



# STRATEGIC PLAN

2020 - 2024



## STRATEGIC PLANNING COMMITTEE

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## MISSION

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The mission of the Haverford College Arboretum is to steward the College's historic tree collection while fostering a connection between our 216-acre campus and those who work, visit, study, and reside here. Maintaining the health, diversity, and history of the tree collection honors William Carvill's original 1834 landscape design, while our educational programming ensures continued engagement with this unique and treasured asset.

## VISION

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Haverford College Arboretum values the importance of its rich history, natural landscape and the opportunities they present. Working with different communities, we serve to educate and preserve this ecologically diverse habitat and provide stewardship for our collections for generations to come.

## GUIDING PRINCIPLES

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1. STEWARDSHIP | Caring for the land that was entrusted to us
2. COMMUNITY | Building a sense of belonging for all
3. HISTORY | Guiding our future by maintaining the past
4. EDUCATION | Enlightening the community through experiences
5. SUSTAINABILITY | Protecting our resources for generations to come



## INTRODUCTION

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Haverford College Arboretum provides intrinsic environmental, aesthetic, and recreational benefits to our students, faculty, staff, and the surrounding community. Situated on 216 acres, the campus boasts a two-mile nature trail, a duck pond, pinetum, meadows, and woodlands. Located on the busy Main Line and nestled in Philadelphia's suburbs, the Arboretum is a significant green space that provides a respite to the busy Lancaster Avenue commercial corridor.

Its bucolic setting supports a wide variety of activities and provides an escape from busy day-to-day life. It's a place of mindfulness and creativity. Photographers and birders take solace on our trails and grounds. Walkers pause by the pond to watch the wildlife, and runners stride through the high grass of our meadows and forest trails. Steeped in history, the Arboretum still follows the original landscape plan set forth in 1834 by William Carvill. Oak allées line our roads and long vistas provide views of the pond. The arboretum also has a direct descendent of the Treaty Elm and is home to nine state champion trees.

## AUDIENCE AND COMMUNITY VALUE

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The community Haverford College Arboretum aims to serve is as important as the landscape we steward. An adept staff, dedicated membership, robust volunteer base, and loyal alumni look to bolster the greater community that both reside on and surround the campus. Its central location is a large green space in a busy commercial corridor offering significant aesthetic, health, educational, and environmental benefits accentuated by year-round public programming available to all age groups, abilities, and financial resources.



