

## Community Grant Proposals and Recommended Funding

Below is a list of community grant proposals received through the 2014 RFP process. Following comprehensive review of the proposals, SFI Inc. staff put forward the following recommendations for funding. Summaries of each proposal are included in the attached spreadsheet, and are listed in the same order as below.

<b>Proposals Recommended for Funding of \$5,000 each</b>	<b>Page</b>
1. Greenwood Area Habitat for Humanity: <i>Habitat in Step with Sustainability</i>	2 – 6
2. Tree Canada: <i>Canada's Arboreal Emblems: Official Trees and Their Wood</i>	7 – 9
3. Center for Native Peoples and the Environment – SUNY-ESF: <i>Exploring Forest Sustainability with Indigenous Youth</i>	10 – 14
4. Manitoba Forestry Association: <i>Sandilands Forest Discovery Centre (SFDC) Education Trail Repair and Updating</i>	15 – 19
5. Greening of Detroit: <i>Citizen Forester Program</i>	20 – 24
6. American Forest Foundation: <i>From Nature's Perspective</i>	25 – 31
7. Empire State Forestry Foundation: <i>Northeast Forestry Teachers Tour and PLT Conference</i>	32 – 34
8. Northern California Society of American Foresters: <i>2014 Forestry Institute for Teachers</i>	35 – 39
9. Pacific Education Institute: <i>STEM Education on Sustainable Forest Practices</i>	40 – 43
<b>Proposals Not Recommended for Funding</b>	<b>Page</b>
10. Ann's Backyard Forest: <i>(Sub)urban Forest Walking Tour: Environmental Contributions of a Natural Resource Workhorse</i>	44 – 48
11. Association of BC Forest Professionals: <i>Healthy Forests-Healthy Communities Webinar Series</i>	49 – 52
12. Carpenters Elementary School: <i>Kiosk and dendrology signs for Carpenter's Elementary Outdoor Classroom for Environmental Education</i>	53 – 58
13. Forestry Educators Incorporate: <i>2014 California Forestry Challenge</i>	59 – 63
14. Idaho Forest Foundation, c/o Idaho Community Foundation: <i>Idaho Project Learning Tree SFI Education</i>	64 – 66
15. Indiana Forestry Educational Foundation: <i>Indiana Natural Resource Teacher Institute</i>	67 – 71
16. International Forestry Students' Symposium – 2014 Organizing Committee - UNBC: <i>University of Northern British Columbia portion of the International Forestry Student Symposium</i>	72 – 75
17. MD-DE SFI Implementation Committee: <i>Sustainable Forests Landowner Information project</i>	76 – 80
18. MD-DE SFI Implementation Committee: <i>Maryland - Delaware Master Logger Program Information and Promotion</i>	81 – 84
19. Massey-Vanier High School: <i>Sustainability for the Future</i>	85 – 89
20. Research Foundation of SUNY-POB, SUNY College of Environmental Science and Forestry: <i>Student Scientists and the Search for the Emerald Ash Borer</i>	90 – 94
21. South Carolina Forestry Foundation: <i>SC Teachers' Tour: Teaching Sustainable Forestry through Environmental Education</i>	95 – 98
22. Southern Forest World Environmental Center: <i>Spreading the word about Georgia's sustainable forests</i>	99 – 104
23. Zajac Ranch for Children: <i>Wood Pellet Boiler</i>	105 – 109

## SFI Community Grant Application

### Organization Information

Lead Organization Name and Address	<b>Greenwood Area Habitat for Humanity (GAHFH)</b>
Name, phone and email for Project Director	Chad Charles, Director 864-223-9399 director@greenwoodhabitat.org
Lead Organizational Mission Statement (25 words or less)	"Putting God's love into action. Greenwood Area Habitat for Humanity brings people together to build homes, communities, and hope."
Lead Organization Annual Operating Budget	\$198,553.13
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Toni Able, Director, Healthy Greenwood Neighborhoods, Inc. 864-941-3370 <a href="mailto:healthygreenwoodneighborhoods@gmail.com">healthygreenwoodneighborhoods@gmail.com</a>  Charlie Barrineau, Greenwood City Manger 864-942-8410 charlie.barrineau@cityofgreenwoodsc.com

### Project Overview

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Habitat in Step with Sustainability	4 months	\$5000	\$60,000 for materials  \$20,000 volunteer labor  \$5,000 Construction manager salary per house	The Greenwood Area Habitat for Humanity is requesting \$5000 toward the construction of a partner family home in the summer of 2014 using SFI certified products and with participation from several SFI certified businesses in addition to our many regular volunteers.	Objective 17- Community Involvement in the Practice of sustainable forestry  Elements include tour for GAHFH volunteers, presentations, product donation and volunteer construction time

### Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
Greenwood Area Habitat for Humanity, Lead org.	Chad Charles, Director	<a href="mailto:director@greenwoodhabitat.org">director@greenwoodhabitat.org</a> 864-223-9399 Office 864-980-7342 123 Baily Circle Greenwood, SC 29646	Habitat has had an active presence in Greenwood since 1988 and has served 80 families. Chad has been construction manager & executive director

			since 2008 & has a background in construction. He is a true leader in the community.
SC SFI State Committee	Guy Sabin, State SFI Coordinator	<a href="mailto:gsabin@scforestry.org">gsabin@scforestry.org</a> 803-798-4170 SC Forestry Association 4901 Broad River Rd. Columbia, SC 29212	The SC SFI State Implementation Committee operates as a committee of the South Carolina Forestry Association, a nonprofit organization dedicated to forest conservation and the sustainable use of natural resources. SCFA advocates for a business friendly climate for our landowners and forest industry while promoting conservation and sustainability of South Carolina's forests. SCFA proudly serves 2,500 members and trained timber professionals who grow, manage, harvest, and process the forest resource. Guy Sabin has 24 years of experience as a forester and biologist in Washington State, Virginia, and South Carolina. He has a BS in Biology from The Citadel and an MS in Forest Resources from Clemson University. As Director of Education and Programs at SCFA, Guy supports the SIC, Tree Farm Program, Sustainable Forestry Teachers' Tour, Wood Magic Forest Fair, county landowner associations, and other programs.

