths will be constructed in the 2018 Autumn months. Extension of the irrigation water lines with hose bibbs will be completed. The late-summer date start will not permit planting in 2018, but all plant material will be ordered and prepared in the winter months for 2019 summer planting appropriately scheduled for the individual plant type. This will be followed by mulch, tree trunk protection, watering, continuous care, brochures and signage with project completion in autumn, 2019.

Project Description:

The edible forest site is a trapezoidal area (see enclosed project plan and area master plan) of 42,000 square feet with adjacent space for future expansion. The 42,000 s. f. site for the edible forest is part of 15 acres of property which is owned by the Fargo Park District, for which the Northern Plains Botanic Garden Society has a Concession Agreement. The 15 acres of property is located near the corner of 28th Avenue and University Drive North with an address of 1211 28th Avenue North, Fargo North Dakota 58102.

The project plan shows a perimeter of taller plant material and an elliptical walkway separating them from the lower shrubs and vines located in the center. The entire area is surrounded on four sides with a 6’ high wire fence with four 8’ gates. An irrigation line will be run from an existing greenhouse, with two outdoor hose bibb locations for water hoses.

The following lists the cultivar/selection, stock size, source, and estimated expense for cost, shipping, tax, etc. There are three pollinator areas for a total of approximately 6,000 square feet as shown on the project plan with 43 pollinator species (“pollinator mix for mesic to wet soils”).

Plant cultivars/selections for edible forest – Plant type, number of plants, estimated mature width, cultivar/selection, stock size, source, and estimated expense [cost, shipping, tax]

- 1a Apple Twist - 1 tree, ~18' (2 trees with trunks twisted together - Honeycrisp/Honeygold/7 Gallon container stock from S and S Landscaping, \$92)
- 1b Multi-variety apple – 1 tree, ~25' (Dolgo crab/10 Gallon container stock base tree, donated by NTS, then donated top-working with at least 8 apple cultivars by NTS, \$0)
- 2a1. Dwarf apple – 1 tree, ~10' (Honeycrisp/2-5' Bareroot from Fedco, \$35.88)
- 2a2. Semi-dwarf apple – 1 tree, ~15' (Honeycrisp/3-6' Bareroot from Fedco, \$35.88)
- 2a3. Standard apple – 1 tree, ~25' (Honeycrisp/3-6' Bareroot from Fedco, \$35.88)
- 2b. Standard apples – 2 trees, ~25' (Haralson & Zestar/5' Bareroot from Sheyenne Gardens, \$34.40 ea = \$68.80)
- 3a. Multi-variety pear – 1 tree, ~25' (purchase Mountain Frost pear tree/4-5' Bareroot base tree from Bergesons, then donated top-working with at least 8 pear cultivars by NTS, \$58.78)
- 4a. Shipova – 1 tree, ~18' (Pear x Mountain-ash hybrid/3-5' Bareroot, from Jung, \$29.62)
- 4b. Rabina Mountain-ash – 1 tree, ~14' (edible mountain-ash/3-5' Bareroot, from Jung, \$29.62)
- 5. Juneberry – 4 shrubs, ~10' (JB30, Lee 3, Lee 8, Honeywood/all 12-20' container stock, from Honeyberry USA, \$81)
- 6. Apricot – 2 trees, ~20' (Brookcot/5-6' Bareroot from Bergeson, Adirondak Gold/7' container stock from NTS, \$64.13 + \$37.63 = \$101.76)
- 7a. Plum – 1 tree, ~15' (Pembina Plum/3-6' Bareroot from Fedco, \$36.89)
- 7b. Multi-variety plum – 1 tree, ~15', (purchase Bounty plum/3' container stock base tree purchased from NTS, then donated top-working with at least 8 plum cultivars by NTS, \$10.75)
- 8. Tart cherry – 2 trees, ~15' (North Star & Meteor/3-4' Bareroot from One Green World, \$36.95 = \$37.95 = \$74.90)
- 11. Hardy peach – 1 tree, ~18' (Hardy peach/3-4' container stock from NTS, \$53.75)
- 16. Butternut – 2 trees, ~ 30' (Stark Bountiful/1-2' container stock from Stark Bros, seedling/1.5-2' Bareroot from Bergeson, \$44.95 + \$5.34 = \$50.28)
- 17a. Grape Cultivar 1 – 2 vines (Somerset Seedless Red table grape/1' potted liner from Aberfoyle, \$32.50)
- 17b. Grape Cultivar 2 – 2 vines (Magenta Seedless Red table grape/1-2' Bareroot from Hardy Fruit Tree Nursery, \$32)
- 17c. Grape Cultivar 3 – 2 vines (St. Theresa Seedless Blue table grape/2-3' Bareroot from Aberfoyle, \$31.50)
- 18. Northern Kiwi, Male & Female cultivars – 2 vines (Ananasnaya (F) & Meader (M)/10-16" container stock from HoneyberryUSA, \$21)
- 19. Honeyberry, early-ripening cultivars – 8 plants, ~6' (Aurora, Honey Bee, Sugar Mountain, & Berry Smart/1-2' container stock; Indigo Gem, Indigo Treat, & Borealis/10-16" container stock; Tundra/6-16" container stock, all from HoneyberryUSA, \$137)
- 20 Aronia berry – 3 plants, ~6' (Viking/1 year container stock from HoneyberryUSA, Nero/1 Gallon container stock from Whitman Farms, McKenzie/2-0 Bareroot from Big Sioux Nursery, \$15 + \$22.60 + \$32 = \$59.60)
- 22a. White Currant cultivar 1 – 2 plants, ~4' (White Imperial/8-12" Bareroot from Whitman Farms, \$21.60)
- 22b. White Currant cultivar 2 – 2 plants, ~4- (Swedish White/1 Gallon container stock from OneGreenWorld, \$55.90)

- 23a Black Currant cultivar 1 – 2 plants, ~4' (Black Down/18" Bareroot from Whitman Farms, \$21.60)
- 23b Black Currant cultivar 2 – 2 plants ~4' (Minaj Smyriou/18-24" Bareroot from Whitman Farms, \$23.60)
- 23c Black Currant cultivar 3 – 2 plants, ~4' (Titania/18-24" Bareroot from Whitman Farms, \$23.60)
- 28a Red Raspberry cultivar 1 – 2 plants (Autumn Britten/1 G container stock – primocane - from One Green World, \$45.90)
- 28b Red Raspberry cultivar 2 – 2 plants (Killarney/1 Gallon container stock – floricanes – from Jung, \$20.09)
- 28c Red Raspberry cultivar 3 – 2 plants (Latham/1 Gallon container stock – floricanes – from Jung, \$20.09)
- 29 Yellow Raspberry – 2 plants (Fall Gold/1 Gallon container stock from One Green World, \$55.90)
30. Mulberry – 1 tree, ~30' (Trader/2-3' container stock, donated by NTS, \$0)
- 31a. Strawberry cultivar 1 - 25 plants (Honeyoye/Bareroot from Jung, \$15.64)
- 31b. Strawberry cultivar 2 – 25 plants (Jewel/Bareroot from Jung, \$15.64)
- 31c. Strawberry cultivar 3 – 25 plants (Wendy/Bareroot from Jung, \$15.64)
- 32 Black Raspberry – 2 plants (Pequot Lakes/1 Gallon container stock from One Green World, \$45.90)
33. Purple Raspberry – 2 plants, row about 12' wide x 16' long (Amethyst/2-3' container stock from NTS, \$32.25)
34. Pollinator plot seeds – 43 pollinator species ("Pollinator mix for mesic to wet soils" for three 2,000 square foot plots, \$122.10)

Total expense for trees, shrubs, canes, vines, and pollinator mix is \$1,634.85

Above, where there are two numbers separated by a dash, the first number is the cultivar number and the second number is how many of that cultivar is to be planted. It could have been written as "Grape cultivar #1 – 2 vines." The first instance of that is 17a, Grape cultivar 1, where 2 vines of Somerset seedless red table grape plants will be planted.

As a further description and numbers of the trees, bushes, etc., we provide the following information:

- 20 trees
- 27 shrubs/bushes
- 8 vines
- 12 brambles/canes
- 75 other (strawberry plants)

The total number of plants in the plan is 142. It wasn't clear as to how strawberries should be grouped into an edible forest, but they are still included in the plant count. Without the strawberry plants, the number of woody plants is 67.

Not included above is the number of pollinator plants. Those will be mostly seeded in, and it is felt that it is not appropriate to include the number of pollinator plants with the number of other plants in the edible forest. There are 18 types of fruits and nuts, e.g., apple, pear, raspberry. There are 73 cultivars/selections of fruits and nuts in the orchard (including those that will be grafted on the multiple-variety trees).

