Cultivating Community and Resilience: Initiative to Start a Permaculture Garden and Seed Library at the Mansfield Public Library in Mansfield, MA

Written on behalf of the Friends of the Mansfield Public Library

Authored by Anne Riley

May 2, 2025

Dear Boston Foundation Grant Committee,

The Friends of the Mansfield Public Library respectfully request funding from the Boston Foundation to support the creation and ongoing maintenance of a community permaculture garden and seed library on the library's grounds in Mansfield, Massachusetts. This project addresses an urgent need for accessible, community-based climate solutions. Across Massachusetts and beyond, there is a growing awareness that communities must take meaningful action to reduce greenhouse gas emissions, adapt to the effects of climate change, and restore local ecosystems. Our project offers a tangible and replicable model for doing so at the community level.

A permaculture garden on the grounds of the library would create a biodiverse, sustainable food garden, but more importantly, it serve as a living classroom. Designed around permaculture design principles, the garden will demonstrate sustainable food-growing and land management practices. Residents of Mansfield and nearby communities will be able to participate in hands-on learning opportunities, including public volunteer sessions and a dedicated afterschool program for high school students.

Through active participation, community members will gain the skills, confidence, and inspiration to make more sustainable choices in their own lives and advocate for climate change mitigating efforts in the commonwealth and beyond.

Thank you for considering our proposal.

Sincerely,

Annie Riley

On behalf of the Friends of the Mansfield Public Library

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1. Statement of the Problem

The need for the "Growing Together" project at the Mansfield Public Library is not just timely, but immediate, driven by the converging crises of climate change, escalating climate anxiety, and the environmental costs of industrial agriculture. Our current food systems are significant contributors to greenhouse gas emissions, demanding a swift transition towards more sustainable practices. This project offers a tangible, local intervention at a critical juncture. By establishing a permaculture garden, it directly addresses the urgent need for accessible education and practical experience in regenerative food production and land management.

A. Food Systems and Climate Change

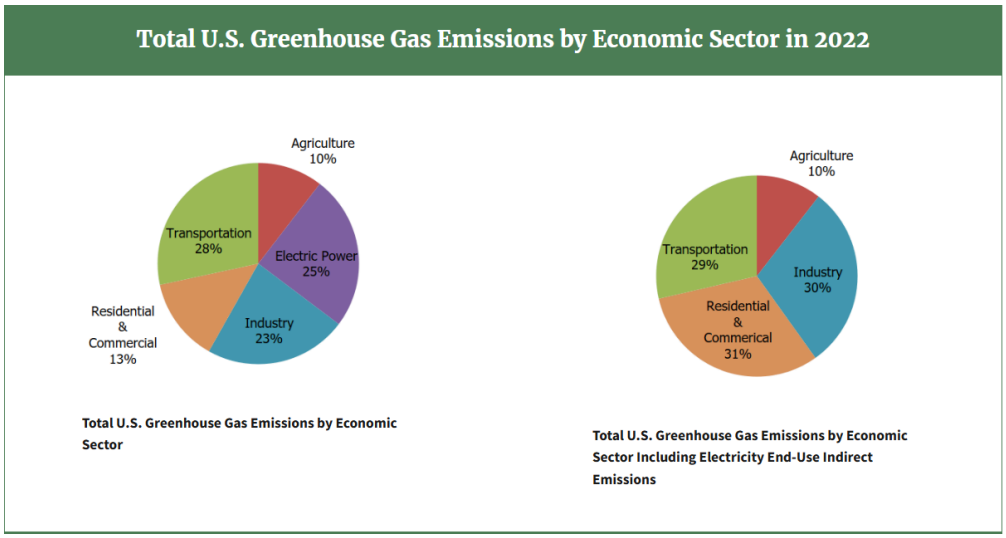

Figure 1

There is an urgent need to change human food systems to reduce greenhouse gas emissions and adapt to the effects of climate change, which can start at small scales. Agricultural practices are a significant driver of climate change, directly and indirectly contributing to greenhouse gas emissions. According to the U.S. Environmental Protection Agency (EPA), the agriculture sector accounted for approximately 10% of total U.S. greenhouse gas emissions in