The SC SFI Committee has elected to represent their entire statewide body of certified representatives in partnering with this Habitat project. We received very enthusiastic verbal support from our regional SFI certified operations including International Paper, Georgia-Pacific, Kapstone, and Norbord, each willing to make a contribution to this effort, including a tour of an OSB facility and presentations for Habitat volunteers, product donations, and volunteer workers for a framing blitz at the build designated as the "Habitat in Step with Sustainability" house. Other SFI groups around the state have also eagerly committed to contribute. The SC SFI Chairman, Tom Merriman, has asked us to attend their state meeting in March when all of their members are present making it easier to coordinate specific donations. With every phone call made on behalf of this grant opportunity, the response was always "We have been looking for a way to work with Habitat!"

### **Project Details**

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Foundation & framing complete	Scheduling contracted and volunteer work days	Looks like a house with a roof, windows and siding	Meets code	5,000	5000-6000
Interior/exterior	Volunteers working	Interior takes shape-	Meets code, family	0	75,000

complete	feverishly	drywall, wiring, finish work	moves in		
Information exchange	Tour of Joanna OSB facility for Habitat. Presentation about SFI certification at dedication	Shared understanding of sustainable forest practices & certification	75% of our regular volunteers will attend tour and 40-50 folks attend the home dedications	0	250 van rental for tour

Greenwood Habitat makes every effort to build homes that are safe, efficient, sustainable and affordable for our partner families. We install insulated windows, energy-efficient appliances and use recommended insulation. Our average cost for materials for building a three bedroom/two bath home is \$60,000 from groundbreaking to final grading and landscaping. Framing alone runs \$10-11,000, and we will use this grant to designate one house in the summer of 2014 as our 'Habitat in Step with Sustainability' home. We average 2000 volunteer hours for each home valued at \$10/hour or \$20,000 worth of labor donated. [Note: This includes a few individuals who are dedicated to the electrical work-among other things-that would cost considerably more on the open market.]

In an effort to share information about sustainable forest products from seed to the store, we are arranging for a tour of the SFI certified Norbord OSB facility in Joanna, SC for Habitat volunteers. We are offering SFI certified business employees a special opportunity to participate in home construction along with our 10-15 regular volunteers and partner families. This will complete the cycle from the store to the final destination. We will take a moment to share information about sustainable forest product certification during the home dedication ceremony, and we will include information about SFI products and benefits in all press releases and news articles. Greenwood Habitat enjoys a great relationship with our local news sources-printed and on-line.

Although not listed as partners in this Habitat request, we are proud to receive support from a number of sources in Greenwood County. Our request from the Greenwood Community Foundation for tools and equipment for our volunteers was the only proposal that was fully funded this cycle because of our stellar reputation for community involvement. This year three universities will bring a team of student workers to Greenwood during spring break to help with construction and renovations. We receive financial support for home construction from the Self Family Foundation, churches, fundraisers, through mortgage servicing, Greenwood Partnership Alliance, Upper Savannah Council of Governments and the Greenwood Community Foundation. We collaborate with city and county planning efforts. GAHFH also runs a neighborhood revitalization program and we operate a successful ReStore. We partner with Healthy Greenwood Neighborhoods, Inc. to bring community gardens, crime watch, leadership training, health and wellness programs, and litter control to Habitat neighborhoods through their Neighborhood Association Council. In the past eight months four local churches combined to sponsor a Habitat house, and Ascend Materials let their employees build another Habitat home on the company lot and on company time. In three weeks' time this house was moved to its permanent location in Ninety Six, SC, where it was completed by our regular volunteers and dedicated just before Christmas, 2013.

Greenwood Area Habitat for Humanity enjoys widespread community support with a reputation for excellence in community involvement. We provide our partner families with a series of training sessions on financial management and other skills for successful home-ownership. Our regular volunteers are unsurpassed, and since 1988 we have maintained a talented, committed volunteer base bringing a complete range of construction skills. On any given work day, the main sound is people laughing and sharing fellowship-along with hammers, saws, nail guns, etc. We offer a unique opportunity for learning new skills, making new friendships and bringing different communities together-it is our strength and our mission. Collaborating with the forest product community is a natural extension for us and we are eager to cultivate this new connection.

We appreciate that Habitat for Humanity and SFI have a national agreement, as we both seek to support stable, sustainable communities. We are heartened by the wildly enthusiastic response we received from our regional SFI state committee and associated certified businesses, so the 'Habitat in Step with Sustainability' will produce a shining gold star performance for all.

[Note from the grant writer: I am involved in numerous volunteer activities around my community, and Habitat is by far my favorite. We have the most fun legally allowable at the work site and I am unofficially referred to as the Caulk Queen. Everyone is treated with absolute respect, and we enjoy fellowship with so many folks we may not ordinarily know. This is my third year with them, and I still cry at every home dedication ceremony.]

**Project Timeline**

We have every expectation to begin on this house in May, 2014, and total construction time from groundbreaking to dedication is about 4 months. Framing, siding and roofing take about three weeks once the foundation is in. We are working on scheduling our tour of the OSB facility for summer, 2014.

**Project Budget**

<b>Expenditure PER HOUSE</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
Framing materials & labor	5000	5-6000  \$1000	Self Family Foundation  SFI associates	Cash  vol. labor	regular volunteers @\$10/ hour SFI volunteers @ \$10/hr.	\$10-11,000  100 hrs.  100 hrs.
Other construction costs: materials, subcontractors, permits, fees, insurance	0	\$50,000- materials  \$20,000 regular vol. labor  \$5000 on-site manager	Churches, fundraising events, Upper Savannah Council of Governments, mortgage services	Cash, labor, admin services	Regular volunteers @ \$10/ hour at 2000 hours per house  SFI related vol hours	\$75,000
<b>Operating Costs- total annual</b>	0	0				\$198,553.13
Research Activities	0	0	0	0	0	0
Meetings	0	0	0	0	0	0
Travel	0					0
Education & Outreach	0	0	100	Tour of OSB	volunteers	\$250 for van
Communications	0	0	0	Writing, reporting	Volunteer time	0
<b>Total</b>	<b>5000</b>	<b>80,000</b>				

**Agreement to Public Communications**



Agreement to Public Communications.doc

I, Chad Charles, executive director, as a representative of Greenwood Area Habitat for Humanity and a Partner in "Habitat in Step with Sustainability", hereby give the Sustainable Forestry Initiative® (SFI), Inc. permission to use my name, the organization name as written above, and any other information about the Project in public communications regarding the Project.

I understand that public communications include, but are not limited to:

- Press releases and announcements regarding the SFI® Inc. Conservation and Community Partnerships Grant Program.
- Public presentations, fact sheets, briefing notes and other communication materials that highlight successful Projects and the SFI Inc. Conservation and Community Partnerships Grant Program.
- Use of the Organization logo on the SFI Inc. website, on news releases or other materials.
- Other materials as appropriate.