Management of Project – Provide a description of how you will manage and oversee the project to ensure it is carried out on schedule and in a manner that best ensures its objectives will be met.*

Include a brief background and work experience for those managing the project:

Jim Hanson, Landscape Architect and Designer, has designed and supervised construction of numerous landscape projects in the upper Midwest, and is a registered Landscape Architect.

Board member Jerry Raguse has planted and maintained the horticulture elements on the Moorhead Minnesota Concordia Campus, Sam Demarais is the Fargo Park District Forester responsible for planting, pruning and diseased tree removal in the District's park locations, Jim Walla, and Dan Johnson are experienced in the planting, and maintenance of tree/plant projects. (see their credentials in the Arboretum Committee list)

Maurice Degrugillier works daily on the site, and has experience in planting and maintaining most of the plants and trees on the site.

Assisting with community visibility and engagement will be Caroline McGuire and Brandi Malarkey. Caroline is a community organizer who is affiliated with several food organizations in the FM area and is knowledgeable with local food issues. She has over 5 years of experience in nonprofit development, specifically volunteer management. Brandi Malarkey is a local botanical artist with twenty years of non-profit experience in communication, project management, administration, and volunteer organization.

Evaluation – Describe your plan to document progress and results. *

How will you tell if the project is successful? Please be specific on the methods you will utilize to measure success. Note that regular reporting, final evaluation and expenditure reports will be required for every grant awarded.

Monthly meetings of the Arboretum Committee will be held to analyze the progress and/or problems incurred in the project. Minutes of the meetings will be given to the NPBGS Board of Directors and Park District and used as the basis for periodic reports to the Industrial Commission. The survival of plantings and their production of fruits and nuts will be an indication of the success of our methods. Visitation to workshops and participation in planting and maintenance of the site will be an indication of value and interest in the project. The food group committees' participation will be an indication of its success. The number of volunteers and their service hours donated to the project will also serve as a gauge for success. (see appendix for volunteer tracking sheet)

Ugly Food of the North has agreed to track the number of volunteers and volunteer hours during the establishment phase of the Forest project.

The number of local food groups and other organizations lending support, volunteers, and resources to the project will be tracked and reported.

The number of new plant species introduced onto the land will serve as a measure of conservation goals.

The number of educational events and participation numbers at those events will be tracked and reported to NPBGS by community organizations using the Edible Forest.

Financial Information

Project Budget – Using the standard project budget format that is available on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm>, please include a detailed total project budget that specifically outlines all the funds you are requesting. Note that a minimum of 25% match funding is required.*

The project budget should identify all matching funds, funding sources and indicate whether the matching funds are in the form of cash or in-kind services. Effective July 1, 2015 no State General Fund dollars can be used for a match unless funding was legislatively appropriated for that purpose. As noted on the standard project budget format, certain values have been identified for in-kind services. Please utilize these values in identifying your matching funds. **NOTE: No indirect costs will be funded.**

X I certify that a project budget will be sent to the Commission*

Sustainability – Indicate how the project will be funded or sustained in future years. *

Include information on the sustainability of this project after all the funding from the Outdoor Heritage Fund has been expended and whether the sustainability will be in the form of ongoing management or additional funding from a different source.

The Area including the plants will be maintained by ongoing management volunteers, staff and Board as soon as planting begins. The work will be consistent with attention paid to all the gardens. Funds for future maintenance will be budgeted from the general fund. Future funding will be acquired by the usual methods of fundraising, membership, special programs, grants, and donations.

Partial Funding – Indicate how the project will be affected if less funding is available than that requested. *

There are several options to consider depending upon the grant amount – 1. Eliminate the fence from the project and do partial planting of a portion of the proposed plants on the planting plan. Without fencing there is danger of loss of security and plant material because of the abundance of critters, rabbits, and deer near the site. or- 2. Install the fence and remove the amount of amenities and planting to meet the budget. Completion of the planting plan, sidewalks, etc., would be phased for future years depending upon the success of fundraising efforts. These options would delay the benefits of the project as described and create a project of less quality as proposed in this application.

Partnership Recognition - If you are a successful recipient of Outdoor Heritage Fund dollars, how would you recognize the Outdoor Heritage Fund partnership? * Please note it is a requirement that there be signage at the location of the project acknowledging the funding from the Outdoor Heritage Fund if appropriate for your project.

Part of the project is signage – two interpretive entry signs, one with a path layout and description/location of the edible forest plants, and a second interpretive sign with description of the project with credits given to all participant organizations, including and highlighting funds from the Outdoor Heritage Fund.

Individual plant groupings will be signed at ground level with the common and scientific names and a short description of the plant characteristics. A brochure will be printed with the

above information included, and a more-detailed explanation of the planting theories, methods and relationships, with credit given to the Outdoor Heritage Fund.

Scoring of Grants

All applications will be scored by the Outdoor Heritage Fund Advisory Board after your ten-minute oral presentation. The ranking sheet(s) that will be used by the Board is available on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> .

Awarding of Grants*

All decisions on requests will be reported to applicants no later than 30 days after Industrial Commission consideration. The Commission can set a limit on duration of an offer on each application or if there isn't a specific date indicated in the application for implementation of the project, then the applicant has until the next Outdoor Heritage Fund Advisory Board regular meeting to sign the contract and get the project underway or the commitment for funding will be terminated and the applicant may resubmit for funding. Applicants whose proposals have been approved will receive a contract outlining the terms and conditions of the grant. Please note the appropriate sample contract for your organization on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> that set forth the general provisions that will be included in any contract issued by the North Dakota Industrial Commission. Please indicate if you can meet all the provisions of the sample contract. If there are provisions in that contract that your organization is unable to meet, please indicate below what those provisions would be. *

Responsibility of Recipient

The recipient of any grant from the Industrial Commission must use the funds awarded for the specific purpose described in the grant application and in accordance with the contract. The recipient cannot use any of the funds for the purposes stated under Exemptions on the first page of this application.

If you have any questions about the application or have trouble submitting the application, please contact Karlene Fine at 701-328-3722 or kfine@nd.gov

Budget Standard Form

Please use the table below to provide a detailed total project budget that specifically outlines all the funds you are requesting and the matching funds being utilized to fund this project. Please note if the matching funds are in the form of cash, indirect costs or in-kind services. The budget should identify all other committed funding sources and the amount of funding from each source. Match can come from any source (i.e. private sources, State and Federal funding, Tribal funding, etc.) Effective as of July 1, 2015 no State General Fund dollars can be used for a match unless funding was legislatively appropriated for that purpose. Note a minimum of 25% match funding is required. An application will be scored higher the greater the amount of match funding provided. (See Scoring Form.)

Please feel free to insert columns and rows as needed. Please include narrative to fully explain the proposed budget.

Note that NO INDIRECT COSTS will be funded from the Outdoor Heritage Fund. Also by law several items are ineligible for funding -- see Exemptions in the Application Form. Effective June 10, 2015 the following guidelines were approved by the Industrial Commission:

NO CONSIDERATION:

In addition to those specific items in law that are ineligible for funding, in the absence of a finding of exceptional circumstances by the Industrial Commission, the following projects will NOT receive consideration for funding:

- A completed project or project commenced before the grant application is submitted;
- A feasibility or research study;
- Maintenance costs;
- A paving project for a road or parking lot;
- A swimming pool or aquatic park;
- Personal property that is not affixed to the land;
- Playground equipment, except that grant funds may be provided for up to 25% of the cost of the equipment not exceeding \$10,000 per project and all playground equipment grants may not exceed 5% of the total grants per year; (See Definitions/Clarifications below)
- Staffing or outside consultants except for costs for staffing or an outside consultant to design and implement an approved project based on the documented need of the applicant and the expenditures may not exceed 5% of the grant to a grantee if the grant exceeds \$250,000 and expenditures may not exceed 10% of the grant to a grantee if the grant is \$250,000 or less; (See Definitions/Clarifications below)
- A building except for a building that is included as part of a comprehensive conservation plan for a new or expanded recreational project; (See Definitions/Clarifications below)
- A project in which the applicant is not directly involved in the execution and completion of the project