2022 (EPA, 2025b). A significant source of these emissions is agricultural soil management, which releases nitrous oxide (N_2O), a greenhouse gas with 265 times the global warming potential of carbon dioxide (CO_2). Soil management activities, including the application of synthetic and organic fertilizers, management of manure, and burning of agricultural residues, were responsible for 75% of nitrous oxide emissions in the United States in 2022 (EPA, 2025a).

In addition to emissions from soil management activities, agricultural practices contribute to climate change through other means. Livestock management generates methane (CH4), another potent greenhouse gas, while the reliance on fossil-fuel-intensive machinery and long-distance food transportation further increases carbon emissions. Globally, food systems – which refers to the way humans produce, process, transport, and consume food – accounted for 34% of all human-caused greenhouse gas emissions in 2015, according to a 2021 study published in *Nature Food* (Tandon, 2021).

Industrial agriculture's dependence on practices that deplete soil health, reduce biodiversity, and emit greenhouse gases exacerbates environmental degradation and climate change and increases vulnerability to their effects (Capra 2015). There is an urgent need to transition toward more sustainable, regenerative agricultural models that mitigate greenhouse gas emissions and promote ecosystem resilience while also feeding humans.

The need for major shifts in food product and land management in Massachusetts is highlighted in the Massachusetts Clean Energy and Climate Plan for 2025 and 2030. Developed by the Executive Office of Energy and Environmental Affairs (EEA) and several other state agencies, the plan outlines strategies and policies for reaching statewide greenhouse gas emissions limits of 33% reduction from 1990 emissions level in 2025 and 50% reduction by 2030 – with the ultimate goal of achieving net zero emissions by 2050. The plan highlights that a

critical component of achieving net zero greenhouse gas emissions is the state's natural and working lands' ability to sequester carbon emissions (EEA, 2022, xv). Incorporating practices from permaculture design can protect and increase food-producing lands abilities to sequester carbon.

The proposed project offers a local, tangible response to these global challenges through the creation of a permaculture garden and seed library. It will provide the community with opportunities to learn and practice methods of food production that restore rather than deplete natural resources, contributing to a more resilient and sustainable future.