SFI Inc. will not attribute quotes or opinions to my organization without permission.

With my signature below, I attest that, to the best of my knowledge, the information provided in this application is true and accurate, and I am authorized by Greenwood Area Habitat for Humanity to sign this agreement.

Signed:

\_\_\_\_\_

Name  
Director

Greenwood Area Habitat for Humanity  
Organization

February 20, 2014  
Date



A hearty THANK YOU! from the Greenwood Habitat volunteers standing with our new trailer.

## Grant Application Template

### Application Requirements

- Proposals must follow this application format.
- Applications cannot be longer than 5 pages (Project Partner signed agreements and Lead Organization proof of non-profit status do not count towards the 5 page maximum).
- **You may delete all text preceding this section and any text in italics throughout the application.**

All applications must address the following items:

### Organization Information

The Lead Organization in the Project must be a non-profit organization (eg. registered 501c (3), or Canadian equivalent). Please note: SFI Implementation Committees, colleges, universities and schools qualify as non-profit organizations. Applicants must submit proof of tax-exempt status with this application.

Lead Organization Name and Address	Tree Canada 470 Somerset Street W, Unit 1 Ottawa, ON K1R 5J8
Name, phone and email for Project Director	Debra Beattie 613-567-5545 ext. 228 dbeattie@treecanada.ca
Lead Organizational Mission Statement (25 words or less)	Tree Canada delivers programs in partnership with companies, communities and individual Canadians, to maintain a healthy environment through sustaining urban and rural forests.
Lead Organization Annual Operating Budget	\$4,157,800
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Jim Schedler VP, Majesta Irving Tissue Corporation <a href="mailto:schedler.jim@irvingtissue.ca">schedler.jim@irvingtissue.ca</a> 506-858-7411  Andrew Kenny Retired Professor University of Toronto <a href="mailto:a.kenney@utoronto.ca">a.kenney@utoronto.ca</a> 613-267-3653

### Project Overview

The Project must relate to or support one or more elements of the SFI 2010-2014 Standard. You can download a copy of the Standard and supporting documents from the SFI website here: <http://www.sfiprogram.org/sfi-standard/sfi-standards/> Community-based projects should focus on Objective 6 (Special Sites), Objective 17 (Community Involvement in the Practice of Sustainable Forestry) and Objective 18 (Public Land Management Responsibilities), but are not limited to these specific SFI 2010-2014 Standard objectives.

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Canada's Arboreal	8 months	\$5,000	\$7,500	The development, printing and distribution of a	Education on the environmental

Emblems: Official trees and their wood				pocket size booklet describing Canada's provincial trees, their specific identifying characteristics and the various uses of the wood. This educational booklet will prove complimentary to Tree Canada programs. The distribution of this booklet will be among Tree Canada supporters, sponsors and grant recipients	biodiversity of Canada's trees as well as their importance as Canada's arboreal emblems. This also includes specific characteristics which identifies uses of wood both in construction and pulp and paper
----------------------------------------------	--	--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

*\* Matching funds and in-kind contributions should be reflected again in the budget outline below, indicating the source for each amount and Project Partner*

Project Partners

*\*For each Project Partner, please complete the following table. This application must include a signed copy of the Agreement to Public Communications for each listed partner, as well as the Lead Organization. A copy of this agreement may be found at the end of this document.*

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)

Project Details

*Please provide answers to the following questions to describe your project.*

- 1. Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program. Tree Canada focuses on engaging companies, communities, schools and individuals of the importance of trees in our lives. The information provided in this booklet will help raise awareness about Canadian forests and the use of wood. Tree Canada would like to recognize SFI's support of this project and its commitment to educating Tree Canada's stakeholders about the importance of this natural resource.*
- 2. What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project? Tree Canada would like to share this information booklet with sponsoring companies such as Irving, Majesta, TELUS, TD; with school students and supporters of Tree Canada. SFI would be recognized as a partner in helping to bring this booklet to fruition.*
- 3. In the table below, please list the goals for your project. For each goal, please describe: the actions you will take to achieve your goal; the corresponding tangible outcomes (e.g. provide implementation guidance on a component of the SFI Standard, landowners reached through education programs, acres positively affected by the Project); the means by which you will measure success in achieving each goal, and; the portion of the requested grant funds that would be used to achieve the goal. Add rows as needed to address all project goals.*

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds

Raise awareness and educate Tree Canada stakeholders of the value of trees in their lives	In conjunction with company sponsored program such as Greening Canada's School Grounds, booklets will be distributed for the purpose of education and keepsake	Offers stakeholders an educational resource to refer to, keep and share. Inform stakeholders SFI's commitment to sharing knowledge and educating Canadians about the importance of our trees to our environment and to our economy	Appreciation of the benefits of Tree Canada Programs and the generation of interest in SFI role, programs, offerings and certification	\$5,000	

**Project Timeline**

Please provide a timeline for completion of the project. Projects must be completed within 2014. The timeline should reflect when you will deliver upon the goals and outcomes as outlined above.

April 2014                      Development of booklet  
 May – June 2014            Printing  
 July – December 2014    Distribution of the booklet at Environmental events and through Tree Canada programs

**Project Budget**

Please fill out the table below to illustrate the entire Project budget. SFI Inc. will not award any funds for organization overhead costs, which include but are not limited to, office rent or maintenance, utilities, temporary hires, etc. SFI funding should be used for direct project costs only. Salary and benefits may not be paid with SFI Community Project funds, but may account for matching or in-kind contributions.