	OHF Request	Applicant's Match Share (Cash)	Applicant's Match Share (In-Kind)	Applicant's Match Share (Indirect)	Other Project Sponsor's Share	Total Each P Expense
Fencing (1)	\$ 19,875	\$ 19,875				\$ 39,750
Planting (2)	\$ 525	\$ 525	\$1,035			\$ 2,085
Plants (3)	\$ 817	\$ 817	\$ 2,375			\$ 4,009
Mulch(4)	\$ 1,050	\$ 1,050	\$ 360			\$ 2,460
Six Benches & Trash Receptacles (5)	\$	\$ 12,012		\$ 30		\$12,042
Irrigation (6)	\$ 2,525	\$ 2,525	\$ 240	\$ 800		\$ 6,090
Signage(7)	\$ 1,395	\$ 1,395	\$ 300			\$ 3,090
Path Construction(8)	\$ 2,507	\$ 2,508				\$ 5,015
Printed Brochure (9)	\$	\$ 446				\$ 446
Site Prep, Seeding & Hydromulch (10)	\$ 4,907	\$ 4,907				\$ 9,814
	\$ 33,601	\$ 46,060	\$ 4,310	\$ 830	\$	\$ 84,801
						Total Costs

Notes: (no's correspond to project expense numbers above)

- Contractors estimate for 804 l.f., 6' high, new wire boundary fence with four 8' gates. Must pay ½ total up-front. One-half cost listed match share cash. See attached brochure sheets. The Natural Resource Conservation Service has a staff engineer that will donate the survey layout of the property and fence line.
- Three day backhoe rental @ \$350 per day to plant trees and grade. One-half cost listed as match share cash. Volunteer operators for 3 days, total 24 hours @ \$15 per hour and is noted as in-kind match (\$360). An additional \$675 is in-kind match for volunteers to mark the planting sites and be present to plant after the backhoe does the excavation. It is estimated that about 45 hours of labor will be required to prep the area and plant. This is based upon one hour per tree; 30 minutes per shrub, vine, and bramble, and one hour per strawberry bed of 25 plants each totaling \$675 at \$15 per hour. The NRCS will work with the NDSU soils specialists to secure soil tests. This cost is not determined at this time, but will be paid by the NPBGs
- See attached Tree and Plant list with costs, size and amounts. See attached planting plan. Product cost includes delivery, tree trunk protection, including a 10% add for 2019 delivery. One-half the cost is included as match share cash. The remaining in-kind match donation (\$2,375) is by Jim Walla (Northern Tree Specialties) and includes \$100 for a Dolgo crabapple base tree and \$750 for top-working it to make it a multi-variety apple tree, \$750 for top-working a base Mountain Frost pear tree to make it a multi-variety pear tree, \$750 for top-

working a base Bounty plum tree to make it a multi-variety plum tree, and \$25 for a 2 to 3 foot tall Trader Mulberry tree.

4. Three inches of Hardwood Landscape Mulch estimated at \$75 per cubic yard for 28 cubic yards equals \$2100, and one half is included as cash match. Volunteers will prepare around tree and place mulch for 24 hours @\$15 per hour and is noted as in-kind match.
5. Six Belson outdoor 6' steel benches. Six trash receptacles. Benches and receptacles are cash match. Volunteers will do assembly for 2 hrs @ \$15. Listed as indirect cost.
6. Approximately 300' of 1 ½" plastic pipe extended from existing greenhouse meter. There will be hose bibbs and accessory quick-couplers connections to new fence picket in two locations @ \$75 each listed as match share cash. Site manager volunteer will dig and connect, install piping and accessories in 16 hours @ \$15 per hour and listed as in-kind. Water at \$200 for two seasons plus watering management by volunteers for 40 hours @ \$15 listed as indirect share cost.
7. Two 2'x3' interpretive site signs and posts showing Forest layout, credits, plant list and location is \$2070 including \$100 for installation materials such as concrete. \$1035 is included for cash match share. Interpretive sign installations labor of 16 hours at \$15/hr is \$240 listed as in-kind match. Individual staked marker signs – 36 @ \$ 20 each with generic name and key elements of individual plants, equals \$720 total, and \$360 is included as cash match share. Installed by volunteers for \$15 per hour for 4 hours- Installation added as in-kind match.
8. Class 5 aggregate, 4 ½ ft.x 637 l.f., 3" thick over landscape fabric, contractors estimate of 2.866 sf @ \$1.75. One half listed as cash match.
9. Printed brochures will tell the story of the Edible Forest, have a plan with locations, give pertinent horticulture information and planting principles, give credit to the participants including the Outdoor Heritage Fund. Listed as cash match share.
10. Site prep including weed kill, seeding, hydro mulching after seeding for 39,263 sf @.25/sf.

DRAW TEXT BOX FOR DETAILS HERE

In-kind services used to match the request for Outdoor Heritage Fund dollars shall be valued as follows:

- Labor costs \$15.00 an hour
- Land costs Average rent costs for the county as shown in the most recent publication of the USDA, National Agricultural Statistics Services, North Dakota Field Office
- Permanent Equipment Any equipment purchased must be listed separately with documentation showing actual cost. (For example: playground equipment)
- Equipment usage Actual documentation
- Seed & Seedlings Actual documentation
- Transportation Mileage at federal rate
- Supplies & materials Actual documentation

More categories will be added as we better understand the types of applications that will be submitted. We will use as our basis for these standards other State and Federal programs that have established rates. For example the North Dakota Nonpoint Source Pollution Management Program has established rates. If your project includes work that has an established rate under another State Program please use those rates and note your source.

Definitions/Clarifications:

Building - Defined as "A structure with a roof either with walls or without walls and is attached to the ground in a permanent nature."

Comprehensive Conservation Plan - Defined as "A detailed plan that has been formally adopted by the governing board which includes goals and objectives--both short and long term, must show how this building will enhance the overall conservation goals of the project and the protection or preservation of wildlife and fish habitat or natural areas." This does not need to be a complex multi-page document. It could be included as a part of the application or be an attachment.

New and Expanded Recreational Project means that the proposed building cannot be a replacement of a current building. The proposed building must also be related to either a new or expanded recreational project--either an expansion in land or an expansion of an existing building or in the opportunities for recreation at the project site.

Playground equipment calculation - Only the actual costs of the playground equipment (a bid or invoice showing the amount of the equipment costs must be provided) - cannot include freight or installation or surface materials or removal of old equipment, etc.

Staffing/Outside Consultants Costs - If you are requesting OHF funding for staffing or for an outside consultant, you must provide information in your application on the need for OHF funding to cover these costs. For example, if you are an entity that has engineering staff you must explain why you don't have sufficient staff to do the work or if specific expertise is needed or whatever the reason is for your entity to retain an outside consultant. If it is a request for reimbursement for staff time then a written explanation is required in the application of why OHF funding is needed to pay for the costs of that staff member(s)' time. **The budget form must reflect on a separate line item the specific amount that is being requested for staffing and/or the hiring of an outside consultant.** This separate line item will then be used to make the calculation of 5% or 10% as outlined in the law. Note that the calculation will be made on the grant less the costs for the consultant or staff.

