



Environment and Natural Resources Trust Fund

M.L. 2024 Approved Work Plan

General Information

ID Number: 2024-115

Staff Lead: Tom Dietrich

Date this document submitted to LCCMR: June 5, 2024

Project Title: Launching Environmental Education at Shepard Farm

Project Budget: \$639,000

Project Manager Information

Name: Pete Cleary

Organization: Dodge Nature Center

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Project Reporting

Date Work Plan Approved by LCCMR: June 20, 2024

Reporting Schedule: June 1 / December 1 of each year.

Project Completion: June 30, 2027

Final Report Due Date: August 14, 2027

Legal Information

Legal Citation: M.L. 2024, Chp. 83, Sec. 2, Subd. 051

Appropriation Language: \$639,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with the Dodge Nature Center to build partnerships with South Washington County Schools and provide standards-aligned, outdoor experiences and hands-on learning at Shepard Farm for Minnesota K-6 youth to increase their environmental skills and knowledge.

Appropriation End Date: June 30, 2027

Narrative

Project Summary: Dodge Nature Center will teach 10,000 Minnesota K-6 youth through standards-aligned, outdoor experiences and hands-on learning at our new Shepard Farm property.

Describe the opportunity or problem your proposal seeks to address. Include any relevant background information.

A growing body of research by the Children and Nature Network (based in Minnesota) and others describes the decline of time spent in nature by children, resulting in diminished use of senses, attention difficulties, obesity and higher rates of mental and physical illness. Years spent largely indoors during the pandemic have added significantly to stress and anxiety levels.

Learning in outdoor spaces and time in nature can help reverse this trend and benefit kids' physical and mental health. Research has also shown that open and nearby green spaces benefit children's learning and academic success.

With the closing of Warner Nature Center in Washington County, there is a need for affordable environmental learning opportunities for families, schools and adults. A new Education Center is under construction at Dodge's Shepard Farm in Cottage Grove! With it, we will provide access to nature-based programs in the East Metro. Once construction is complete, Shepard Farm will become a thriving hub of environmental education for the area. Using the experience gained at our 55-year-old West St. Paul location, our team will partner with area schools and community organizations to get kids and families outdoors and on trails.

What is your proposed solution to the problem or opportunity discussed above? Introduce us to the work you are seeking funding to do. You will be asked to expand on this proposed solution in Activities & Milestones.

Dodge serves the community by providing accessible, affordable outdoor environmental education. Our programs are low-cost, and we offer scholarships to reduce barriers for schools and families with financial need. We provide high quality education programs and access to community green spaces on 460 acres of restored native prairies, hardwood forests and wetlands.

With a new Education Center (located in Cottage Grove) slated to be completed in summer of 2023, our ability to reach even more students in the Southeast Metro is increasing. South Washington County schools (District 833) have begun piloting field trips with us. Their excitement is growing as they discover what Dodge's team of naturalists and environmental education experts can add to their classroom experiences. Over the next several years, we plan to grow our capacity to meet the needs of students and teachers in District 833.

Through programs like Nature Detectives, Bird Basics, Forest Wildlife, Minnesota Forests, Pollination Partners, Survival Skills, Winter Adaptations and Water on the Move our team will engage students in Washington County in hands-on, minds-on learning in the outdoors and on trails. These programs support Minnesota state academic standards for elementary students.

What are the specific project outcomes as they relate to the public purpose of protection, conservation, preservation, and enhancement of the state's natural resources?

By launching environmental learning in South Washington County over three years we will:

- Teach 10,000 students standards-aligned environmental education in Minnesota's outdoors at Shepard Farm.
- Support school teachers in classrooms with recurring visits by Dodge Naturalist Liaison, integrating standards-based learning with outdoor activities at their site.
- Build a strong partnership with School District 833 (modeled after our established partnership with ISD 197) that will be ongoing and self-sustaining after the grant period.
- Engage diverse young people outdoors to receive benefits of being in nature and build a lasting conservation ethic that inspires action.

Project Location

What is the best scale for describing where your work will take place?