You may modify this table to fit your needs, however please ensure your budget addresses the following components:

1. Total Operating costs divided up by relevant category such as travel, meetings, communications, education & outreach etc.
2. Identify any in-kind support allocated to this Project by each project partner
3. Identify any matching funds allocated to this Project by each project partner

Expenditure	SFI Grant Funds	Total Matching Funds	Source of Matching Funds	In-Kind Contributions	Source of In-kind Contributions	Total per expenditure category
<b>Operating Costs</b>	\$3,000.00					\$3,000.00
Research Activities	\$1,687.50					\$1,687.50
Meetings	\$562.50					\$562.50
Travel						
Education & Outreach	\$1,125.00					\$1,125.00
Communications	\$1,125.00					\$1,125.00
<b>Total</b>	<b>\$7,500.00</b>					<b>\$7,500.00</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

**SFI Inc. Conservation & Community Partnerships Grant Program  
Guidance and Grant Application for Requests for  
Community-based projects \$5,000.00 or Less**

Organization Information

Lead Organization Name and Address	Center for Native Peoples and the Environment, SUNY ESF 354 Illick Hall, 1 Forestry Drive Syracuse, NY 13210 315-470-6870
Name, phone and email for Project Director	Dr. Robin Kimmerer 315 - 470-6785/ 470-6760 rkimmer@esf.edu
Lead Organizational Mission Statement (25 words or less)	The mission of the Center for Native Peoples and the Environment is to create programs that draw on the wisdom of Indigenous and scientific knowledge in support of our shared goals of environmental sustainability.
Lead Organization Annual Operating Budget	SUNY ESF Center for Native Peoples and the Environment
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Neil Patterson, Director. Tuscarora Environment Program. 5226e Walmore Road, Lewiston, NY 14092. 716-264-6011. <a href="mailto:npatterson@hetf.org">npatterson@hetf.org</a>  John Daigle Associate Professor of Forest Recreation Management 221 Nutting Hall Orono, ME 04469-5755 (207) 581-2850; fax (207) 581-2875 email: <a href="mailto:jdaigle@maine.edu">jdaigle@maine.edu</a>

Project Overview

Project Title	Total Length of time for completion of project	Amount Requested from SFI	Total Project Budget	Brief Project Summary	What element(s) of the SFI 2010-2014 Program are addressed by your Project?
<b>Exploring Forest Sustainability with Indigenous Youth</b>	July, 2014 – December 2014 (6)	\$5000	\$12,169	We will develop and implement an educational program that focuses on the sustainability of ecologically and culturally significant tree species that we will incorporate into the Native Earth Environmental Youth Camp (NEEYC). NEEYC is a camp devoted to	Objectives 6, 17, and 18

				sustainable science and traditional ecological knowledge that we run in partnership with the Haudenosaunee Environmental Task Force.	
--	--	--	--	--------------------------------------------------------------------------------------------------------------------------------------	--

Project Partners

Confirmed Project Partners	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individuals' and Organizations' Qualifications and Experience
Haudenosaunee Environmental Task Force	David Arquette, HETF Director	Haudenosaunee Environmental Task Force VIA: PO Box 992 Hogansburg, NY 13655 P: (518) 358-4286 F: (315) 842-4515	HETF partners with SUNY ESF to design and implement NEEYC. NEEYC meets one of HETFs primary objectives, which is to support regeneration of Indigenous Environmental Knowledge through education. NEEYC fulfills SUNY ESFs objective of increasing Native American participation in careers in environmental sciences and sustainable forestry, by fostering a symbiosis between Indigenous and scientific knowledge in support of sustainability.

Project Details

1. *Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program.*

The Center for Native Peoples and the Environment at the SUNY College of Environmental Science and Forestry proposes a project that will strengthen education for Indigenous Youth in sustainable forest management education. For five years, CNPE has been running Native Earth Environmental Youth Camp (NEEYC), a summer camp for Indigenous youth from Native American communities in New York and Maine, in partnership with the Haudenosaunee Environmental Task Force (HETF). The Haudenosaunee Environmental Task Force is the environmental organization of the Haudenosaunee (Iroquois) traditional government that is devoted to environmental protection, restoration, and education in Haudenosaunee communities. The camp is dedicated to providing holistic education in land-based traditional and cultural knowledge while also introducing the students to the methods of field ecology and sustainable forest management. Over the last five years, NEEYC has reached over one hundred students from nine Indigenous Nations from Maine to Wisconsin, with a focus on the Mohawk, Oneida, Onondaga, Cayuga, Seneca and Tuscarora nations. The aims of NEEYC are to support Haudenosaunee communities in their ongoing efforts to restore Indigenous environmental management; to encourage Native secondary school students to pursue higher education in STEM fields; and to introduce Native American students to the compatibility of Indigenous environmental knowledge and scientific methods in careers in the environmental sciences, among them sustainable forest

management. The overall goal is to build capacity, through science and traditional knowledge education, for Native American communities and peoples, to strengthen their abilities to implement culturally appropriate, localized, and naturalized knowledge in environmental management, within their communities and beyond. NEEYC is held at two outstanding venues of culturally significant and public lands that are ideal for field based education. The first week, where the Black Ash day program will be held (described below) is at the Thomson Island Youth and Elders' Camp in the Mohawk Nation of Akwesasne on the Saint Lawrence River. The second week, where the forest sustainability day program will be held is at the SUNY ESF Cranberry Lake Biological station in the Adirondacks. The camp's program in these two locations fulfills Objectives 6, 17, and 18 of the SFI program, in that the camp strengthens the mutual involvement of Indigenous communities and ESF students and faculty in sustainable forest education on both public lands (the Adirondacks), and culturally-important "special sites," or sacred homelands of students and staff of the camp (the Mohawk Nation of Akwesasne and Haudenosaunee homelands across New York State). SFI support of this project would connect the Haudenosaunee with networks of sustainable forest managers across the state, which provides opportunities for knowledge exchange, and contribute to the alignment of values and practices of sustainable forest management in New York State. The Haudenosaunee can also contribute an eastern Indigenous perspective to SFI's programs with First Nations, providing further opportunity for knowledge exchange among participants with other Indigenous SFI collaborators.