Recommended by OHF Advisory Board: October 17, 2013

Approved by Industrial Commission: October 22, 2013

Revisions recommended by OHF Advisory Board: January 22, 2014

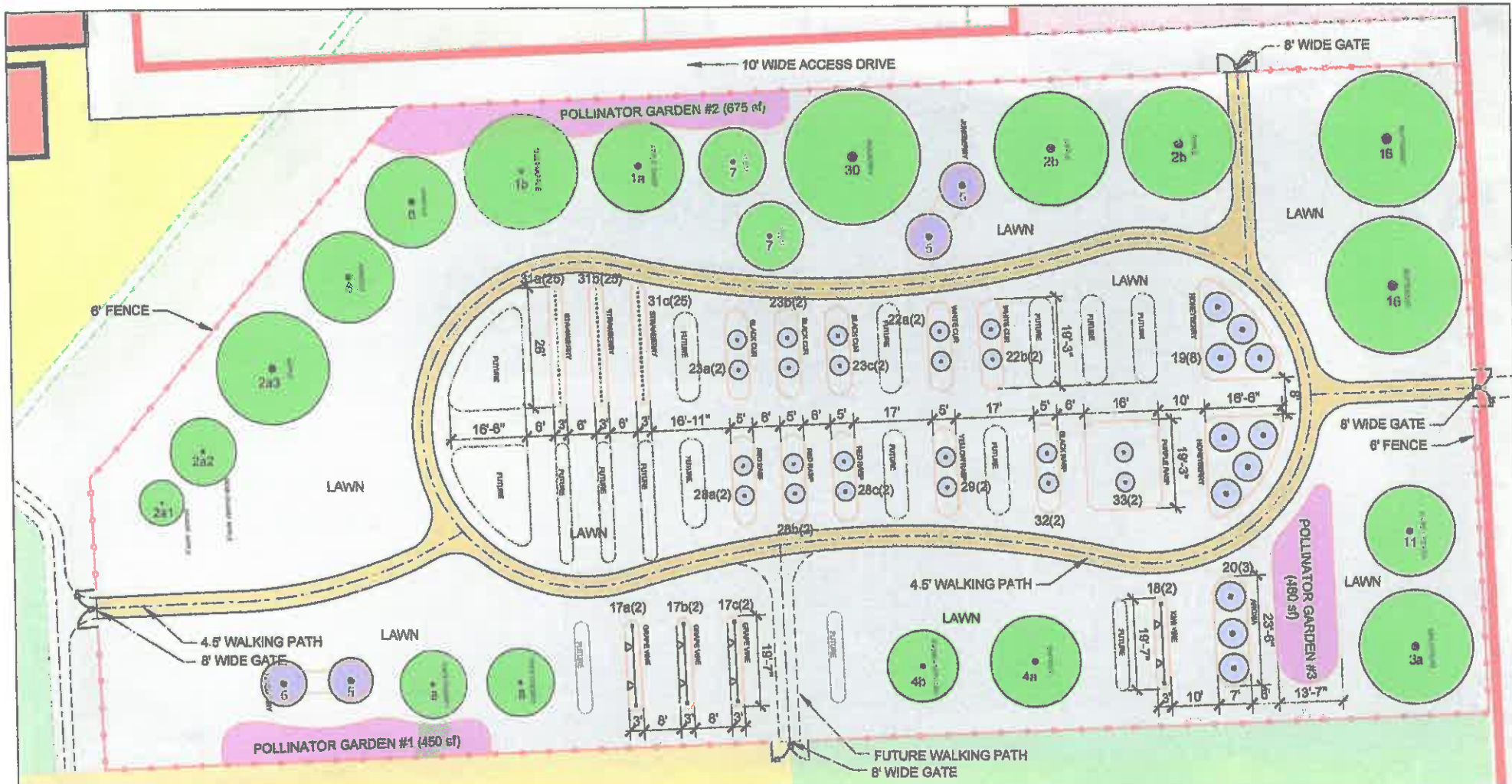
Approved by Industrial Commission: January 29, 2014

Revisions recommended by OHF Advisory Board: May 13, 2014

Approved by Industrial Commission: May 27, 2014

Revisions recommended by OHF Advisory Board: June 3, 2015

Approved by Industrial Commission: June 10, 2015



PLANT LEGEND

SYM.	PLANT	QUANTITY	SYM.	PLANT	QUANTITY	SYM.	PLANT	QUANTITY
1a	Apple Twist	1 qty.	7	Plum	2 qty.	22b	White Currant cultivar	2 qty.
1b	Multi-variety Apple	1 qty.	8	Tart Cherry	2 qty.	23a	Black Currant cultivar	2 qty.
2a1	Dwarf Apple	1 qty.	11	Hardy Peach	1 qty.	23b	Black Currant cultivar	2 qty.
2a2	Semi-dwarf Apple	1 qty.	16	Butternut	2 qty.	23c	Black Currant cultivar	2 qty.
2a3	Standard Apple	1 qty.	17a	Grape cultivar	2 qty.	28a	Red Raspberry cultivar	2 qty.
2b	Standard Apple	2 qty.	17b	Grape cultivar	2 qty.	28b	Red Raspberry cultivar	2 qty.
3a	Multi-variety Pear	1 qty.	17c	Grape cultivar	2 qty.	28c	Red Raspberry cultivar	2 qty.
4a	Shipova	1 qty.	18	Northern Kiwi	2 qty.	29	Yellow Raspberry	2 qty.
4b	Rubina Mtn. Ash	1 qty.	19	Honeyberry	8 qty.	30	Mulberry	1 qty.
5	Juneberry	4 qty.	20	Aronia Berry	3 qty.	31a	Strawberry cultivar 1	25 qty.
6	Apricot	2 qty.	22a	White Currant cultivar	2 qty.	31b	Strawberry cultivar 2	25 qty.
						31c	Strawberry cultivar	25 qty.
						32	Black Raspberry	2 qty.
						33	Purple Raspberry	2 qty.

SCALE 1"=20'-0"



EDIBLE FOREST Phase 1 Plan for;
Northern Plains Botanic Gardens
 Northern Plains Botanic Garden Society
 REVISED 3/2018



Northern Plains
 Botanic Garden Society

UNIVERSITY DRIVE NORTH

28TH AVENUE

CHILDREN'S MUSEUM

HOMEWARD ANIMAL SHELTER

LEGEND

- 1 GREENHOUSE
- 2 BOTANIC GARDENS
 - Pergola Patio
 - Wisteria Bench
 - Mum Garden
 - Alerus Butterfly Garden
 - Stump Gardens
 - Rain Garden
 - Hummingbird Garden
 - Living Fence
- 3 BOTANIC GARDEN EXPANSION
- 4 WOODLAND GARDEN
- 5 JAPANESE ENTRY GARDEN
- 6 JAPANESE GATE
- 7 FUTURE JAPANESE GARDEN
 - Tea House
 - Koi Pond
- 8 JAPANESE GARDEN EXPANSION
- 9 ARBORETUM EXPANSION
- 10 EDIBLE FOREST/ARBORETUM
- 11 OUTDOOR WILDLIFE LEARNING SITE
- 12 GAZEBO
- 13 ALPHABET GARDEN
 - Children's Garden
- 14 FUTURE GARAGE
- 15 OUTDOOR BULK STORAGE AREA

Scale 0' 40' 80'

1" = 40'-0"



NPBGS Boundary

NORTHERN PLAINS BOTANIC GARDEN SOCIETY

March 15, 2018

THIS PLAN IS GENERAL IN NATURE. EXACT BOUNDARIES AND LOCATIONS WILL BE DETERMINED BY ON-SITE CONDITIONS.

APPENDIX



BUDGET

<u>INCOME SOURCE</u>	<u>AMOUNT \$</u>
2017 NET INCOME CARRYOVER	30,234.74
ND OUTDOOR HERITAGE FUND GRANT	20,000
FOUNDATION GRANTS & DONOR FUNDS	5,000
INDIVIDUAL & BUSINESS CONTRIBUTIONS	8,000
ANNUAL PLEDGES	2,000
MEMBERSHIP DUES	8,000
MEMORIALS	1,000
BANK ACCOUNT INTEREST	16
WEST ACRES CONTRACT/PROJECT	30,000
WEST ACRES PROJECT PAYMENT FOR PLANTS/SUPPLIES	10,000
TEA TICKET SALES*	2,400
TEA SPONSORS*	1,500
TEA DONATIONS*	68
TEA BOUTIQUE SALES*	2,061
SPRING PLANT SALE	4,000
FARMERS' FRESH MARKET AT WEST ACRES	5,000
PROGRAM WORKSHOP & CLASSES - FEES	1,000
FUTURE FUNDRAISER IN THE FALL (SEPT or OCT)	5,000
FUNDRAISING LETTER (Edible Forest Campaign)	5,000
FUNDRAISING LETTER (GARDEN/GENERAL SUPPORT)	5,000
EDIBLE FOREST PARTNERS FUNDRAISING	2,000
CREDIT FROM US BANK/MERCH. CREDIT CARD FEES	1,121
SUBTOTAL	118,166
SUBTOTAL + 2016 CARRYOVER	148,400.74

<u>EXPENSE</u>	<u>AMOUNT \$</u>
DUES & SUBSCRIPTIONS	400
ACCOUNTING FEES	1,500
LEGAL FEES	1,000
CONTRACT SERVICES	1,500
CONTRACT GARDENER	12,000
PROPERTY INSURANCE	0
LIABILITY INSURANCE, D & O	2,500
UTILITIES - SEWER, WATER, GARBAGE, ELEC., ETC.	2,000
PAY PAL	100
WEBSITE	5,000
MERCHANT SERVICE FEE (credit card processing)	1,300
CREDIT CARD MACHINE RENTALS	2,000

EVENTS: FOOD	5,000
EVENTS: SUPPLIES	2,500
EVENTS: PR EXPENSES	2,500
MARKETING: WEST ACRES PROJECT EXPENSES	10,000
GARDEN: PLANTS, SUPPLIES, EQUIPMENT	6,000
GARDEN: DRY GARDEN	10,000
GARDEN: EDIBLE FOREST	40,000
BUILDING: CHEMICALS, PAINT, SUPPLIES, EQUIP.	6,000
BUILDING: STORAGE GARAGE	20,000
BUILDING: ENTRY SIGN	1,500
BOARD: MEETINGS, CONFERENCES, TRAINING	500
BOARD: TRAVEL & PER DIEM TRAVEL COSTS	1,000
OFFICE: POSTAGE, MAILING SERVICES	2,000
OFFICE: PRINTING & PHOTOCOPYING	2,000
OFFICE: STATIONERY & OFFICE SUPPLIES	1,000
OFFICE: BANK SERVICE CHARGES	100
OFFICE: PHONE & INTERNET	1,000
OFFICE: RENT	5,000
PROGRAMS: SPEAKERS, TRAVEL, WORKSHOPS, MEETINGS	3,000
Subtotal Expenses	148,400
TOTAL	148,400.00

**NORTHERN PLAINS BOTANIC GARDEN SOCIETY
BOARD MEETING MINUTES**

At the NRI Atrium, 700 1st Ave S, Fargo

19 April 2018

Attending: President Vern Hunter, Secretary Lisa Brown, Treasurer Ruth Morton, and Brandi Malarkey. **Unable to Attend:** Ann Riley, Bill Fradet and Vice President Jerry Raguse. We determined that we had a quorum present. President Hunter convened the meeting at 7:05 p.m.