County(s): Dakota, Washington,

What is the best scale to describe the area impacted by your work?

County(s): Dakota, Ramsey, Washington,

When will the work impact occur?

During the Project and In the Future

Activities and Milestones

Activity 1: Launching An Environmental Learning Partnership with South Washington County Schools - Year 1

Activity Budget: \$205,300

Activity Description:

In year one Dodge will build and launch a robust partnership with District 833. Dodge is ready to welcome field trips as soon as our team can grow to accommodate expansion into Cottage Grove. We've been slowly developing this property into a community resource for years and have started relationships with ISD 833 to pilot programs – the next step is to hire new staff to deliver quality environmental education programs to impact greater numbers of students.

Our goal is to partner with three schools initially and engage all students from each school in grades Kindergarten, 1st and 3rd for this first year, providing two field trips to Shepard Farm per student throughout the year. Students will address science standards through our Nature Detectives, Farm Life, Forest Wildlife and Bird Basics field trips as they explore habitats, learn the importance of agriculture and look more closely at how plants and animals survive, grow and meet their needs. We will also hire a Naturalist Liaison to collaborate with schools in this first year on developing environmental education programs in classrooms at Crestview Elementary.

Year 1 = Academic School Year 2024-2025

Partner Goal = 3 Schools

Activity Milestones:

| Description | Approximate Completion Date |
|---|-----------------------------|
| Hire full-time Naturalist/Curriculum Developer | July 31, 2024 |
| Hire full-time Naturalist Liaison to Partner Schools | July 31, 2024 |
| Hire Seasonal Naturalist | August 31, 2024 |
| Hire second Seasonal Naturalist | August 31, 2024 |
| Partner with 3 schools from ISD 833 | August 31, 2024 |
| Teach 1,600 students state standards-aligned environmental education programs | June 30, 2025 |

Activity 2: Growing Our Environmental Learning Partnership with South Washington County Schools - Year 2

Activity Budget: \$213,900

Activity Description:

In year two Dodge will expand its partnership with South Washington County Schools. Working with teachers and curriculum specialists at the schools, we will identify which programs work best for the desired grade levels as field trips to Shepard Farm. Our Liaison Naturalist will collaborate with schools to bring standards-aligned programs into their classrooms.

We will engage eight schools from ISD 833 (3 returning and 5 new), growing the number of students reached overall and also the number of classes from partner schools. For the five new partner schools, we will engage all students from each school in grades Kindergarten, 1st and 3rd for the first year, providing two field trips to Shepard Farm per student throughout the year. For the three partner schools from year one, we will add on more grade levels and continue to align their curriculum with state academic standards through evaluation and collaboration with teachers.

The Curriculum Specialist and Liaison Naturalist will both be year-round Dodge staff members. The Seasonal Naturalists will be hired for each school year.

Year 2 = Academic School Year 2025-2026

Partner Goal = 8 Schools

Activity Milestones:

| Description | Approximate Completion Date |
|---|-----------------------------|
| Hire Seasonal Naturalist | August 31, 2025 |
| Hire second Seasonal Naturalist | August 31, 2025 |
| Partner with 8 schools from ISD 833 | August 31, 2025 |
| Teach 3,300 students state standards-aligned environmental education programs | June 30, 2026 |

Activity 3: Growing Our Environmental Learning Partnership with South Washington County Schools - Year 3

Activity Budget: \$219,800

Activity Description:

In year three Dodge will once again expand its partnership with South Washington County Schools. Working with teachers and curriculum specialists at the schools, we will identify which programs work best for the desired grade levels as field trips to Shepard Farm. Our Liaison Naturalist will collaborate with schools to bring standards-aligned programs into their classrooms.

We will engage thirteen schools from ISD 833 (8 returning and 5 new), growing the number of students reached overall and also the number of classes from partner schools. For the five new partner schools, we will engage all students from each school in grades Kindergarten, 1st and 3rd for the first year, providing two field trips to Shepard Farm per student throughout the year. For the eight partner schools from year one, we will add on more grade levels and continue to align their curriculum with state academic standards through evaluation and collaboration with teachers.