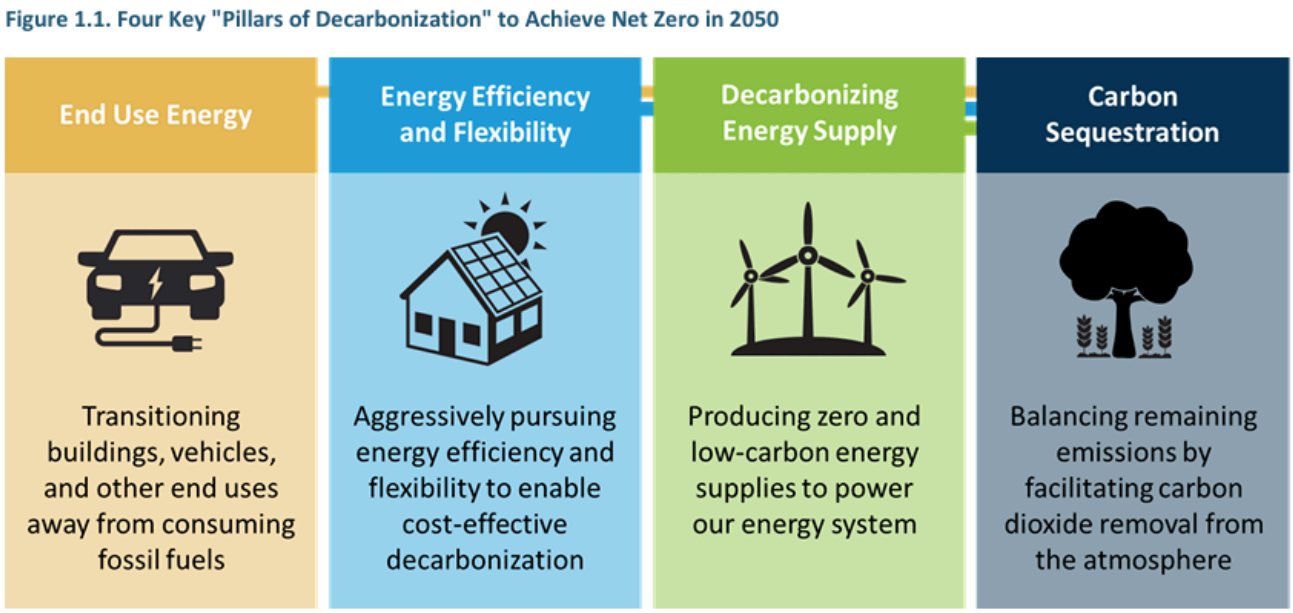

Figure 2

B. Permaculture's Potential in Addressing Agriculture's Environmental Impacts

Permaculture is a set of ecological design principles that aims to create "agriculturally productive ecosystems that mimic the diversity, stability, and resilience of natural ecosystems" (Reiff et al., 2024). As of the early twenty-first century, permaculture was estimated to be practiced by more than three million people in 140 countries. In practice, permaculture refers to a

set of agricultural practices and a design system used to select, combine and apply those practices. The application of permaculture principles and practices is very individual and context-specific, which is crucial for creating highly sustainable systems.

Permaculture offers a promising and necessary shift in how we approach food production, particularly in addressing the agricultural sector's contribution to climate change. Unlike conventional farming systems that rely heavily on fossil fuel-derived inputs such as synthetic fertilizers and pesticides, permaculture emphasizes closed-loop systems that build soil health, foster biodiversity, and rely on natural cycles (Metych, 2025). Permaculture is not just a collection of sustainable techniques, but an ethical framework for designing land use systems that align with ecological principles and local conditions.

A recent research study in Central Europe has shown that permaculture practices can lead to significantly improved soil carbon sequestration, comparable to natural grasslands, even while producing a diverse array of food crops like vegetables, cereals, and fruit. Permaculture systems in the study achieved an average soil carbon sequestration rate of 0.8 tons per hectare per year—exceeding the international target set by the "4 per 1000" initiative launched after the 2015 United Nations Climate Change Conference, which aims to increase global soil carbon to mitigate climate change. This increased carbon storage is linked to key practices in permaculture, such as the application of compost, organic mulches, and minimal or no tillage, all of which help build resilient soils and reduce greenhouse gas emissions (Reiff et al., 2024).

In addition to storing more carbon, permaculture soils were found to be of higher quality, with lower bulk densities, better aeration, and greater water infiltration – factors that reduce erosion risks and improve plant health. These systems also support more abundant and diverse earthworm populations, critical indicators of healthy soil ecosystems. By eliminating the use of

synthetic pesticides and fertilizers, permaculture systems also help curb pollution, reduce reliance on fossil fuels, and avoid the negative impacts of these agrochemicals on ecosystems and human health (Reiff et al., 2024).

Ultimately, while more long-term studies are needed, existing evidence shows that permaculture holds great promise as a guiding framework for climate-resilient, ecologically sound agriculture. Its emphasis on context-specific design, ethics of care for the earth and people, and reduction of external inputs makes it a valuable model for transforming our food systems into forces for regeneration rather than degradation.