Minutes: The Minutes of the March 15th Board Meeting were reviewed. Brandi made a motion to approve the Minutes as written, which Ruth seconded. The Minutes were approved.

Treasurer's Report: Ruth distributed two Quickbooks-generated reports: a Balance Sheet through 19 April 2018, and a Profit and Loss Statement from 1 January – 19 April 2018. Ruth had merged the two funds pertaining to the Japanese Garden into one Japanese Garden Fund (restricted). Also noted was the Dry Garden Fund of \$4,430 (restricted; net profit from the recent *Tea Time at the Atrium* fundraiser). The Calendar Raffle Account for 2017 was in a separate checking account that was not maintained by the accountant, and the updated information had not been entered into Quickbooks. That checking account was closed and the small balance was transferred to general operating funds, so this line item is zero and no longer needed. It was noted that the Alerus Financial CD is actually this restricted fund: *Martha Lee Conservatory Fund*. Ruth will update the Quickbooks accounts once she receives all Treasurer's information and resources from past Treasurer Bill Fradet. Checking account balance is \$69,082.73, the unrestricted Savings is \$5,753.06, and restricted Savings is \$15,392.73. We had questions about accounting definitions such as "accounts receivable" and "liabilities". Once updates are made re: Martha Lee Conservatory Fund (restricted) and the eliminated calendar raffle account, we will have a better accounting of total assets. Lisa made a motion to approve the Treasurer's Report, which Brandi seconded. The report was approved.

Food Pantry Vegetable Gardens – Future Location(s): We agreed that we want vegetable gardens at the Botanic Garden, and we seek appropriate locations. This will need design elements and clear planning. It was suggested to develop a path just east of the Rain Garden wall, then develop vegetable gardens east of there. Ruth suggested asking Jim Hanson, who designed the Edible Forest plan, to help with the design. We want Maurice Degrugillier, Shaun Schipper and Kris Schipper to be involved in the planning. We agreed that the Garden Committee needs to look at what features and designs will work in our growing zone. Ruth said a vegetable garden should have these key elements: 1) function; 2) intensive vegetable gardening production plots with clear rows for maintenance; and 3) demonstration vegetable garden areas that will show the public the possibilities for home vegetable gardening (for example, accessible gardening features). The Garden Committee needs to plan for future vegetable garden(s), as well as other theme gardens in a new Master Plan. We will keep the vegetable gardens in their current locations for this year, but we need to plan for next year. Vern noted that since the ND Outdoor Heritage Fund grant deadline was changed from August to October 1st, we will have no Edible Forest work this season that would impact on the current vegetable gardens.

Computer/Software Purchase: Ruth mentioned that the NPBGS laptop computer is now 6 years old (purchased in 2012), and a new laptop purchase (up to \$1,000, estimated) could wait

work on proposing changes to the website. Brandi will contact Dusty, and she will forward to this group the questions Dusty posed to her re: website changes. Once the website is updated, there will be an initial training session with Ecliptic Technologies. After this training, we should be able to make basic updates on our own. So, the process will be as follows: A) Confirm if John Zvirovski wants to be involved; B) Send Ecliptic's website questions to the website subcommittee; C) Contact Dusty Jones re: confirming requested changes and signing a contract for the website upgrade. It was noted that once a contract is signed, 50% of the fee is paid upfront, which is followed by a tight window of 45 days working on the website changes. Also, we have budgeted \$5,000 for the website for 2018.

Doing Business by E-Mail: Vern inquired what do we allow for business discussion via e-mail? We need to research the "do's" and "don'ts" of non-profit Board business via e-mail. Also of consideration: who and when to "copy" Board correspondence to non-Board persons? Lisa suggested that when we do make Board decisions via e-mail, they can be recorded in the Minutes for the next Board meeting, for clear communication and for our historical archives. Lisa will research best practices for non-profit Board business by e-mail.

Meeting with FPD Operations Manager David Bietz: Vern wants us to have a meeting with David Bietz. Lisa, Ruth, Vern and Brandi can meet with him, if schedules permit. The goal is to meet with him about our master plan, the 28th Ave N Northern Plains Botanic Garden site entry sign, our garden plans, etc. We want him to get to know us. Vern will contact David Bietz on Friday, April 20th, to set up a meeting as soon as possible.

OLD BUSINESS

Arboretum Edible Forest Update: Vern distributed the final, revised Edible Forest budget cost estimates. The total is \$84,801. The North Dakota Outdoor Heritage Fund grant deadline has been changed to a later date of October 1st. Vern had a copy of the final grant proposal, which included supplementary attachments of letters of support and photographs. Vern asked if we need to vote on approving the grant proposal. The proposal has been scrutinized and edited by a number of people, including Brandi and Caroline McQuire. Lisa mentioned that we discussed the grant proposal in detail at the March Board meeting, and the basic project has been approved by the Board. Past practice has been for a subcommittee (grant writing committee, in the past) to ensure the final version of the proposal, which has been done for this proposal. No vote was taken at the March Board Meeting about this budget, but the consensus was that "we have the money" for spending \$20,000 per year for this 2-year project, and it was understood that project budgets do change over time. Lisa requested a digital copy of the grant proposal narrative. Lisa made a motion to approve the Edible Forest Budget of \$84,801, which includes NPBGS' Match Share of \$39,831 in costs, plus NPBGS' Match Share in-kind contributions of \$4,310, and Match Share indirect costs of \$830, as listed in the budget. Ruth seconded the motion. All voted yes on this proposed budget. Vern will forward the proposal and budget to the Fargo Park District for their input and approval.

We discussed NPBGS income documentation that is required by the ND Outdoor Heritage Fund for this grant proposal. The following was suggested for our documentation: 1) Income and Expense Statement from our 2017 Annual Report; 2) Bell Bank Checking and Savings Account Statements from March, 2018 (or, whichever most recent month has occurred prior to the month



Phone: 701-235-0605

Fax: 701-252-7325

Estimate

5932 53rd Ave S
Fargo, ND 58104

chrise@newmanfencend.com

www.newmansigns.com

Date	Estimate #
4/19/2018	1-4488

Proposal Submitted To:
Hanson Landscaping Jim Hanson

Job Location

Description	Qty	Total
Budgetary Estimate for 804' of 6' Jerith Patriot Ornamental Wire Fence 6 Ga, 1 3/4" Spacing panels.	1	39,750.00
<p>Newman Quality Fences is not responsible for property pin location or irrigation system. Newman Quality Fences shall furnish only the materials and labor specified in this contract. Any changes made from the above specifications will be an additional billing. 50% down required prior to ordering materials or beginning work with balance due upon completion.</p>		<p>Total \$39,750.00</p>

Chris Ebeling

Newman Fence Representative
chrise@newmanfencend.com

Customer Signature



48" TALL 6 GAUGE



48" TALL 4 GAUGE



72" TALL 6 GAUGE

Specifications

- Available heights 48", 60", 72"
- Standard Colors Black only
- Components Made From Galvanized Steel
- Vertical Wires 2 gauge (.263")
4 gauge (.225")
6 gauge (.192")
- Vertical Wire Spacing (on center) 3 1/2" (1 3/4" for 6 gauge)
- Horizontal Wires 6 gauge
- Horizontal Rails 1" sq. x 18 gauge (.049")
- Posts 2" sq. x 16 gauge (.065")
- Post spacing 72" on center
- Weight Supported per Section 500+ lbs.