## HISTORY

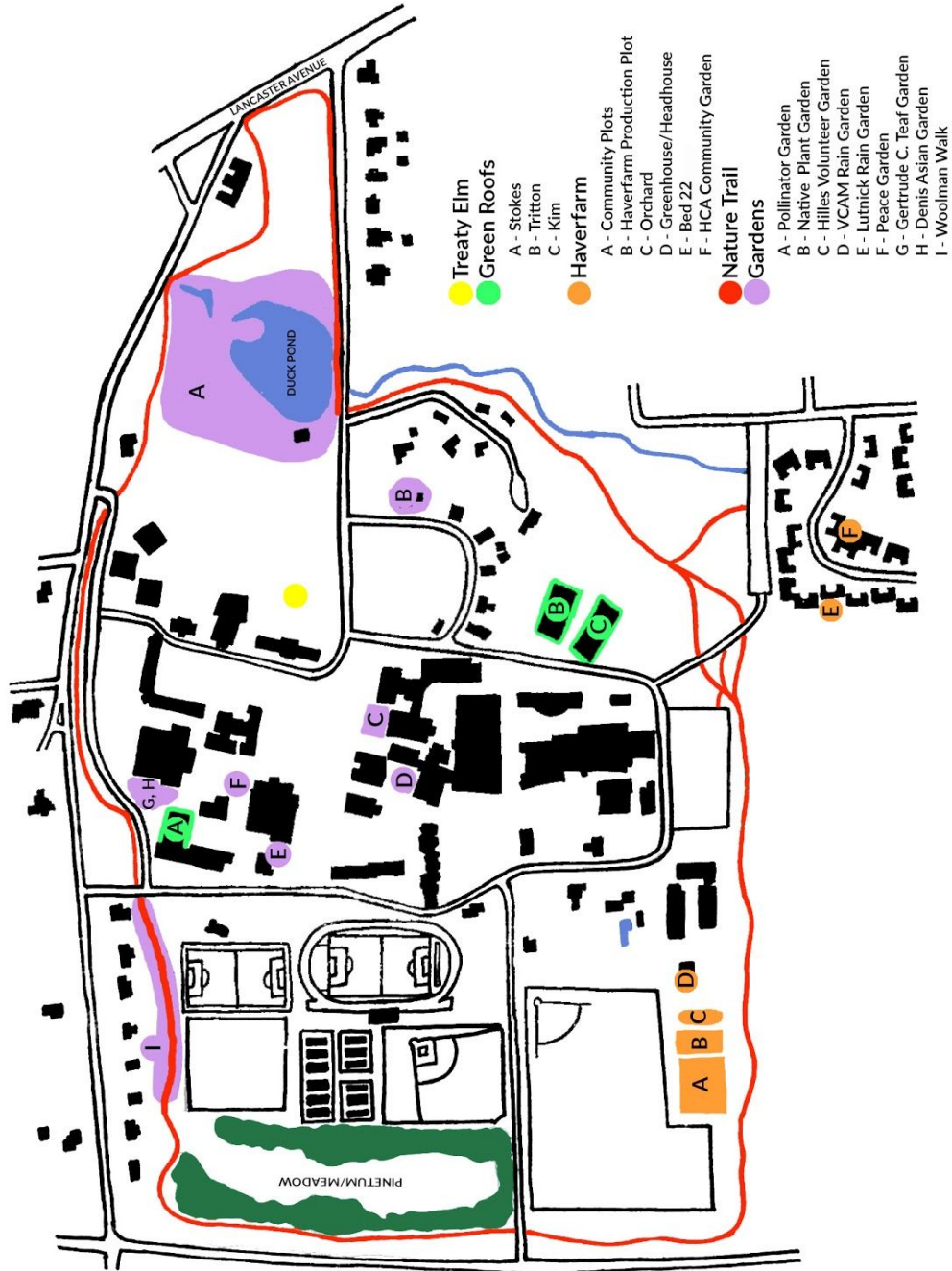
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- 1833 Haverford College was founded by Quakers on a 198.5-acre farm plot purchased for \$17,865. The all-boys school was devoted to providing an education that focused on tolerance, mutual respect, and educating the whole body.
- 1834 William Carvill, an English gardener, was hired to transform the tilled fields, woodlots, and pastures into a campus landscape. His design was a reflection of traditional English landscapes including trees that framed open spaces, many allées, and circles of trees on open lawns.
- 1836 Students raised \$600 to build a 40 ft. long greenhouse, garden area, and grape arbor.
- 1855 A fire destroyed the original greenhouse structure leaving only one stone wall remnant. Today this wall still stands on campus and is known as the Carvill Arch.
- 1901 Students, faculty, alumni, and friends of the college formed the Campus Club. This association held the goal of preserving William Carvil's landscape, cataloging rare trees and shrubs, and stimulating an interest in forestry, botany, and ornithology on campus.
- 1915 C. Cresson Wistar of the Class of 1865 donated seven American elm grafts. These plants were each a descendant of the Penn Treaty Elm, the tree under which William Penn made his historic treaty with the Lenni Lenape. These elms were planted in a circle on Barclay Beach with only one majestic descendent remaining today.
- 1928 Conifer seedlings were planted along Haverford Road. These seedlings are the foundation upon which the 18-acre Pinetum was built.