The Curriculum Specialist and Liaison Naturalist will both be year-round Dodge staff members. The Seasonal Naturalists will be hired for each school year.

Year 3 = Academic School Year 2026-2027

Partner Goal = 13 Schools

Activity Milestones:

| Description | Approximate Completion Date |
|---|-----------------------------|
| Hire Seasonal Naturalist | August 31, 2026 |
| Hire second Seasonal Naturalist | August 31, 2026 |
| Partner with 13 schools from ISD 833 | August 31, 2026 |
| Teach 5,100 students state standards-aligned environmental education programs | June 30, 2027 |

Project Partners and Collaborators

| Name | Organization | Role | Receiving Funds |
|--------------|-----------------------------|--|-----------------|
| Jodi Husting | Crestview Elementary School | Principal of the primary partner school with whom we we will be coordinating environmental education activities, | No |

Dissemination

Describe your plans for dissemination, presentation, documentation, or sharing of data, results, samples, physical collections, and other products and how they will follow ENRTF Acknowledgement Requirements and Guidelines.

Dodge plans to acknowledge the Environment and Natural Resources Trust Fund through use of the trust fund logo and attribution language on all project print and electronic media, publications, signage, Dodge's website, and other communications per the ENTRF Acknowledgment Guidelines so that teachers will see it each time they review curriculum and each time they bring students and parent chaperones to the Shepard Farm Property. We will share ongoing results of our new education partnership with South Washington County Schools with board members and our Education Committee. They are instrumental in education program oversight and adherence to mission. Additionally, we use the ENRTF logo and attribution language as we share periodic updates with our stakeholders (staff, donors, volunteers) through print and online communications like our annual report or biannual newsletter.

Long-Term Implementation and Funding

Describe how the results will be implemented and how any ongoing effort will be funded. If not already addressed as part of the project, how will findings, results, and products developed be implemented after project completion? If additional work is needed, how will this work be funded?

Dodge receives support for its operations from three sources: earned revenue, contributed income and endowment earnings. We are currently in a comprehensive campaign, one goal of which is to build our contributed support and our endowment. Through this objective, we will increase our ability to support additional staff that will be added to the team during this grant period.

Additionally, we will build a strong partnership in South Washington County and provide significant value to their teachers and students. Program costs after the launch period will be offset by fees paid by the school district for the ongoing partnership.

Budget Summary

| Category / Name | Subcategory or Type | Description | Purpose | Gen. Ineligible | % Benefits | # FTE | Classified Staff? | \$ Amount |
|---------------------------------------|---------------------|---|---|-----------------|------------|-------|-------------------|------------------|
| Personnel | | | | | | | | |
| Environmental Education Director | | Project Manager | | | 25% | 0.99 | | \$119,500 |
| Naturalist, Curriculum Specialist | | Educator will deliver programming at Shepard Farm and align field trip content with school needs | | | 25% | 3 | | \$163,500 |
| Naturalist Liaison to Schools | | Educator will work in schools to deliver content in classrooms and at Shepard | | | 25% | 3 | | \$163,500 |
| Seasonal Naturalist #1 | | Teach environmental education programs at Shepard Farm through academic school year | | | 7% | 2.4 | | \$84,000 |
| Seasonal Naturalist #2 | | Teach environmental education programs at Shepard Farm through the academic school year | | | 7% | 2.4 | | \$84,000 |
| | | | | | | | Sub Total | \$614,500 |
| Contracts and Services | | | | | | | | |
| | | | | | | | Sub Total | - |
| Equipment, Tools, and Supplies | | | | | | | | |
| | Equipment | Snow shoes, drills, sleds, hand tools, beekeeping, and other outdoor equipment | One-time costs of acquiring equipment needed to teach outdoor skills, conduct experiments, and investigations, etc. | | | | | \$15,000 |
| | Tools and Supplies | Teaching supplies (such as nets, fire starting materials, containers, cooking ingredients, animal care and feeding, equipment repair, and first aid supplies) | Annual materials needed to teach outdoor skills, conduct experiments, and investigations, etc. | | | | | \$5,000 |
| | | | | | | | Sub Total | \$20,000 |
| Capital Expenditures | | | | | | | | |
| | | | | | | | Sub Total | - |