48" Tall

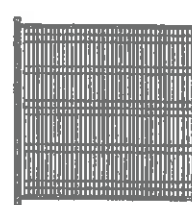
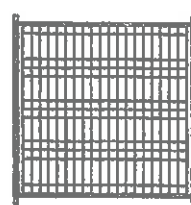
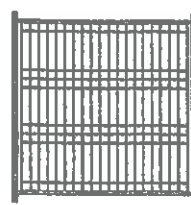
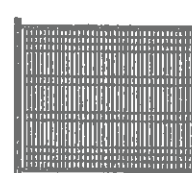
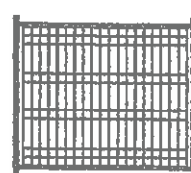
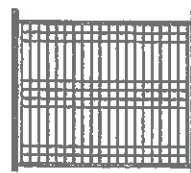
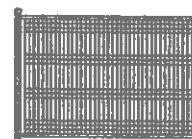
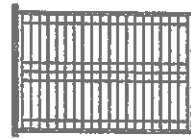
60" Tall

72" Tall

2 Gauge Verticals

4 Gauge Verticals

6 Gauge Verticals



Patriot Wire Fence Dimensions

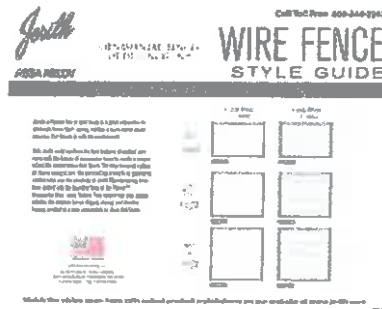
Patriot™ Ornamental Wire – The Elegant, Attractive, & Affordable Metal Fence Alternative to Chain Link

Jerith has united the warmth and old-world charm of wrought iron fence with the inexpensive functionality of chain link in our Patriot Ornamental Wire Fence System! This remarkable product satisfies the demand for an elegant, strong, and durable metal fence at a cost comparable to chain link. By using visually appealing mesh patterns and adding horizontal rails for a truly ornamental appearance, we have created an attractive metal fence that is unlike any other.



This remarkable fence was honored at the American Business Awards as winner of the "Best New Product or Service" category. The elegant "Stevie" trophy, as it is known, was presented to Jerith at a ceremony in New York City before 500 attendees. Hailed as "the business world's own Oscars" by the New York Post, the American Business Awards are the first national business awards program honoring great performances in the workplace.

Because our mesh uses heavy 4 and 6 gauge wires that are welded at each intersection, we achieve superior strength in this metal fence. The tubular steel rails welded above and below the wire mesh increase Patriot Fence's strength and rigidity even further. Tests performed on a section of Patriot Fence determined that this design can withstand a 550 pound load without any permanent deformation.



Our unique, patented mesh design gives Patriot Fence the "style" that chain link and other welded wire products lack. Vertical wires are either spaced 3½" apart to create a more open appearance similar to the pickets in a wrought iron fence, or 1½" on center for extra security. This narrow wire spacing is very difficult to climb and meets most building codes for swimming pool fences. Plus, the entire Patriot Fence system is galvanized and powder-coated for outstanding outdoor durability. This combination of features allows us to offer an 8-year warranty on the fence, including its finish. Patriot fence panels are 6' wide and are available in 4, 5, and 6 foot heights. They can also be stacked on top of each other to reach as high as 12 feet tall.

However, the best feature of the Patriot Fence is that it is priced just slightly more than vinyl-coated chain link, but much lower than other galvanized steel ornamental fences.

Handwritten initials "L G W"



Vern Hunter <vernhunter907@gmail.com>

irrigation price from building to future expansion

1 message

Chris Schock <chriss@shermansllc.com>
To: vernhunter907@gmail.com

Mon, Apr 2, 2018 at 10:30 AM

Vern

The below number is for the new irrigation line brought from the front of the building around to the rear and continue on roughly 300 feet with feeders coming off at various locations specified by you. The number includes trenching backfilling and interior reworking of plumbing where meter is located. The ¾ meter will be swapped out and exchanged with an 1 ½ meter and core holed through the wall and down into the ground as discussed.

Does not include seeding, sodding, replacement of pavers, bushes, gravel,

TOTAL: \$4,900.00

THANK YOU

Chris Schock



PRAIRIE PLANTS

Each prairie and wetland has several different types of plants. Some are tall and thin, some are short and bushy, and some are very small. The plants in this prairie are very different from the plants in a wetland. The plants in this prairie are very different from the plants in a wetland.



This plant is just a leaf of the soil. Some of grass. But not attached to the ground. Some plants are very small. Some plants are very tall. Some plants are very small. Some plants are very tall. Some plants are very small. Some plants are very tall.



16 South 16th Street Fargo, ND 58103 / Phone 701.235.1121 / www.knightprinting.com

Northern Plains Botanic Garden Society

March 14, 2018

Vern Hunter

Description: Brochure (8.5 x 11 fold in half to 5.5 x 8.5)

Quantity: 1,000

Size: 8.500 x 11.000

Paper: 100# Digital Edge Gloss Text

Prepress: Furnished Print Ready File, Any Alterations Needed Will Incur Additional Charges

Proofs: PDF

Scans:

Supplied:

Ink: Digital 4 color process 2 sides

Bleeds: Yes

Bindery: Fold to 5.5 x 8.5

Quantity: 1,000

Price: \$443.10

Very truly yours,
Susan Thibedeau

KNIGHT PRINTING COMPANY



Rachel Bush, State Coordinator
P.O. Box 3935
Dickinson, ND 58602
phone: 701-403-4853
rbush@pheasantsforever.org

May 14, 2018

Karlene Fine, Executive Director
North Dakota Industrial Commission
State Capitol – Fourteenth Floor
600 East Boulevard Ave., Dept. 405
Bismarck, ND 58505

ATTN: Outdoor Heritage Fund

Dear Ms. Fine:

Pheasants Forever is writing to express our support of the grant proposal “Northern Plains Botanical Garden Edible Forest” submitted by the Northern Plains Botanical Garden Society. We specifically support the portion of the project which includes the inclusion of the pollinator gardens within the edible forest project. These pollinator gardens will provide nesting and foraging areas for native pollinators. Native pollinators are very efficient pollinators. Pollination by native species is essential to the success of many of the planned edible forest species.

Pheasants Forever has worked through both State programs and our volunteer networks to increase education and outreach activities surrounding pollinators and their value to our food system as well as the value pollinator habitat provides to native North Dakota wildlife species. The inclusion of pollinator gardens within this urban edible forest will provide educational opportunities to residents of the Fargo/Moorhead area.

If this project is approved, Pheasants Forever will encourage our chapter volunteers within the Fargo/Moorhead area to reach out to the Northern Plains Botanical Garden Society for collaboration on future outreach activities.

Sincerely,
Pheasants Forever, Inc.

Rachel Bush
North Dakota State Coordinator

May 14, 2018

Outdoor Heritage Fund
State Capitol, 14th Floor
600 E Boulevard Ave, Dept. 405
Bismarck, ND 58505-0840

Dear Sir/Madam:

Ugly Food of the North is pleased to write this letter of commitment and support for the Northern Plains Botanical Garden's "Edible Forest/Arboretum" grant application through the North Dakota Outdoor Heritage Fund.

The Initiative's proposal for planting an edible forest within our community aligns perfectly with our group's mission to build a more sustainable food system through education, networking and community organizing. We recognize that food is an integral part of the human experience and has the ability to serve as a means of communication and relationship building across differing cultures, spaces, and moments in time.

The seven members of our team come from diverse backgrounds and possess the creativity and skillset to build the marketing/engagement side of this project and make it a success. We have a combined knowledge of food/nutrition science, public health, food/social justice, marketing/communication, community development, and more. This expertise will allow us to manifest the goals of this proposal into a brand and vision that will be relevant and relatable to the community stakeholders, as well as the broader Fargo-Moorhead community.

Because this proposal sustains and strengthens the efforts of our organization, Ugly Food of the North is prepared to serve as a platform for developing cooperation and shared agendas between partners, stakeholders, and the community at large.

Sincerely,

Megan Myrdal, MS, RD
Co-Founder/Project Director
Ugly Food of the North



PO Box 22
Tuttle, ND 58488

Vern Hunter
Edible Forest Committee Chair
Northern Plains Botanic Garden Society
Fargo, ND

To Vern:

Foundation for Agriculture and Rural Resource Management and Sustainability is pleased to lend their support for the establishment of an educational Edible Forest in Fargo, ND. The design and purpose of the Edible Forest supports our mission to enhance the sustainability of farms and ranches in their communities by providing an educational space and platform for educating farmers and the public on the diverse plantings that North Dakota can sustain.