2. *What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project?*

The program of NEEYC is organized around the unifying theme of the Haudenosaunee Thanksgiving Address, an ancient and sacred address that acknowledges and describes the ecological relationships between all life forms in the natural world and the spirit world. Each day is devoted to various elements of the address, such as fish, medicinal plants, water, and life forms. Tree species are among the categories of living things described in the address, and we would like to apply the SFI, Inc. Conservation & Community Partnerships Grant Program to two specific full-day projects at the camp where we will focus on trees species. One day will take place at the Thomson Island Youth and Elders' camp, with a focus on the **cultural services** of trees, and in particular, of Black Ash (*Fraxinus nigra*). The other day will take place at Cranberry Lake Biological Station and focus on the **ecosystem services** of trees, with Sugar Maple (*Acer saccharum*) as an example. During the first day of forest knowledge, we will focus on the cultural services of trees. We will ask Haudenosaunee environmental practitioners to visit to teach the youth about Black Ash tree ecology, and the challenges black ash populations face through the invasive species Emerald Ash Borer. Black Ash is a cultural keystone species of Indigenous peoples throughout the region, including the Wabanaki and the Haudenosaunee, in that it is used to make black ash splint baskets of all types, but especially those that are used for cleaning heirloom flint corn for traditional foods, and for ceremonial purposes. After the campers learn about the science of Black ash and how to identify and protect it from the emerald ash borer, expert basket weavers will teach the youth how to pound splints from the logs, and how to weave baskets. It will be a complete experiential lesson in the ecological and cultural significance, and sustainable management of this very important tree. During the second day of forest knowledge, we will focus on the ecosystem services of tree species at the SUNY ESF Cranberry Lake Biological Station. Scientists and foresters from SUNY ESF will teach the students about the concept of sustainable forestry through lessons on the ecosystem services provided by forests and how management affects those services. The first half of the day, we will take advantage of the magnificent trails at the Biological Station, and learn about Northern hardwood species in the forest. Among those will be the Sugar maple, another cultural keystone species of the Haudenosaunee that is used for syrup-making and ceremonial purposes. Students may learn about Sugar maple ecology and changes in Sugar maple populations due to climate change, the Asian Longhorn beetle, and pollution. Teaching the ecosystem services and traditional knowledge of the Sugar Maple to Haudenosaunee youth is essential to the continuation of their tradition of tapping and syrup-making, and can contribute to the continuation and sustainability of the community-based, cooperative Akwesasne Sugar Maple Project. During the second half of the ecosystem services day, students will travel to the SUNY Ranger School, which is located across the lake and just down the road from the landing dock to the SUNY Biological Station. We will ask staff at the Ranger School to

introduce the students to the technical elements of sustainable forestry in the Adirondacks, and provide them with information about careers in forestry. Our aims for these two days are to inculcate traditional and scientific knowledge about trees in the youth. We also aim to create a meaningful and memorable educational experience that will inspire awareness that students will bring back to their communities about how their cultural heritage is entwined with the health and the seasonal cycles of these regionally-specific tree species. We hope to ignite in the students motivation to pursue careers in sustainable science, and to provide necessary background to learn more about how they can participate in the environmental stewardship of their communities.

3. *In the table below, please list the goals for your project.*

Project Goals	Actions	Tangible Outcomes	Measures of Success	Grant Funds	In-Kind or Matching Funds
To educate Indigenous youth from Indigenous Nations across the Northeast Region about the ecology, cultural significance, and threats to populations of cultural keystone tree species	Creation and implementation of educational field-based curriculum; exchange of knowledge between 30 students, staff, visiting experts, and cultural educators of Indigenous and non-Indigenous backgrounds.	Development of curriculum on cultural and ecosystem services of Photo essays; two full days of field-based experiential education on sustainable forestry, tree ecology, and stewardship through cultural and scientific knowledge and skills.	Evaluations of program by students, staff, and partners	\$5000	\$7169
To promote stewardship of those species in the students' home communities and beyond	*	*	*	*	*
To nurture through experiential learning sustainable standards for forest stewardship	*	*	*	*	*
To create capacity to implement Haudenosaunee environmental vision and standards in forest stewardship through their work in their communities and on public lands	*	*	*	*	*

To encourage Indigenous youth to pursue careers in sustainable environmental science and forestry	*	*	*	*	*
---------------------------------------------------------------------------------------------------	---	---	---	---	---

\* This project is integrated and whole so all the actions and tangible outcomes match the project goals. Since the project goals are pedagogical in nature, the only measures of success are the program evaluations, returning students, and reports that the students continue on to college.

### Project Timeline

Education Staff HETF July 1<sup>st</sup> – 7<sup>th</sup>: Preparation

August 7<sup>th</sup> – 20<sup>th</sup>: The duration of the entire camp, including travel, set-up, clean-up, and the camp itself

August 21<sup>st</sup> – 31<sup>st</sup>: Post-camp processing of materials and evaluations

By December 30<sup>th</sup>: Submit report to SFI

### Project Budget

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
<b>Operating Costs</b>				
Subsistence and Facilities Use	Thomson Island: \$55/day x20 students Cranberry Lake: \$100/day x 20 students			Cranberry Lake: \$2000  Thomson Island: \$1100
Materials	\$750			\$750
Honoraria	\$1150			\$1150
Education: Staff, HETF		David Arquette and Noah Point \$1000; Bob Stevenson and Waylon Cook \$1500	Haudenosaunee Environmental Task Force; Mohawk Council of Akwesasne Environment Department / Thomson Island	\$2500
Education: Staff, SUNY ESF		Robin Kimmerer, Director CNPE \$2573 (4 days); Jessica Dolan, Assistant Director \$2096 (7 days)	SUNY College of Environmental Science and Forestry	\$4669
<b>Total</b>	<b>\$5000</b>	<b>\$7169</b>		<b>\$12,169</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

### Agreement to Public Communications

*As part of the Grant Application, the Lead Organization must complete and sign this page.*

## Grant Application Template

### Organization Information

Lead Organization Name and Address	Manitoba Forestry Association 900 Corydon Avenue Winnipeg, Mb. R3M 0Y4
Name, phone and email for Project Director	Patricia Pohrebniuk 204.453.3182 <a href="mailto:ppohrebniuk@thinktrees.org">ppohrebniuk@thinktrees.org</a>
Lead Organizational Mission Statement (25 words or less)	The Manitoba Forestry Association <a href="http://www.thinktrees.org">www.thinktrees.org</a> mission is to inform and educate all Manitobans about wise management of trees and forests, to ensure they will remain... for future generations.
Lead Organization Annual Operating Budget	Approximately \$450,000.00
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	<p>John Pineau Canadian Institute of Forestry / Institut forestier du Canada P.O. Box 99, 6905 Hwy. 17 West Mattawa, ON. POH 1V0 CANADA Phone: (705) 744-1715 x 585 Fax: (705) 744-1716 <a href="mailto:jpineau@cif-ifc.org">jpineau@cif-ifc.org</a> (In-kind Educational resources \ Envirothon national partner (in-kind local chapter labour))</p> <hr/> <p>John Dojack Director Forestry Branch Manitoba Conservation and Water Stewardship <a href="mailto:John.Dojack@gov.mb.ca">John.Dojack@gov.mb.ca</a> 204.945.7998 (assisted migration study, forestry education grants, crown and private land forest management)</p>

### Project Overview

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Manitoba Forestry Association - <b>Sandilands</b>	12 months	5,000	10,000	After recent damaging forest disturbance events at the SDFC all three of our interpretive	Elements addressed: <b>Obj.5:</b> Trail will discuss and visually show