- 1933 The Campus Club established the Nature Trail to showcase the College's growing collection of trees and shrubs and to encourage bird-watching.
- 1974 The Campus Arboretum Association was founded by John A. Silver. This organization is now known as the Haverford College Arboretum Association, and it inspired a rekindled interest in planting and caring for Haverford's landscape. During this year the Smith-Magill gardens were installed at the Carvill Arch.
- 1990 Haverford College employs Hiroshi Makita to create a traditional Zen garden next to the Dining Center, which was dedicated as the Gertrude Chattin Teaf Memorial Garden on a moonlit evening in November.
- 1992 The Ryan Pinetum was named honoring Nancy and Dick Ryan who had inventoried and labeled the original Pinetum tree collection.
- 2004 The Elizabeth Prior and Reid M. Denis Asian Garden was unveiled to the Haverford community, adjacent to the Teaf Memorial Garden.
- 2008 The peace garden was planted next to the library, and a green roof was installed atop Stokes Hall.
- 2012 Green Roofs are incorporated atop the new Kim and Tritton dorms.
- 2014 The Haverfarm was created as a partnership between the Arboretum, and the ENVS department. The farm is a year-round farming and educational space designed to integrate sustainable food and agriculture into the lives of the college community.
- 2017 The Arboretum undertook a new era of restoration. The Duck Pond was restored ensuring the protection of our native wildlife, and a Tree Risk Assessment was completed to kick off the Tree Revitalization Project.

**COLLECTION MAP**





## CONTEXT AND PROCESS

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The Arboretum is experiencing a period of growth and change. With an emphasis on revitalization, staff and volunteers have responded by expanding the Arboretum's focus to include environmental education activities and scientifically grounded projects aimed to reduce run-off, enhance habitat and biodiversity, and increase opportunities for students and neighbors to participate as problem-solvers and beneficiaries of a healthier environment. Without a clear direction or purpose, there was the concern of being ineffective in our attempts at achieving goals. To that end, a Strengths, Weaknesses, Opportunities, & Threats (SWOT) analysis was completed on March 1, 2018.

### Strengths:

1. Campus beauty
  - Carville's design
  - Sense of place
  - Diversity of species
  - Upkeep
  - Harmony between manicured and wild spaces
  - Diversity of spaces
  - Distinctive suburban location
2. People
  - Capable staff
  - Volunteer base/membership
  - Residential community
  - Visitors
  - Loyal Alumni
3. Programming
  - For campus
  - For school groups
  - For membership
  - For the farm
  - For the arts

### Weaknesses:

1. Limited resources
  - Staff
  - Budget
  - Small membership and volunteer base
2. Landscape
  - Aging tree stock
  - Invasive species
  - Pesticide use
  - Compaction from walkers and vehicles
3. Lack of significant philanthropic tradition
4. Visibility on both campus and virtually



**Opportunities:**

1. New resources
  - Grants
  - Gifts
2. Programming:
  - Living Laboratory
  - Public educational classes
  - Catering to new audiences: neighbors, visitors, and parents
3. Campus
  - Dedicated areas for modeling specific plants, e.g. natives or resilient species
  - New campus hub
4. Be a part of something bigger - we are situated among other gardens and arboreta.

**Threats:**

1. Changing environment: concerns for the health of the campus ecosystem
2. Philanthropy: donors increasingly seek impact
3. Are the current mission/priorities compelling enough?

Upon completion of the SWOT, it became evident that the Arboretum was in need of a Strategic Plan. On September 21, 2018, the first Strategic Planning Committee meeting was held. This meeting was a gathering of Arboretum staff and members, Haverford College faculty/staff, students, alumni, and community representatives. Planning actions undertaken by the Strategic Planning Committee began with a review of the Arboretum's current strengths, weaknesses, opportunities, and threats. From there the committee was able to revise the Arboretum's mission statement to better align with current goals.

From this meeting, members of the Strategic Planning Committee were divided into three subcommittees (Education; Events and Outreach; and Visitor Experience, Development, and Philanthropy). Each subcommittee met monthly until March of 2019 and further developed their ideas in relation to their committee's focus. In March, all members met to develop the guiding principles for the 2020 - 2024 strategic plan. These principles allowed the committee to decide upon priority goals and formalize a structured plan to guide the Arboretum for the next five years.