FARRMS encourages farmers to engage in conservation and diversity on their own farms. Demonstration areas are key to assisting in that process. FARRMS views the NPBGS Edible Forest space as a demonstration area that could be essential to increasing the diversity of ND farm enterprises and to encouraging farm viability.

FARRMS also believes this demonstration area could have a positive impact on the growing local fruit industry and the local wine and cider industries.

FARRMS is willing to assist in coordinating educational programming within the Edible Forest space in collaboration with the NPBGS.

Sincerely,

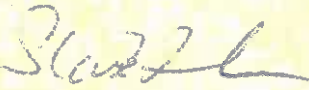


Stephanie Blumhagen,
Executive Director, FARRMS

To Whom It May Concern,

At Folkways we believe that an understanding and connection to the food we eat is the key component of a thriving community. Creating spaces that bring people together, further an understanding and connection to nature and provides healthy nutritious food is one of the most crucial uses of space available. We are in strong support of this edible orchard proposal.

Thank you,

The Folkways Team
Simone, Joe, Steve
www.folkways.co
701-630-9001











News and Views From The Gardens

Fall 2017

Civitati Faventes Horti

Volume 22 Issue 2

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Concord Grapes a Success!



The cuttings from a 100-year-old Concord grapevine growing in Fargo and gifted to the NPBGS by Morrie Schwinden, have matured enough to produce a bumper crop of fruit. What to do with such abundance? Make grape jelly, of course! The surrounding photos show the product, made by Brandi Malarkey and her daughter, Landra. The yield was 75 jars of jelly! The jelly will be available for purchase at the annual Tea Time at the Atrium in February of 2018.



NPBGS Quarterly Meeting

7:00 P.M.

Tuesday, October 24, 2017

The Atrium
at the Neuropsychiatric Institute
100 1st Avenue S, Fargo ND

"Growing Together: Northern Plains Botanic Garden"

Happenings in the Gardens and
the Organization
What is New
What is Planned

Presented by Lisa Brown

Followed by refreshments and a
brief business meeting

Please enter at the red door
on the south side of the building



**Northern Plains Botanic Garden
Society Newsletter**

Ruth Morton, Editor

Published by
Northern Plains Botanic Garden Society
P.O. Box 3031
Fargo, ND 58108-3031
E-mail: info@npbotanicgarden.com
Website: www.npbotanicgarden.com

Board of Directors

John Zvirovski, Interim President
Lisa Brown, Secretary
Bill Fradet, Treasurer
Vern Hunter
Don Kinzler
Brandi Malarkey
Ruth Morton
Ann Riley

Northern Plains Botanic Garden Society's
mission is to establish and operate a
regional botanic garden, conservatory
and arboretum in Fargo.



Seeking Board Members

What an exciting time to join the NPBGS Board! Be part of the team working to turn our vision into a reality.

To submit your name or to suggest someone else for a board position email NPBGS at:

info@www.npbotanicgarden.com



Board Notes

Many Thanks Go to Jim Anderson!

Thank you, Jim for your tireless efforts to find a permanent site for our planned botanic gardens. We greatly appreciate all your hard work in this endeavor. Thank you for continuing to talk with the Red River Zoo in attempting to develop a shared zoo and garden project. Thank you for your seven years of dedication to the Northern Plains Botanic Garden Society as both Board member and as President.

In addition to serving as Board President, Jim has been instrumental in managing the Farmer's Market at the West Acres Shopping Center. He helps with setup and tear-down, collects vendor fees, manages traffic flow in the market area and promotes the NPBGS project.

Jim has also been a valuable volunteer in the gardens, spraying weeding, building structures such as the pergola and the living fence, and trimming trees.

As Jim is now stepping down from the NPBGS Board, that leaves us with an opening for another board member. Have ideas on how we can grow? Want to see them develop? Join the board and come play with us!

New Board Members

Vern Hunter, Brandi Malarkey, Ruth Morton and Ann Riley have agreed to fill several vacancies, once again bringing the Board to near total capacity.

Status of the Current Gardens, Other Possible Sites

While talks continue with the Red River Zoo regarding shared space for a botanic garden, realization of such a plan may take several years.

Meanwhile, we do have a wonderful start on a botanic garden at our 28th Avenue North site. We have decided to continue with this site to make it the very best group of gardens that we possibly can. With a new infusion of energetic, enthusiastic volunteers, we have been doing just that over the summer! The Garden Committee will remain busy during the winter planning for more improvements in the next gardening season.

After a year of frustrating delays caused by maintenance issues, we decided to purchase a new lawnmower. Now grass can be mowed and heavy loads can be transported around the garden more efficiently and in a timely manner!

Plans are in the works for additional signage, both to lead visitors to our site and to guide them from garden to garden as they explore the site. We hope to complete this work in 2018.

We will be exploring new ways of promoting the wonderful gardens that we have developed and will continue to develop. It is time to turn Fargo/Moorhead's "Best Kept Secret" into a loud "Hurrah!"

Garden Volunteers

Volunteers—Both New and Veterans

Welcome Ina Lyon, Brandi Malarkey, Landra Malarkey, Carolyn Monzingo, Carolyn Nelson, Pru Olson, Elizabeth Scott, Teresa Schafer, Lou Womer.

Veterans—Lisa Brown, Maurie Degrugillier, Natasha DePlazes, Roberta Green, Emily Hilgers, Joan Horn, Vern & DiAnn Hunter, Judy Maxson, Mary Ann Nagle, Ruth Morton, Ann Riley, Mary Teske, John Zvirovski.

West Acres Regional Shopping Center

John Zvirovski continues to design the indoor and outdoor plantings for West Acres and our volunteers change the plantings seasonally.



Landra planting mums in the outdoor planters for the fall display



New volunteer Lou in the Mum Garden



Left to right Vern Maurie Teresa Ruth Ann



Maurie working on the living fence



The Atrium

NPBGS also maintains the tropical plantings at the Atrium, the lower level of Neuropsychiatric Institute. It is a wonderful place to be on a snowy day in February!



Ann and Vern refurbishing the Japanese Gate area



A volunteer of the botanical kind

Thank You Volunteers! For your dedication and hard work at all NPBGS garden sites.

Late Summer and Fall in the Gardens

Garden improvements are adding up so quickly it is hard to keep up!

NPBGS hired Lou Worner part-time to help get the gardens back into shape, and she has done an amazing job. A "Jack of All Trades" Lou has been painting, digging, trenching, and fixing things we didn't even know were broken!

Maurie and Vern have been stabilizing the Japanese Gate and the Living Fence, and getting them ready for spring. Maurie said he didn't want to spend the winter holding them up! Plans abound to cover the Living Fence with a combination of annual and perennial vines, turning it into a real show piece.

Ruth has been hard at work in the Woodland Garden. Not only has she redone the plant signage, and added a number of new plants, but there are lots of plans for 2018. You may not recognize it this time next year. It will be a true wonderland!

Among the improvements in the Woodland area is the revamping of the dry creek bed. This improvement has excited MaryAnn and Ina, two members of the Fairy Garden committee, and now many plans abound to turn the areas flanking the creek into a fairy's paradise. The former Fairy Garden location will be re-envisioned for future plantings.

The Rain Garden has gone through a massive overhaul, and is ready for new plantings come spring, and possible bug motels later in the year. We have to keep our pollinators happy!

Have you seen the Mum Garden recently? Lisa and Ruth have turned it into a sea of gorgeous color. Come out and enjoy it before the snow flies!

The Alphabet Garden continues to increase in color and plant diversity. Exciting plans are in the works to revitalize some of the struggling letter plots next year.

Painting power has put a new shine in the gardens as the greenhouse, NPBGS sign, and benches are now looking sparkly and inviting.

These are just a few of the things you can easily see! Running new water lines is hidden but essential.

So many things have been adding up to make this year a great one. The generosity of our donors and the commitment of our volunteers have really moved our organization forward. We've been able to prepare a strong foundation for a 2018 full of ideas, hard work, and the joy of watching the gardens turn into a showpiece for the community and visitors to our area. This is an exciting time at the NPBGS. We are so glad you can be a part of it!



Photo captions,
Top to bottom
and left to right:
Chrysanthemums
Popcorn plant in
the Alphabet
Garden
Verbenas and
Artemesia in the
raised bed
Red Salvia and
pink Lantana in
the Hummingbird
garden

Garden and Site Improvements

The Barry Foundation Grant

The Barry Foundation Grant has given our garden project a much needed boost! Plants and soil amendments were purchased for several gardens including the Mum Garden, the Woodland Garden and the Alphabet Garden. The mums have made an outstanding display this fall! There will be tulips and other flowering bulbs in the Alphabet Garden come spring and early summer.