<b>Forest Discovery Centre (SFDC)</b> Education Trail Repair and Updating				educational trails require 1) re-establishment (most severely damaged trail area was salvage logged), 2) repairs to boardwalks and 3) the development of new Sustainable forestry management educational interpretive materials for students and the public users of the SFDC.	forestry operations and resulting recreation compatibility. <b>Obj.6:</b> SFDC has been in operation for 55+ years and has educated over 250,000 students to date. Site home to rare orchid species – Bloodroot <b>Obj. 7:</b> Trail show salvage operation which provided multiple end products. <b>Obj. 16:</b> project is primarily education focused Also <b>Obj's. 15, 17, 18, 19</b> in some part
------------------------------------------------------------------------------	--	--	--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
LumberOne (Building Products Ltd.)	Greg Nichols	General Manager South Shore Road Falcon Lake, MB. ROE ONO Phone: (204) 349-2294 <a href="mailto:greg@lumberone.ca">greg@lumberone.ca</a> Fax: (204) 349-8370	Lumber One is a member of the larger Buying Groups, namely Federated Co-op Buying Group, Sexton Buying Group and National Alliance. Lumber One is a full-service, year-round lumber yard open seven days a week, serving Manitoba and Northwestern Ontario. We are located 10 miles West of the Ontario/Manitoba border, proudly been serving contractors and do-it-yourselfers for over 10 years, specializing in: <ul style="list-style-type: none"> <li>· Lumber and Plywood, including spruce lumber, green treated lumber, brown treated lumber, cedar, pine, plywood, rough/SFS lumber, fir, interior T&amp;G pine</li> <li>· Cement Products</li> <li>· Builders Hardware</li> <li>· Metal Roofing and Shingles</li> <li>· Power, hand and Air tools</li> <li>· Electrical and Plumbing</li> <li>· Rough lumber cut to your specifications</li> <li>· Trusses and I-Joists</li> </ul> <p>LumberOne has donated construction materials to the MFA in</p>

			the past.
--	--	--	-----------

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
Pineland Forest Nursery	Trevor Stanley	<a href="mailto:Trevor.stanley@gov.mb.ca">Trevor.stanley@gov.mb.ca</a> Box 45, Hadashville, MB, R0E 0X0 Phone: (204)426-5235 Fax: (204)426-2106 <a href="http://www.pinelandforestnursery.com">www.pinelandforestnursery.com</a>	Pineland Forest Nursery (since 1953) located in Hadashville, Manitoba (next to the MFA Sandilands Forest Discovery Centre) provides seedlings and seed processing services for reforestation. Pineland grown seedlings have been planted in all regions of Manitoba, and across Alberta, Saskatchewan, Northwest and North-central Ontario, Minnesota, and Michigan. Latitude Range 46 <sup>o</sup> - 59 <sup>o</sup> . Pineland features a hard-working, experienced, and dedicated staff .  Pineland has partnered with MFA to utilize salvage material from the Centre in its COGEN system and provides operational support and security for the Centre.

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
Agassiz Chainsaw Sculptors & Timberman	Russ Kubara Walter Keller	Russ Kubara <a href="mailto:jkubara@shaw.ca">jkubara@shaw.ca</a>  and  Walter (Timberman) Keller Box 74, Elma MB, R0E 0Z0	Training Courses put on by Walter and Russ introduce participants to chainsaw sculpting. First partnered in 2011 with Walter during Art In The Forest in 2011. In 2013 introduced eight new carvers to our area and the Centre, including participants from Saskatchewan, Ontario and Minnesota. We can now call ourselves an "International chainsaw carving camp!" Additional workshops have resulted in gift in kind carvings along the Sagimay Trail. More are planned for the future. Members to provide in-kind labour.

Project Details

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
1) Repair Sagimay (Mosquito) Trail Boardwalk and interpretive guide	<ul style="list-style-type: none"> <li>a) In-kind labour to replace pressure treated wooden boardwalks in low lying sections damaged by fallen trees.</li> <li>b) Re-interpret and update as needed the trail stops</li> <li>c) Replace interpretive stop markers and</li> <li>d) Redevelop trail guide brochure.</li> </ul>	<ul style="list-style-type: none"> <li>• Trail will be safer for public, students use</li> <li>• Updated interpretive and educational material incorporating sustainable resource management concepts and principles.</li> <li>• Project to utilize Certified forest products and partner labour.</li> </ul>	<ul style="list-style-type: none"> <li>• Widely circulated Trail Guide and Interpretive material, positive feedback from users.</li> <li>• Available through MFA and partner social media.</li> <li>• Sagimay Trail is also home to a number of recent chainsaw tree sculptures which will get more visitors and interest for that partners' programs</li> </ul>	\$1000	<p>Lumber One \$500 materials</p> <p>Agassiz \$500 labour</p>
2) Re-establish Pine Ridge Trail  (? new name; <i>SFI \ Envirothon Trail?</i> )	<ul style="list-style-type: none"> <li>a) Research and re-interpret new trail</li> <li>b) Reestablish trail course</li> <li>c) Test new trail with SFI partner workshop</li> <li>d) Finalize trail, replace interpretive stop markers and trail guide,</li> <li>e) Redevelop trail guide brochure.</li> </ul>	<ul style="list-style-type: none"> <li>• Pine Ridge Trail (theme: Sustainable Resource Management, Envirothon and FireSmart concepts).</li> <li>• New Interpretive Trail brochure (prepared by MFA-hired contractor) to include CIF and SFI Educational and content input.</li> <li>• Trail users will also get opportunity to view and learn more about the Centre's Manitoba Conservation and Water Stewardship FireSmart demonstration area.</li> <li>• The Pine Ridge Trail previously primarily supported the Manitoba Biology</li> </ul>	<ul style="list-style-type: none"> <li>• Envirothon (high school aged) teams will utilize the multi-topic training and learning opportunities along the trail.</li> <li>• The public and younger students will be exposed to current SFI educational material and concepts, and get an appreciation about forest recovery and development after time.</li> <li>• Trail will view and (if requested) survey or re-measure a silvicultural treatment demonstration area and trial established as the site is renewed post-salvage.</li> <li>• Possible future participation and collaboration with University and</li> </ul>	\$4,000	<p>MFA \$2,000</p> <p>In-kind labour \$2,000</p>

		40S high school curriculum combined with the Envirothon experiential hands-on equipment and training components, i.e. clinometers, increment borers, dichotomous Identification keys and Field Guides.	Nursery (climate change, seedling production and assisted natural migration) researchers.		
--	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------	--	--