1. Stewardship
2. Community
3. History
4. Education
5. Sustainability



# STEWARDSHIP

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## Caring for the land that was entrusted to us

As a Quaker based institution, stewardship is a particularly strong guiding principle. We value the gifts we have inherited by not only protecting but enhancing the 216-acre landscape. A commitment to the Arboretum being a vibrant and healthy ecosystem is of the utmost importance if we are to withstand the current and future environmental changes and challenges.

### 2020 - 2024 Goals, Measurable Objectives, and Actions

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- 1) Conserve the landscape and tree canopy from environmental threats
- 2) Preserve our natural resources by guiding responsible use and management of the 216-acre property
- 3) Increase diversity and enhance our plant collection



# COMMUNITY

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## **Building a sense of belonging for all**

While we cannot quantify the number of visitors who step foot in the Arboretum, we are surrounded by a vibrant and diverse community that uses our grounds daily. Our community is integral to our success as an organization, and it is the Arboretum's responsibility to set goals that ensure continued community support while expanding community connections.

### **2020 - 2024 Goals, Measurable Objectives, and Actions**

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- 1) Increase visibility and community awareness of the campus's natural resources and the enrichment they offer
- 2) Develop a compelling visitor experience for all audiences
- 3) Continue to expand our membership database
- 4) Develop a structured volunteer program to engage students, staff, faculty, school groups, and community members
- 5) Increase student and faculty involvement in the Arboretum



# HISTORY

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## Guiding our future by maintaining the past

History is an integral part of the Arboretum and provides us with a sense of identity. It connects one generation to the next and helps us understand who we are and how we may shape our future. It gives us a sense of place. Haverford values its rich landscape history, and we strive to preserve William Carvill's original landscape plan and perpetuate his vision for future generations.

## 2020 - 2024 Goals, Measurable Objectives, and Actions

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- 1) Preserve and restore historic features intrinsic to Haverford's campus
- 2) Follow and expand upon William Carville's 1834 landscape plan
- 3) Broaden the archive collection of both the Arboretum and the Haverfarm



# EDUCATION

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## Enlightening the community through experiences

Being a part of a large educational institution, Haverford College Arboretum is in a unique position where we have access to many levels of educational advancement. We are beginning to establish and maintain a dynamic educational program with the goal of educating all those who work, study, visit, and reside on our grounds. We have the potential to increase our reach through the local community and beyond by enhancing our programs and recognizing our educational strengths.

### 2020 - 2024 Goals, Measurable Objectives, and Actions

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- 1) Develop and maintain dynamic educational programs
- 2) Become an academic resource for the college community
- 3) Build a tour and field trip program
- 4) Broaden our educational resources to the Haverford community



# SUSTAINABILITY

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## Protecting our resources for generations to come

Sustainability is meeting the needs of the present generation without compromising the ability of future generations to meet their needs (Brundtland, 1987). The Arboretum strives to make thoughtful decisions in both managing the landscape and considering the needs of faculty, staff, and students.

### 2020 - 2024 Goals, Measurable Objectives, and Actions

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- 1) Develop a management plan for the natural areas
- 2) Restructure Haverfarm staffing
- 3) Create an advisory committee (Haverfarm and Arboretum) composed of community members, employees, students, and alumni
- 4) Provide professional and educational development opportunities for Haverfarm, Arboretum, and grounds staff
- 5) Optimize organic land care to minimize the use of pesticides and fungicides in balance with other community priorities around land use and aesthetics