| | | | | | | | | |
|-------------------------------------|-----------------------|--|--|--|--|--|--------------------|------------------|
| Acquisitions and Stewardship | | | | | | | | |
| | | | | | | | Sub Total | - |
| Travel In Minnesota | | | | | | | | |
| | Miles/ Meals/ Lodging | Miles traveled to schools and to staff trainings at \$.67/mi | In-classroom teaching for partner schools and professional development for staff | | | | | \$4,500 |
| | | | | | | | Sub Total | \$4,500 |
| Travel Outside Minnesota | | | | | | | | |
| | | | | | | | Sub Total | - |
| Printing and Publication | | | | | | | | |
| | | | | | | | Sub Total | - |
| Other Expenses | | | | | | | | |
| | | | | | | | Sub Total | - |
| | | | | | | | Grand Total | \$639,000 |

Classified Staff or Generally Ineligible Expenses

| Category/Name | Subcategory or Type | Description | Justification Ineligible Expense or Classified Staff Request |
|---------------|---------------------|-------------|--|
|---------------|---------------------|-------------|--|

Non ENRTF Funds

| Category | Specific Source | Use | Status | \$ Amount |
|------------------|---|--|----------------------------|----------------|
| State | | | | |
| | | | State Sub Total | - |
| Non-State | | | | |
| Cash | Contributed income from Individuals and foundation grants | Operating support from contributed income will be used to support staff development not covered by LCCMR funding | Secured | \$8,000 |
| | | | Non State Sub Total | \$8,000 |
| | | | Funds Total | \$8,000 |

Attachments

Required Attachments

Visual Component

File: [6ce64e5c-8f5.pdf](#)

Alternate Text for Visual Component

Photo array of students learning outdoors with Dodge naturalists and our mission: providing exceptional experiences in nature through environmental education....

Financial Capacity

File: [a7974cb4-944.pdf](#)

Board Resolution or Letter

| Title | File |
|-----------------------------------|----------------------------------|
| Dodge Board LCCMR Resolution 2023 | ac33c420-ec0.pdf |

Difference between Proposal and Work Plan

Describe changes from Proposal to Work Plan Stage

Made changes based on comments from LCCMR staff. Budgetary changes made to comply with eligibility, eliminating conference fees. Increased equipment budget. Typos corrected from original proposal. Edited Activities and Milestones for clarity. Edited Dissemination for clarity and add detail.

Additional Acknowledgements and Conditions:

The following are acknowledgements and conditions beyond those already included in the above workplan:

Do you understand and acknowledge the ENRTF repayment requirements if the use of capital equipment changes?

N/A

Do you agree travel expenses must follow the "Commissioner's Plan" promulgated by the Commissioner of Management of Budget or, for University of Minnesota projects, the University of Minnesota plan?

Yes, I agree to the Commissioner's Plan.

Does your project have potential for royalties, copyrights, patents, sale of products and assets, or revenue generation?

No

Do you understand and acknowledge IP and revenue-return and sharing requirements in 116P.10?

N/A

Do you wish to request reinvestment of any revenues into your project instead of returning revenue to the ENRTF?

N/A

Does your project include original, hypothesis-driven research?

No

Does the organization have a fiscal agent for this project?

No

Does your project include the pre-design, design, construction, or renovation of a building, trail, campground, or other fixed capital asset costing \$10,000 or more or large-scale stream or wetland restoration?

No

Do you propose using an appropriation from the Environment and Natural Resources Trust Fund to conduct a project that provides children's services (as defined in Minnesota Statutes section 299C.61 Subd.7 as "the provision of care, treatment, education, training, instruction, or recreation to children")?

Yes

Do you certify that background checks are performed for background check crimes, as defined in Minnesota Statutes, section 299C.61, Subd. 2, on all employees, contractors, and volunteers who have or may have access to a child to whom children's services are provided by your organization?

Yes