C. Climate Anxiety

A community permaculture garden at the public library would directly address the growing need for constructive, local responses to climate anxiety. Research defines climate anxiety as a form of distress related to worries about the effects of climate change, although it is not considered a mental illness (Collier, 2022). As climate anxiety is rooted in uncertainty and a loss of control, active participation in climate solutions is one of the most effective ways to manage these feelings and foster a greater sense of agency (Collier, 2022).

Young people, in particular, are deeply affected. A 2021 study published in *The Lancet* surveyed 10,000 individuals aged 16 to 25 across ten countries and found that 84% were at least moderately worried about climate change, and 59% reported being very or extremely worried (Hickman et al., 2021). The study also found that more than half of respondents felt sad, anxious, angry, powerless, helpless, and guilty about climate change (Hickman et al., 2021).

Through an afterschool program led by a dedicated permaculture director, local high school students – one of the age groups most vulnerable to climate anxiety – would be

empowered to design, manage, and sustain a regenerative garden. Hands-on involvement in the permaculture garden would allow high schoolers to learn about sustainable agriculture and motivate them to enact and advocate for climate solutions, providing a sense of agency in the face of the large-scale, severe effects of climate change.

Public volunteer sessions would expand these benefits to the broader community. By learning and practicing sustainable land management, residents would not only contribute to local environmental health but also experience firsthand that individual and collective actions can produce meaningful environmental impact. In an era when many feel overwhelmed by the scale of climate challenges, this project would offer an accessible, hopeful, and replicable model of community-based climate action."

It is also relevant to note that there are no food-producing community gardens in Mansfield, Massachusetts. This project would provide a space for residents to learn about sustainable food-growing practices and connect with others with similar interests. This would be an especially valuable space for those who don't have the space or abilities to build their own garden. In the town there is the Mansfield Garden Club, which is a nonprofit that maintains several gardens in public spaces around town, but none of these gardens are edible landscapes (Mansfield Garden Club, n.d.).

A permaculture garden on the Mansfield Public Library grounds that high schoolers can get involved in through an afterschool program and residents of all ages can help tend to during weekly volunteer sessions would fill this gap. This would allow residents of all ages who are interested in learning about sustainable food growing and land management to have a community space to learn and share knowledge.

D. The Need for Alternatives to Monoculture Lawns

A community permaculture garden and seed library at the Mansfield Public Library would offer residents the knowledge and the inspiration needed to reimagine their own yards as more biodiverse, ecologically beneficial spaces. Through hands-on experience in a garden designed around permaculture principles and educational programming on sustainable land use, community members would gain the practical skills and confidence to convert conventional lawns into pollinator-friendly habitats or even into small-scale food-producing systems.

This shift is urgently needed. Turf grass currently covers more land in the United States than any other irrigated crop and comes with steep environmental costs. Maintaining these monoculture lawns requires nearly 3 trillion gallons of water, 200 million gallons of gasoline for mowing, and 70 million pounds of pesticides annually. These inputs contribute to greenhouse gas emissions, water waste, and chemical pollution. Moreover, grass lawns provide little to no habitat value for pollinators, birds, and other wildlife. Lawns actively degrade nearby ecosystems by reducing biodiversity and contributing to chemical runoff. Rainwater can carry lawn-applied pesticides and fertilizers into storm drains and waterways, harming fish, other aquatic animals, and potentially human health (NRDC).

By offering free access to seeds of pollinator-friendly plants and edible crops through the seed library, and providing guided volunteer sessions in the permaculture garden, the project would equip residents with the tools they need to make environmentally responsible changes at home. Even small transformations — such as replacing part of a lawn with native plants or starting a small herb bed — can contribute to regional biodiversity, reduce environmental harm, and create a more resilient local ecosystem. The Mansfield Community Permaculture Garden

and Seed Library would thus become a model and a hub for sustainable land stewardship throughout the community.