**STEWARDSHIP | 1.1 | Conserve the landscape and tree canopy from environmental threats**

	Recommendation	Project Lead	Collaborators	Timeline
1.1.1	Wetlands and Stream Restoration (Campus Wide)	Assistant Director of Facilities Management, Maintenance, and Utilities	Arboretum Director, Professional Consultants	Ongoing
1.1.2	Convert mowed turf areas into a managed meadow in phased increments. Incorporate native meadow grass, bulb plantings, and other herbaceous plantings to create wildlife habitats and to emulate William Carvill's late 19th-century landscape	Arboretum Director	Horticulturists, CER, Chief Sustainability Officer	Ongoing
1.1.3	Continue invasive plant removal from the natural areas in accordance to our Natural Areas Management Plan	Arboretum Director, Program Coordinator	Horticulturists, Volunteer	Ongoing
1.1.4	Plant more heat tolerant tree selections due to global climate change	Curator	Horticulturists	Ongoing

**STEWARDSHIP | 1.2 | Preserve our natural resources by guiding responsible use and management of the 216-acre property**

	Recommendation	Project Lead	Collaborators	Timeline
1.2.1	Preserve the treaty elm - continued propagation and distribution	Curator	Horticulturists	Ongoing
1.2.1.1	Create a policy outlining the appropriate distribution of saplings	Curator	Horticulturists	Immediate
1.2.2	Partner with other arboreta to exchange historic collections (ex. Lafayette sycamore) to prevent extinction	Curator	Horticulturists	Ongoing
1.2.3	Restoration of the Pinetum collection	Curator	Horticulturists	Ongoing

**STEWARDSHIP | 1.3 | Increase diversity and enhance our plant collection**

	Recommendation	Project Lead	Collaborators	Timeline
1.3.1	5-year Tree Risk Assessment	Arboretum Director	Consultants, Horticulturists	2-5 Years



1.3.1.1	Continue to plant two trees for each one that is removed	Arboretum Director, Curator	Horticulturists	Ongoing
1.3.2	Obtain Level III status with Arbnet	Curator	Arbnet	Immediate
1.3.3	Expand the farms growing space by adding a high tunnel to lengthen the growing season	Haverfarm Fellow	Arboretum Director, Chief Sustainability Officer	Immediate

**COMMUNITY | 2.1 | Increase visibility and community awareness of the campus's natural resources and the enrichment they offer**

	Recommendation	Project Lead	Collaborators	Timeline
2.1.1	Table on the Nature Trail	Program Coordinator	Volunteers	2-5 Years
2.1.2	Attend local horticultural events to increase professional networking	Horticulturists, Program Coordinator	All Staff	Ongoing
2.1.2.1	All staff should attend 1-3 events outside of Haverford per year (conferences, workshops, etc.)	Horticulturists, Program Coordinator	All Staff	Ongoing
2.1.3	Support an active contingent of community gardeners	Arboretum Director	Haverfarm Fellow	Ongoing

**COMMUNITY | 2.2 | Develop a compelling visitor experience for all audiences**

	Recommendation	Project Lead	Collaborators	Timeline
2.2.1	Continue to work on the Nature Trail Improvements Project	Curator	All Staff	2-5 Years
2.2.2	Enhance our online presence to include the Haverfarm and to better inform the public of Arboretum ongoings	Program Coordinator, Haverfarm Fellow	Communications Department	Immediate

**COMMUNITY | 2.3 | Continue to expand our membership database**

	Recommendation	Project Lead	Collaborators	Timeline
2.3.1	Continue to gift two-year memberships to graduating seniors	Curator	Institutional Advancement	2-5 Years





2.3.1.1	Research additional gift membership opportunities	Curator	Institutional Advancement, Advisory Committee	2-5 Years
2.3.2	Gain 20 new community memberships per the calendar year	Advisory Committee	Volunteers, Curator	Ongoing
2.3.3	Continue to decrease the amount of dropped and lapsed memberships	Advisory Committee	Curator	Ongoing
2.3.4	Continue working with Institutional Advancement to develop Arboretum partnerships	Curator	Advisory Committee, Institutional Advancement, Alumni	Ongoing

**COMMUNITY | 2.4 | Develop a structured volunteer program to engage students, staff, faculty, school groups, and community members**