Project Timeline

**Project Commences: June 1, 2014**

1) *Sagimay Trail:*

- replace boardwalks, complete - July 1
- contractor develops interpretive trail guide, complete - August 15
- replace trail stop signage complete – October 1
- new trail guide printed, disseminated, posted, etc. complete– November 1
- project complete – December 1

2) *Pine Ridge Trail:*

- MFA \partners\contractor develop interpretive trail concepts, tentative route complete - August 1
- **Test new trail with SFI partner workshop - tent. August 15**
- new Pine Ridge route finalized, stops established complete - September 1
- replace trail stop signage complete - October 1
- new trail guide printed, disseminated, posted, etc. complete - November 1
- project complete - December 1

**Project Completed: December 1, 2014**

Project Budget

Expenditure	SFI Grant Funds	Total Matching Funds	Source of Matching Funds	In-Kind Contributions	Source of In-kind Contributions	Total per expenditure category
<b>Operating Costs</b>						
Research Activities	\$1,000					\$1,000
Meetings	\$500					\$500
Travel		\$500	MFA			\$500
Education & Outreach	\$3,000	\$1,500	MFA	\$2,000	MFA	\$4,500
		\$500	LumberOne	\$500	Agassiz	\$500
Communications	\$500					\$500
<b>Total</b>	<b>\$5,000</b>	<b>\$2,500</b>		<b>\$2,500</b>		<b>\$10,000</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

February 21, 2014

Sustainable Forestry Initiative, Inc.  
900 17th St. NW, Ste. 1700  
Washington, DC 20006  
Attention: Amy Doty  
Manager, Community Outreach

Dear Ms. Doty:

On behalf of The Greening of Detroit's Board of Commissioners, please accept our request for support of \$10,000 for The Greening's Citizen Forester program. We further appreciate the opportunity to further explore our partnership with Sustainable Forestry Initiative.

The Greening has a 25-year track record of success and demand for its services has continued to grow, even as the region's economy fluctuates. As the city moves forward, the organization has recognized the potential of its own citizenry to positively impact local environmental issues including stormwater runoff that directly affects the quality of our rivers and the Great Lakes, naturally addressing toxic soil generated by decades of industrial manufacturing and improving our air quality to reduce the highest youth asthma rate in the state.

In 2011, the Citizen Forester program was created to supplement the rising needs of the organization's forestry efforts to address these very real issues. To date, 204 Citizen Foresters have provided 4,979 hours in sweat equity to oversee the planting of 13,388 trees which is vital to the long-term success of our work. An additional 65 youth ages 18 and under have participated as Citizen Forester Apprentices during that time as well. The Greening plants 4,000 – 6,000 trees annually with the assistance of volunteers who are managed by Citizen Foresters. In 2013, the Citizen Forester program helped oversee 3,437 volunteers who contributed 13,748 hours to plant 3,263 trees. The Citizen Forester program is instrumental in ensuring trees are planted correctly, so that our trees may provide benefits for decades to come.

While Citizen Foresters provide an important service to residents, they are prepared in advance of each planting season with the enhanced skills and competencies that allow them to identify and plant environmentally impactful trees species in an urban setting, maintain and promote the health of trees that are planted, engage with communities, effectively manage volunteers, and advocate for environmental initiatives and trees in the City of Detroit.

Additionally, the MI SFI IC has agreed to donate the children book *Why Would Anyone Cut a Tree Down*. <http://www.na.fs.fed.us/whycutatree/index.shtm> 1000 of these books will be utilized. The books will be distributed through our environmental education program to Detroit educators and students.

Thank you once again for considering supporting The Greening of Detroit. Should you have any questions please feel free to call me at (313)285-1246 or email me at [monica@greeningofdetroit.com](mailto:monica@greeningofdetroit.com)

Sincerely,  
Monica Tabares, Community Relations Director

## Grant Application Template

Lead Organization Name and Address	Greening of Detroit, 1418 Michigan Ave, Detroit, MI
Name, phone and email for Project Director	Monica Tabares, Community Relations Director, <a href="mailto:monica@greeningofdetroit.com">monica@greeningofdetroit.com</a> 313 285-1246
Lead Organizational Mission Statement (25 words or less)	Inspiring sustainable growth of a healthy urban community through trees, green spaces, food, education, training and job opportunities.
Lead Organization Annual Operating Budget	\$4.6 million
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Dean Hay, Green Infrastructure Director (313)285-1251 and Kristin Martinez, Education Manager (313)285-2234

### Project Overview

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Citizen Forester	1 Year	\$5000	\$51,360	SFI support of \$10,000 (\$5000 grant, \$5000 MI SFI IC) will provide support for The Greening of Detroit's 2014 Citizen Forester Program with the goal of: Recruit and train a total of 50 new volunteer Citizen Foresters prior to the spring and fall 2014 planting season.	Objective 17: Community involvement in the practice of Sustainable Forestry.  SFI promotion and brand recognition consistent with MI SFI IC marketing effort.  Public outreach and education opportunities with over 50 volunteers. Our goal is to raise awareness of the SFI program and that of SFI-labeled products.

\* Matching funds and in-kind contributions should be reflected again in the budget outline below, indicating the source for each amount and Project Partner

### Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
MI SFI IC	Howard Lindberg, Chair	<a href="mailto:Howard.lindberg@plumcreek.com">Howard.lindberg@plumcreek.com</a> 906 524-2040 x13 15800 Mead Rd., L'Anse, MI 49946	MI SFI IC Chair 2012-present MI SFI IC member 2006-present

Project Details

*Please provide answers to the following questions to describe your project.*

*Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program. 50 Citizen Foresters will be trained and receive certificates while learning of the SFI program and SFI-labeled products. In addition, The Greening's efforts and Citizen Forester program fit within the SFI program benefits by strengthening sustainable urban forest, natural environments, improve the sustainability of communities and address climate change. The organization takes a holistic approach to urban forestry, not only to restore the tree canopy devastated during decades of trees lost to Dutch Elm Disease and later Emerald Ash Borer through its tree plantings, but in a strategic, comprehensive manner to provide additional benefits to residents.*

- 1. What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project? Tee shirts, banners, annual report, facebook, twitter, press release, all will utilize SFI logo. MI SFI IC representative will present SFI overview at Citizen Forester training on March 15, while promoting SFI-labeled product line. SFI will provide a demonstration tree planting at the March 15 training, which will include a tree guard with the SFI logo.*
- 2. In the table below, please list the goals for your project. For each goal, please describe: the actions you will take to achieve your goal; the corresponding tangible outcomes (e.g. provide implementation guidance on a component of the SFI Standard, landowners reached through education programs, acres positively affected by the Project); the means by which you will measure success in achieving each goal, and; the portion of the requested grant funds that would be used to achieve the goal. Add rows as needed to address all project goals.*