2. Statement of the Request

The Friends of the Mansfield Public Library ("the Friends") is respectfully requesting funds from the Boston Foundation to build and maintain a community permaculture garden and a seed library on the library's grounds. The Friends is a nonprofit organization that works to support, promote, and aid the library. Funds raised by the Friends, including membership dues, fundraising efforts, and monetary donations, are used to purchase materials and support programs that cannot be funded within the library's regular budget. We are seeking $19,201 to start the permaculture garden and seed library and maintain the project for the first year, although we are prioritizing securing about $19,000 in funding for the permaculture garden. We are requesting partial or full funding of this amount from the Boston Foundation.

We are requesting funds to start the garden and seed library because we believe that there is a need in the community for access to hands-on education about climate solutions and for more free, public events to foster community. The permaculture garden will act as a demonstration garden, hosting an afterschool program for high schoolers and weekend volunteer sessions for all community members. Through these learning opportunities the garden will allow residents to learn about permaculture design, which includes sustainable agricultural practices like no-till planting and organic pest control.

The proposed permaculture garden and seed library will serve the community in ways that align with the Mansfield Public Library's mission statement and the Friends purpose of supporting this mission. The Mansfield Public Library seeks to provide individuals of all ages, including adults, with educational programs that address diverse interests and needs. It is clear

that an important area of education and something many residents are interested in is environmental sustainability and climate change solutions. This project will offer residents hands-on education in sustainable food growing, climate solutions, and regenerative land management.

Funding from the Boston Foundation will help cover essential startup costs, including garden infrastructure, soil preparation, composting systems, irrigation, plants, and signage, as well as the development of a community seed library offering free vegetable, herb, and pollinator-friendly seeds. These resources will empower community members to grow food and create ecologically beneficial home gardens.

The project will serve all ages through public volunteer sessions and workshops, while a dedicated afterschool program will involve high school students in garden design and maintenance, giving them practical experience in environmental leadership. In a town with no edible community garden, this initiative fills an important gap—offering an inclusive space for residents to learn, grow, and connect.

By supporting the Mansfield Permaculture Garden, the Boston Foundation would help establish a replicable model for community-based climate action—promoting sustainability, biodiversity, and mental well-being through education and shared stewardship of the land. This project will offer residents hands-on education in sustainable food growing, climate solutions, and regenerative land management.

3. Description of Proposed Work

A. Permaculture Garden

This proposal seeks funding to establish and maintain a community permaculture garden and seed library on the grounds of the Mansfield Public Library. The project will transform an unused grassy area into a vibrant, sustainable garden designed according to permaculture principles. The garden will serve as an educational and community resource, offering an afterschool program for high schoolers and weekly volunteer sessions to teach participants practical skills in sustainable food cultivation and land stewardship. Through hands-on learning opportunities, the project aims to promote awareness of the connection between agriculture and climate change, foster greater community engagement with sustainable practices, and give residents a tangible way to practice climate solutions.

Figure 3: Class at the University of Massachusetts Amherst in the permaculture garden.

The permaculture garden director will lead an afterschool program in the garden for high school students to learn about permaculture design through involvement in designing, building, and maintaining the garden. The afterschool program will meet on a weekday after school ends

for an hour and a half to work on the design, management, and maintenance of the garden with the guidance of the garden director. The students participating in the program for the first year would be involved in planning and creating the garden from scratch. In subsequent years, students would be involved in the ongoing development of the garden and have input on decisions such as which new plants to incorporate. During each year of the program, students will help with regular garden maintenance and receive hands-on education about permaculture principles, sustainable gardening, and land management practices.

The permaculture director would also host weekly volunteer sessions on the weekends during the spring and summer months, open to residents of all ages. These sessions would allow participants to gain knowledge of permaculture design and sustainable gardening and help maintain the garden. It would also be a space for individuals and families to connect and meet new people with shared interests in gardening or sustainability. There aren't many free public events in Mansfield that occur regularly besides the Mansfield Public Library's programs. There is a need for more of these community-building opportunities, especially for adults who don't have children or are more interested in outdoor, physically active activities, as opposed to writers' talks or book clubs.