We were also able to purchase supplies to extend some water lines for extra water spigots in both the Woodland and Alphabet Gardens. No more dragging hoses all the way across these extensive gardens when watering.



The Red Section of the Chrysanthemum Garden in full bloom



New water spigot



Samurai Fusion color benches and fresh teal paint on the door and sign say "Welcome!"



Mowing is a cinch for Maurie with this new machine!

William and Anna Jane Schlossman Fund of the FM Area Foundation

With the help of a generous donation of \$1000 from the William and Anna Jane Schlossman Fund of the FM Area Foundation, NPBGS was able to purchase a new ride-on lawnmower. Maurie and our other volunteers have been able to mow and transport loads of soil and amendments more quickly and without stopping for repairs. This efficiency has helped our volunteers move forward in our garden beautification projects! We greatly appreciate this donation.



The mounds can now be mowed in half the time!



The old mower which has served us well

Horticultural Musings

Ever Thought About Moss?

I asked a nursery owner if he sells moss, and his response was, "No, there is no demand for moss in our area". It is unfortunate more gardeners don't experience the pleasure of growing moss. It is an intriguing, beautiful plant that can be used as an accent, or for entire areas where conditions permit. The Japanese have used moss for centuries in some of their most prominent gardens.

Moss can be ordered online, but, like all plants, it must be hardy to our zone. The easiest and least expensive source might be a backyard, a rural road ditch, a park, a forest, a farmer's field, in other words, anywhere the conditions are right for that particular type. The advantage of harvesting local mosses is that if they are growing in our region, they'll grow in your backyard. Right? Not necessarily so! The "experts" will tell you the PH of your soil must be correct, or the watering schedule must be precise, or the sunlight must be dappled, - for that type of moss, of which there are many with varying needs.

Part of the fun is the trial and error process on your particular site. One of the best things you can do to begin the process is to transport some of the soil or sand that the patch is growing in to be replanted on your site. Some growers recommend a landscape fabric or felt underlayment to prevent weeds from growing, and to provide an extended moist mat. Moist, shady conditions are usually the safest environment, and daily watering probably won't be necessary except in our hottest, driest days of the year. But again, all of this is dependent on the type of moss and the specific site conditions.

Is there any garden that is "maintenance free"? Of course not, nor is a moss garden. There are still fallen leaves to be removed, watering, weeding and protection against the squirrels and birds. (There is an effective non-visible mesh available from most nurseries that will guard against animals.) There will be patches that won't survive and need replacing, so you might have to return to your source to find replacement patches.

All of your efforts will be rewarded when you enjoy the 12-month beautiful emerald green color from your garden on a dewy day or after watering. Try it and let us know about your successes. If you find a sweet spot that has a lot of extra moss, and you are willing to share, let us know, and we will learn together!

Submitted by Vern Hunter



A moss garden in Fargo

Elusive Tomato Thieves Identified

After a rash of tomato thievery this fall at the Food Pantry Garden, a potential suspect has been identified. A stash of stolen items was recently discovered not far from the crime scene (#1). Based on several bits of circumstantial evidence, the suspected criminal was identified as *Tamiascus hudsonicus* (Red Squirrel). Nearly all tomatoes contained characteristic bite marks on the skin surface (#2). Although no direct sightings were observed, the suspect has been seen on several occasions in the vicinity of the crime scene in the past month. No DNA tests have been conducted to determine specific individuals involved.

In a related matter, a cache of Ponderosa Pine cones has been observed near the base of a single tree near the Japanese Gate (#3). To date, there has been no evidence linking these 2 events.

Report by Maurie Degrugillier

#1



#2



#3



Membership

Paid Memberships Through August

Terry Adams & Naomi Nakamoto	Donald Larew
Cyndi Anderson	H. Roald Lund
Linda Anderson	Brandi Malarkey
Jim Anderson	Shirley Manning
Margaret Armstrong-Law	Marlene Maxon
Taylor Barnes	Shirley McCaslin
Burton & Patricia Belknap	Wilma Jean McDonald
Susan Bennet-Coyne	Sandra Miles
Brant Bigger	Mike & Scottie Miller
William Bleier	Carolyn Monzingo
Lisa Brown	Ruth Morton
Kelly Buettner-Schmidt	Bill & Ginny Newman
Pam Burkhardt	Pru Olson
Mark Chekola	Deb Ott
Alane Degenstein	Joyce & Tom Pettinger
Clare Degerness	Susan Poitras
Maurie Degrugillier	Dr. Joy M. Query
Jennette Dittman	Thomas Reiffenberger
Don & Ardith DuBord	Russ & Bev Richards
David & Gini Duval	Tom & Ann Riley
Ron Ellingson	Kirsten Riley
Kim Elswick	Judy Rippentrop
Fine Arts Club—Garden c/o Arne Gudmestad	Darlene Rogers
William Fradet	Dora Rooke
Dinah Goldenberg	Craig & Lori Rottman
Sheldon & Roberta Green	Chris Saar
Diane Gromfur	Mary Ann Schaan
Constance Grondahl	Teresa Schafer
Theresa Gross	Linda & John Schultz
Helen Hagemeister	Elizabeth Scott
Kathi Halvorson	Nancy Shappell
Marilyn Hanson	Roberta Shreve
Doug & Roberta Harnisch	John & Sherri Stern
Elly Heinz	James & Jan Stewart
Cynthia Herfindahl	Bob & Linda Swanson
Wendell & Sue Herman	Jon Swegarden
Dale & Ruth Herman	Jon & Cathi Tiedeman
James Hilde	Mark Vasarhelyi
Vern & DiAnn Hunter	Wendy Ward
Daniel Johnson	Jill Wilkey
Jackie Jones	Jackie Williams
Ryan Kleim	Gloria Wolden
Michelle Kleim	Brenda Youngquist
Mary Klepperich	Marlis Ziegler
Sandra Knutson	John Zvirovski
Gerald & Nora Koenig	Ruby & Edward Zvirovski
Alden & Landa Kollman	
Emily Kulland	
George & Annette LaPalm	

Lifetime Member
Irene Hogan

Donors

William and Anna Jane Schlossman Fund Of the FM Area Foundation

NPBGS is very grateful for the \$1,000 unsolicited grant received from the *William and Anna Jane Schlossman Fund* of the FM Area Foundation which was granted in April of this year. For the past few years, NPBGS has been in need of a new lawn mower. The old mower just didn't have the mowing power, it kept breaking down, and it consumed volunteer time and energy away from other gardening efforts. This gift gave NPBGS the means to finally buy a new John Deere riding lawn mower, which helps us to knock down weed patches, maintain the lawn, and tow loads in our small trailer. This much-needed equipment upgrade enables us to be more efficient in basic lawn maintenance, and frees us to focus on the gardens.

Davies High School Donation

NPBGS was privileged and very pleased to be given an unsolicited \$700 grant from the *Davies High School Philanthropy and Youth Group (PaY)* in 2016.

This donation was used this year to overhaul and revitalize the *Chrysanthemum* Display Garden, purchase flowering plants for the Mum, Woodland, Greenhouse and Japanese Gate garden areas, and expand and enhance irrigation lines for the Alphabet, Sensory, and Woodland Gardens. We greatly appreciate The Barry Foundation's understanding of NPBGS' need to use this donation directly for these garden enhancements during this past growing season.

S & S Landscaping

NPBGS is very grateful to *S & S Landscaping* for the \$400 discount for the riding lawn mower!

John Deere

NPBGS thanks *John Deere & Company* for the \$386 non-profit discount for the lawn mower.

Member Donors Through August

Lisa Brown	Jon & Cathi Tiedeman
Emily Kulland	Jackie Williams
Ruth Morton	John Zvirovski
Tom & Ann Riley	



Northern Plains Botanic Garden Society
P.O. Box 3031, Fargo, ND 58108-3031

Return Service Requested



Food Pantry Gardens Yield 1475 Pounds

Several vegetable patches at the NPBGS site produced 1475 pounds of vegetables that were donated to local food pantries. Tomatoes, peppers, summer and winter squash, lettuce, beets and potatoes were some of the vegetables grown in two large plots and several smaller container gardens. Kris and Shaun Schipper, Maurie Degrugillier and Lisa Brown all contributed their time and energy to this project. With some squash yet to be harvested, the season's total may reach 1500 pounds. *Great Work Volunteers!*

Save the Date !

Tea Time at the Atrium
Saturday, February 10, 2018
1:00 P.M.

An Elegant Tea with Dainty Treats
Scones
Sandwiches
Sweets

Botanic Garden Boutique Featuring
Fresh Flowers
Blooming Spring Bulbs
Soaps and Lotions
Baked Goodies
Other Treasures