	Recommendation	Project Lead	Collaborators	Timeline
2.4.1	Design a volunteer handbook and apprenticeship program	Program Coordinator	Haverfarm Fellow, Volunteers	Immediate
2.4.2	Implement volunteer appreciation and benefits	Program Coordinator	Advisory Committee	2-5 Years
2.4.3	Increase volunteer involvement (individuals, schools, and corporations)	Advisory Committee	Program Coordinator	Ongoing
2.4.4	Continue to host regularly scheduled volunteer opportunities	Program Coordinator	Haverfarm Fellow, Horticulturists, Volunteers	Ongoing

**COMMUNITY | 2.5 | Increase student and faculty involvement in the Arboretum**

	Recommendation	Project Lead	Collaborators	Timeline
2.5.1	Engage more students by lessening the economic barrier to programs	Program Coordinator	Haverfarm Fellow, Students	Immediate
2.5.2	Participate in relevant committees (CSSR, CER, etc.), fairs, and events (Customs Week, HaverFest, etc.)	Arboretum Director, Program Coordinator, Haverfarm Fellow, Curator	CSSR, CER, Campus Program Coordinators and Community Leaders	Ongoing
2.5.3	Develop a Haverfarm program to combat food insecurity among the student population	Haverfarm Fellow	Chief Sustainability Officer, Students	2-5 years



## HISTORY | 3.1 | Preserve and restore historic features intrinsic to Haverford's campus

	Recommendation	Project Lead	Collaborators	Timeline
3.1.1	Upgrade the skate house (Restore physical space - heating, furnishing, doors, and lighting)	Arboretum Director	Curator	2-5 Years
3.1.2	Restore Woolman Walk to the 1970's original plan	Arboretum Director	Horticulturists, Advisory Committee	2-5 Years
3.1.3	Restore and preserve the Ryan Pinetum	Arboretum Director	Horticulturists, Professional Consultants	2-5 Years
3.1.3.1	Implement infrastructure recommended by the stormwater management plan	Arboretum Director	Professional Consultants	Immediate (Funding Dependant)
3.1.3.2	Re-introduce <i>Taxus</i> genus	Arboretum Director	Horticulturists, Curator	2-5 Years
3.1.3.3	Research and acquire evergreen species suitable for historic collections	Horticulturists	Arboretum Director, Curator	Immediate
3.1.3.4	Install and monitor bat and bird boxes	Horticulturists	Arboretum Director, Volunteer Citizen Scientists	2-5 Years
3.1.4	Perpetuate and preserve the treaty elm	Horticulturists	Curator, Arboretum Director	Ongoing
3.1.4.1	Re-establish a circle of elms on Barclay Beach	Curator	Horticulturists	2-5 Years
3.1.4.2	Maintain relationships with the Lenni Lenape	Horticulturists	Arboretum Director	Ongoing

## HISTORY | 3.2 | Follow and expand upon William Carvill's 1834 landscape plan

	Recommendation	Project Lead	Collaborators	Timeline
3.2.1	Ensure all major campus thoroughfares are lined with trees	Arboretum Director, Curator	Horticulturists	Ongoing
3.2.2	Add evergreens to campus intersections	Arboretum Director, Curator	Horticulturists	Ongoing
3.2.3	Add circles of trees to lawn areas	Arboretum Director, Curator	Horticulturists	Ongoing



3.2.4	Ensure Arboretum involvement in campus construction pertaining to landscape protection and new design.	Arboretum Director	Curator, Horticulturists, Campus Architect	Ongoing
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### HISTORY | 3.3 | Broaden the archive collection of both the Arboretum and the Haverfarm

	Recommendation	Project Lead	Collaborators	Timeline
3.3.1	Hire an archive student worker	Program Coordinator	Haverfarm Fellow	2-5 Years