Funding is sought to cover the costs of hiring a part-time permaculture garden director, establishing the garden infrastructure, procuring necessary materials, and supporting its ongoing maintenance and educational programming. The garden will serve as both a living classroom and a productive community space, hosting regular volunteer sessions where residents can gain practical skills in sustainable gardening techniques applicable to home settings. By embedding this resource at the public library, we create an accessible entry point for community members to

engage with sustainable food systems while enhancing the library's role as a center for practical knowledge and community resilience.

B. Seed Library

As part of this initiative, we also plan to establish a community seed library within the Mansfield Public Library. This resource will allow residents to access seeds—either harvested from the permaculture garden or donated by other community members—at no cost. The seed library will prioritize open-pollinated varieties, which are pollinated through natural processes or manual techniques and are capable of producing genetically stable offspring. We will place particular emphasis on sourcing organic and native seeds to promote biodiversity and ecological resilience.

The seed library will be housed in a self-service station within the library building, either in a dedicated room with available space or along a designated wall in the adult and teen section. The station will include a cabinet with labeled drawers organized by plant categories (e.g., flowers, tomatoes, leafy greens) and a desk for users to record seed donations and checkouts. Donation envelopes will be pre-printed with fields for relevant information, such as the plant’s common name, variety, harvest location, whether it is an annual or perennial, and whether it is organically grown. This approach ensures seed traceability and facilitates informed selection by future borrowers.

Community members will be encouraged to donate seeds by filling out a donation envelope with as much information as they can and placing it in the appropriate drawer. To borrow seeds, users will select a portion of seeds from an envelope, transfer them to a blank envelope, copy the relevant seed information, and log the transaction in a checkout log. This log will allow the Friends of the Mansfield Public Library to monitor which seeds are most

frequently used and guide future seed sourcing efforts. Additionally, borrowers will be invited to collect and return seeds from the plants they grow, fostering a cycle of local seed stewardship and community participation.

This model draws inspiration from the Mass Aggie Seed Library at the University of Massachusetts Amherst, a successful example of integrating sustainable agricultural practices into an educational and public-access setting (Borrego, 2025).

4. Measures of Project Success

The success of the Mansfield Public Library Community Permaculture Garden and Seed Library project will be measured through a combination of quantitative and qualitative indicators. These metrics will ensure that the project's goals of community engagement, education, and environmental stewardship are being met.

For the garden component, success will be measured by the physical establishment of a functioning permaculture garden, meaning a garden that models natural ecosystems and produces food. The garden should demonstrate key principles such as biodiversity, soil health improvement, and closed-loop systems. Metrics will include the number of edible and perennial plants established, the diversity of plant species, and improvements in soil quality over time, as measured by basic soil health assessments. Attendance records will be maintained for all volunteer sessions to track community participation. Additional indicators will include the number of high school students enrolled in the afterschool program and the consistency of their participation throughout the year.

Figure 4: Garden cultivated on permaculture principles.

Specifically, successful community engagement will be defined as engaging at least 200 community members in the first year, with 30% becoming regular participants (attending 3+ sessions). Additionally, we will record demographic information of participants to ensure the program reaches diverse segments of the Mansfield community, with quarterly reviews to address any participation gaps.

Knowledge acquisition will be measured through optional post-program surveys for adult volunteers, assessing their experience volunteering and understanding of permaculture principles and sustainable gardening practices. For the high school program specifically, we will ask all students to take pre- and post-program surveys. We will also track the number of student-led projects implemented and the degree of student engagement in designing, building, and maintaining the garden.

The seed library's success will be measured by the number of seed packets distributed to the public, the number of seed donations received from community members, and the variety of plant species represented in the library's collection. Sign-out logs and donation records will be kept to monitor usage trends and to adjust educational programming accordingly. Surveys will be

distributed periodically to participants of the seed library and garden programs to gather feedback on their experiences, knowledge gained, and suggestions for improvement.

Qualitative measures of success will include testimonials from participants, increased community awareness of sustainable gardening practices, and evidence of residents applying permaculture and seed-saving techniques at home. Over multiple years, we aim to see an increase in community-led initiatives related to local food production and sustainability, inspired by their engagement with the library garden and seed library.

By combining these concrete data points with community feedback, the project will be able to demonstrate meaningful impact on local environmental education, community resilience, and climate action efforts.” The long-term vision of a self-sustaining permaculture garden and seed library, actively supported and utilized by the Mansfield community, will serve as the ultimate measure of the project's impact and success.

5. Description of Available Facilities

Our proposed project seeks to build a permaculture garden in the patch of grassy lawn that is between two of the outer walls of the library building, on the side of the building farther from the Mansfield Council on Aging. The selected area is about 3,500 square feet and will get several hours of direct sun during the spring and summers while also having shadier space along the tree edge.

Figure 5: Ariel view of Mansfield Public Library, Google Maps 2025.

We have chosen the inside of the Mansfield Public Library to house the seed library, either in a dedicated room or along the wall in the adult and teen area. The Mansfield Public Library is a trusted and well-used community space, making it an ideal location for a seed library. With frequent visitors of all ages attending educational programs and community events, the library offers an accessible, familiar setting for residents to borrow and share seeds. Integrating a seed library would strengthen the library's role as a center for learning, sustainability, and community connection, encouraging local food growing and resource sharing among Mansfield residents.

Establishing a community permaculture garden on the grounds of the Mansfield Public Library and a seed library within the building directly supports the Library's mission to nurture creativity, support lifelong learning, and provide welcoming spaces for all. The Library's strategic plan for FY 2024–2028 emphasizes the goals of expanding community engagement,

offering dynamic educational programs, and optimizing both interior and exterior spaces to meet evolving needs

Figure 6: Inside of Mansfield Public Library

6. Qualifications of Personnel

The Friends of the Mansfield Public Library, a nonprofit organization dedicated to supporting and enhancing the offerings of the Mansfield Public Library, are well-positioned to oversee the development and stewardship of the proposed community permaculture garden and seed library. Members of our group have already engaged in significant research into permaculture principles, sustainable landscape management, and successful models of community-based permaculture projects across the country. This foundational knowledge has informed every aspect of our project planning and ensures that we are equipped to lead the administrative and strategic aspects of implementation.

We are committed to hiring a qualified and experienced permaculture garden director who will take the lead on the garden's design, creation, and ongoing educational programming. In reviewing applicants, we will prioritize individuals with backgrounds in sustainable agriculture, regenerative landscape design, or related environmental sciences—particularly those

who hold certifications in permaculture design, which are offered through respected institutions such as UMass Amherst and the Permaculture Education Institute. Additionally, because a key component of the project involves community education, preference will be given to candidates with experience facilitating group learning and working with youth.

Just as importantly, we recognize that this project is an opportunity for ongoing learning. Members of the Friends are eager and willing to deepen our understanding of permaculture by working alongside the garden director. We see this not only as a leadership opportunity but also as a chance to model lifelong learning and community collaboration. Our strong relationships within the town, extensive experience organizing events and fundraisers, and history of supporting educational programming make us uniquely suited to help integrate the garden into the cultural and civic life of Mansfield.

We will look to the garden director for technical and ecological guidance while contributing our own insights into how best to engage residents, attract volunteers, and create inclusive and meaningful programming. Through this collaborative approach, we are confident in our ability to shepherd a project that is both environmentally impactful and deeply rooted in the needs and interests of our community.