### EDUCATION | 4.1 | Develop and maintain dynamic educational programs

	Recommendation	Project Lead	Collaborators	Timeline
4.1.1	Continue to revise programs offered to the Haverford community to ensure they align with our mission	Program Coordinator, Haverfarm Fellow	Community, Students	Ongoing
4.1.2	Construct a Horticultural Center consisting of office space, horticultural library, member resource center, and a hub for educational programming	Arboretum Director	Curator, Program Coordinator	2-5 Years
4.1.3	Restructure the beekeeping program under the direction of the Haverfarm	Haverfarm Fellow	Arboretum Director, KINSC Director, Program Coordinator, Curator	Immediate

### EDUCATION | 4.2 | Become an academic resource for the college community

	Recommendation	Project Lead	Collaborators	Timeline
4.2.1	Foster a living laboratory environment by working with faculty to incorporate the Arboretum into their curriculums	Arboretum Director, Program Coordinator, Haverfarm Fellow	KINSC Director, All Department Heads	2-5 Years
4.2.2	Design a course for the environmental studies department revolving around the Haverfarm	Haverfarm Fellow	ENVS Department Chair, KINSC Director	Immediate
4.2.3	Ensure admission tours have consistent information about the Arboretum	Program Coordinator	Senior Associate Director of Admissions	Immediate
4.2.4	Conduct research through the Haverford community (faculty or students)	Program Coordinator,	KINSC Director, Biology and ENVS	2-5 Years



		Curator	Department Chairs	
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### EDUCATION | 4.3 | Build a tour and field trip program

	Recommendation	Project Lead	Collaborators	Timeline
4.3.1	Design a structured payment plan for tours	Program Coordinator	HaverfarmFellow	Immediate
4.3.2	Make a tour/field trip contract	Program Coordinator	Haverfarm Fellow	Immediate
4.3.3	Align tours with school curriculums	Program Coordinator	Advisory Committee, Haverfarm Fellow	2-5 Years

### EDUCATION | 4.4 | Broaden our educational resources to the Haverford community

	Recommendation	Project Lead	Collaborators	Timeline
4.4.1	Inform trail users of leave no trace principles	Advisory Committee	Program Coordinator	Immediate
4.4.2	Continue to accession our collection	Curator	Horticulturists	On going
4.4.3	Construct a perennial care guide	Haverfarm Fellow	Sustainability Fellow	Immediate
4.4.4	Increase the amount of educational interpretive panels in the Arboretum	Curator	Arboretum Director	Ongoing
4.4.4.1	Library	Curator	Arboretum Director	Immediate
4.4.4.2	Pinetum	Curator	Arboretum Director	2 - 5 Years
4.4.4.3	Treaty elm	Curator	Arboretum Director	Immediate
4.4.4.4	Duck Pond	Curator	Arboretum Director	2 - 5 Years

### SUSTAINABILITY | 5.1 | Develop a management plan for the natural areas

	Recommendation	Project Lead	Collaborators	Timeline
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5.1.1	Meadows	Arboretum Director	Sustainability Fellow, Curator, Program Coordinator, Horticulturists	2 - 5 Years
5.1.2	Woodlands	Arboretum Director	Sustainability Fellow, Curator, Program Coordinator, Horticulturists	2 - 5 Years
5.1.3	Managed Turf	Arboretum Director	Sustainability Fellow, Curator, Program Coordinator, Horticulturists	2 - 5 Years
5.1.4	Reforestation Campus Wide	Arboretum Director	Sustainability Fellow, Curator, Program Coordinator, Horticulturists	2 - 5 Years
5.1.5	Examine the economic value of the ecosystem services of the natural area	Arboretum Director	CSSR	2 - 5 Years

## SUSTAINABILITY | 5.2 | Restructure Haverfarm staffing

	Recommendation	Project Lead	Collaborators	Timeline
5.2.1	Provide for full-time 12-month farm oversight	Arboretum Director, KINSC Director	Chief Sustainability Officer	2 - 5 Years
5.2.1.1	Hire a full-time 12-month farm employee	Arboretum Director, KINSC Director	Chief Sustainability Officer	2 - 5 Years
5.2.1.1.1	Secure resources necessary to provide for a full time farm employee	Arboretum Director, KINSC Director	Chief Sustainability Officer	2 - 5 Years - Funding permitting
5.2.1.2	Extend the farm fellowship into the winter months to ensure continuity within the student body	Arboretum Director, KINSC Director	Chief Sustainability Officer	2 - 5 Years - Funding Permitting
5.2.2	Provide four work study positions on the farm to engage and support students	Haverfarm Fellow	KINSC Director, Arboretum Director	Immediate
5.2.3	Provide professional management and instructional resources to farm employees	Arboretum Director, KINSC Director	KINSC Director, Chief Sustainability Officer	Ongoing



**SUSTAINABILITY | 5.3 | Create an advisory committee (Haverfarm and Arboretum) composed of community members, employees, students, and alumni**

	Recommendation	Project Lead	Collaborators	Timeline
5.3.1	Determine scope and focus for advisory committee	Arboretum Director, Haverfarm Fellow	Advisory Committee	2-5 Years
5.3.1.1	Create job descriptions and roles within the committee	Arboretum Director, Haverfarm Fellow	Advisory Committee	2-5 Years

**SUSTAINABILITY | 5.4 | Provide professional and educational development opportunities for Haverfarm, Arboretum, and grounds staff**

	Recommendation	Project Lead	Collaborators	Timeline
5.4.1	Staff will attend continuing educational classes to keep current on horticultural trends	Arboretum Director	All Staff	Ongoing
5.4.2	Staff will attend trips to other horticultural organizations	Program Coordinator	All Staff	Ongoing
5.4.3	Build a cohesive staff unit by increasing communication and team building exercises	Arboretum Director	All Staff	Immediate

**SUSTAINABILITY | 5.5 | Optimize organic land care to minimize the use of pesticides and fungicides in balance with other community priorities around land use and aesthetics**

	Recommendation	Project Lead	Collaborators	Timeline
5.5.1	Research organic land care trends and see how they can fit into Haverford's overall landscape	Arboretum Director	Haverfarm Fellow, Sustainability Fellow	Immediate
5.5.2	Implement organic land care policies	Arboretum Director	Haverfarm Fellow, Sustainability Fellow	2-5 Years



## Glossary

**Accession:**

A numbering system so that each tree or plant can be identified as an individual. Upon arrival at the arboretum every tree or shrub is given an accession number which begins with the year that it was attained and then the sequence in which it was purchased in that given year.

**Allée:**

A walkway lined with trees or tall shrubs.

**CER:**

Committee for Environmental Responsibility

**Champion Tree:**

Champion trees are determined by a point system based on three measurements. One point is given for each inch of the tree's circumference measured at a height of 4 ½ feet, one point is given for each foot of the tree's height, and a quarter point is given for each foot of crown spread. The largest known measured specimen of its genus and species becomes State Champion.

**Conifer:**

A tree that bears cones and needle-like or scale-like leaves that are typically evergreen.

**CSSR:**

Committee for Sustainability and Social Responsibility

**ENVS:**

Environmental Studies Department

**High Tunnel:**

Also known as a hoop house, it's an unheated greenhouse that can help farmers extend their growing season.



**Haverfarm Fellow:**

A 2-year position which contributes to managing and developing a robust farm program at Haverford, and to strengthening connections between academic and outreach activities both on and off campus.

**KINSC:**

Koshland Integrated Natural Science Center

**Pinetum:**

A scientific collection of living coniferous trees.

**SWOT:**

Strengths, Weaknesses, Opportunities, Threats

**Treaty elm:**

In 1682, William Penn made a pact of peace and unity with the Lenni Lenape Nation under an American Elm. This tree is a direct descendant of the famous Penn Treaty Elm and is the last of a group of seven planted on campus in 1915 as per William Carvill's original plan.

**William Carvill:**

Arriving in 1834, Carvill is the original landscape architect of the Haverford College campus, which is noted as being the oldest planned college landscape in the country.