7. Budget

We are requesting funds to support the creation and maintenance of a permaculture garden and seed garden. Although funding to cover the estimated budgets of both the garden and the seed library would best set this project up for success, we are prioritizing securing funding for the permaculture garden costs. These are estimates of the funds needed to start these projects and maintain them in their first year of operation:

A. Permaculture Garden: Estimated Total of $19,018

- Initial garden design and installation based on permaculture principles
    - $15-30 for **transportation fees for donated compost and wood clippings**, which will be obtained for free from municipal compost programs and landscaping businesses in Eastern Massachusetts.
    - Seeds and plants for the garden, including native plants, fruit trees, and perennial vegetables
        - Seeds: about $350
        - Trees and shrubs: $1,000 (Permaculture Practice, 2024)
- $350 for the materials to build a small shed (Moneyzine, 2024)
- About $288 total for tools and equipment for garden maintenance and community workshops, although we will first seek donations of used garden tools in fairly good condition.
    - $51 dollars for 3 shovels at Lowes - Shovels | Lowes
    - $50 for 10 hand shovels for planting - Garden Trowel | Lowes
    - $121.96 for 2 pitchforks
    - $66 for 2 rakes
- $17,000 stipend for a qualified permaculture educator to lead volunteer sessions and the after school program
    - The Parks & Recreation Assistant Director of the Town of Mansfield made an annual salary $34,108.51 during the 2023-2024 fiscal year while working full time, so half of that would be reasonable for a part-time permaculture garden director

B. Seed Library: Estimated Total of $183

- $150 to purchase a used desk and cabinet, only after we look for donations of said items.
- $20 for a pack of 100 blank envelopes, that we will print information on to use as seed donation and seed borrowing envelopes (Amazon)
- $13 for a pack of 25 rollerball pens

8. Summary

The Friends of the Mansfield Public Library are proud to present this proposal for the creation of a community permaculture garden and seed library as a vital step toward a more sustainable, resilient, and connected Mansfield. By providing hands-on education in regenerative food production, ecological land management, and seed saving, this project will not only mitigate local environmental impacts but also foster a stronger, more climate-aware community.

We believe the Mansfield Community Permaculture Garden and Seed Library represents more than just a physical transformation of library grounds—it embodies a shift in how our town approaches food, landscapes, and collective responsibility. In an era marked by environmental uncertainty and growing climate distress, especially among younger generations, the opportunity to participate in solutions-oriented, community-based action is both timely and essential.

With the generous support of the Boston Foundation, this project will become a model of local climate resilience and a source of ongoing learning and empowerment for all who visit and contribute. We are excited to steward this effort and help plant the seeds—both literal and symbolic—for a healthier, more sustainable future in Mansfield and beyond.

We thank you for your time, consideration, and commitment to supporting grassroots solutions to global challenges.

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Bottom Cover Image: King County Parks Your Big Backyard. (2011, September 16). *Marymoor Park community garden* [Photograph]. Flickr. https://www.flickr.com/photos/kingcountyparks/

Figure 1: United States Environmental Protection Agency. (2025, March 31). *Sources of Greenhouse Gas Emissions*. https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions

Figure 2: Massachusetts Executive Office of Energy and Environmental Affairs. (2022, June 30). *Massachusetts Clean Energy and Climate Plan for 2025 and 2030*, 6. https://www.mass.gov/doc/clean-energy-and-climate-plan-for-2025-and-2030/download

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Figure 4: *Permaculture*. (2025). In *Wikipedia*. https://en.wikipedia.org/w/index.php?title=Permaculture&oldid=1287975300

Figure 5: *Mansfield Public Library*. (2025). Google Maps. Retrieved May 2, 2025, from https://www.google.com/maps/place/Mansfield+Public+Library/@42.0339006,-71.2098398,17z/data=!3m1!4b1!4m6!3m5!1s0x89e462622297ab45:0x61d56c398862c684!8m2!3d42.0339006!4d-71.2098398!16s%2Fm%2F0j929rw?entry=ttu&g_ep=EgoyMDI1MDQzMC4xIKXMDSoASAFQAw%3D%3D

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