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Goal 1) Augment The Greening of Detroit's staff during tree plantings to oversee quality planting of 4,000 trees.	Objective: Recruit and train a total of 50 new volunteer Citizen Foresters prior to the spring and fall 2014 planting season.	Activity 1: Recruit by: Contacting individuals who have volunteered with The Greening during two or more planting events; Seeking referrals by community partners who can complete at least 25% of each season's community plantings; Contacting local universities; Contacting environmental-related groups; Contacting all volunteers from the previous season via email with the Citizen Forester application as an	Number of new recruited and trained (50) Citizen Foresters  Completed Tree planting events for the 2014 Spring and Fall Season  Total number of Citizen Foresters to participate in program and anticipated based on need include (100-150 volunteers Citizen Foresters)	2,500	2,500

		attachment.  Activity 2: Hold one 8-hour orientation and field training session per season to train newly recruited Citizen Foresters.			
Goal 2) Enhance the leadership skills, community building skills and natural resources-based knowledge of those participating in the Citizen Forester program.	Objective: Provide at least eight enrichment classes per year for Citizen Foresters focusing on community building and natural resources based knowledge.  Activity 1: Hold six of the previously developed workshops at least once a year, include: <ul style="list-style-type: none"> <li>Volunteer management workshop</li> <li>Community engagement workshop</li> <li>Tree identification and field training workshops</li> <li>Maintenance and pruning and field training workshops</li> </ul> Activity 2: Develop and provide Citizen Foresters with a public speaking workshop and a water quality monitoring workshop.	Activity 1: Hold six of the previously developed workshops at least once a year, include: <ul style="list-style-type: none"> <li>Volunteer management workshop</li> <li>Community engagement workshop</li> <li>Tree identification and field training workshops</li> <li>Maintenance and pruning and field training workshops</li> </ul> Activity 2: Develop and provide Citizen Foresters with a public speaking workshop and a water quality monitoring workshop.		2,500	2,500

Expenditure	Total CF Budget	SFI Grant Funds	Total Matching Funds	Source of Matching Funds	In-Kind Contributions	Source of In-kind Contributions	Total per expenditure category
					25,000	TGOD Volunteers	25,000

						er Hours	
<b>Operating Costs</b>							
<b>Staff</b>	10,809						10,809
<b>Other Personnel</b>	29,959						29,959
Research Activities							
Meetings							
Travel							
Training Expenses	460						460
Project Expenses	8,132	3,000	5,000				8,132
Education & Outreach	1,000	1,000					1,000
Communications	1,000	1,000					1,000
<b>Total</b>	<b>51,360</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>MI SFI IC</b>			<b>\$51,360</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

Agreement to Public Communications

*As part of the Grant Application, the Lead Organization must complete and sign this page.*

*All identified organizations and partners involved in the Project must also agree to authorize SFI Inc. to publicize the Project and to use their names, images, logos and information about the Project in such publicity. All Organizations listed in the application will be required to sign an agreement to this effect and submit it with the application. If additional Organizations join the Project after an application is accepted by SFI Inc., they will also be required to sign the agreement. You can access an additional copy of this agreement for your Project Partners here:*



Agreement to Public  
Communications.doc

Lead Organization Name and Address	American Forest Foundation 2000 M Street, Suite 550 Washington, DC 20036
Name, phone and email for Project Director	Kathy McGlaufflin, Senior Vice President, Project Learning Tree Kmcglaufflin@forestfoundation.org 202-765-3545
Lead Organizational Mission Statement (25 words or less)	The American Forest Foundation works on-the-ground with families, teachers, and elected officials to promote stewardship and protect our nation's forest heritage.
Lead Organization Annual Operating Budget	10 million
Two references (Name, Organization, email and phone) who can speak to the potential of the Project (these should not be the same as your Project partners):	Ada Takacs- Project Learning Tree Coordinator, Michigan Michigan Dept of Natural Resources - Forest Resources Division 3730 Mill Road, Grawn MI 49637 voice: 231.534.5569 - fax: 231.263.7904 <a href="mailto:takacs@michigan.gov">takacs@michigan.gov</a>  Christine Crissman, Director of Conservation & Education Grand Traverse Conservation District 13272 S. West Bay Shore Drive, Traverse City, MI 49684 231-935-1514, ext. 1 ccrissman@gtbay.org

**Project Overview**

*The Project must relate to or support one or more elements of the SFI 2010-2014 Program. You can download a copy of the Standard and supporting documents on our [website](#).*

Confirmed Project Partners (list organization name only)*	Project Title	Amount Requested	Total Project Budget	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program does/do your Project address (Please cite the Standard Component(s))
American Forest Foundation	Conference Title, From Nature's Perspective	\$5,000	\$20,000	In partnership with Michigan Project Learning Tree, AFF will sponsor a conference to PLT Coordinators and educators order to provide meaningful arts and environmental education to	<ul style="list-style-type: none"> <li>Forestry field tours on SFI-certified forests for educators and/or K-12 school children, working in collaboration with established programs like Project Learning Tree or Canadian Institute of</li> </ul>

				Michigan students while creating a model that can be implemented nationwide by other PLT state program networks.	Forestry/Canada Forestry Association equivalent;
--	--	--	--	------------------------------------------------------------------------------------------------------------------	--------------------------------------------------

Project Partners

*\*For each Project Partner, please complete the following table. Each Project Partner must also include a signed copy of the Agreement to Public Communications, which can be found at the end of this document.*

Confirmed Project Partners (list organization name only)*	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual and Organizations Qualifications and Experience (150 words or less)
American Forest Foundation	Kathy McLaughlin, Senior Vice President, Project Learning Tree	Kathy McGlauflin, Senior Vice President, Project Learning Tree American Forest Foundation 2000 M Street, Suite 550 Washington, DC 20036 Kmcglauflin@forestfoundation.org 202-765-3545	Project Learning Tree (PLT) is the award-winning, environmental education program of the American Forest Foundation. PLT empowers educators and inspires youth by using the forest as a "window" on the world to increase students' understanding of our environment; stimulate students' critical and creative thinking; develop students' ability to make informed decisions on environmental issues; and instill in students the commitment to take responsible action on behalf of the environment. PLT achieves its mission through the development of high-quality environmental education curriculum materials, which are accompanied by a

			comprehensive delivery system that ensures effective implementation. PLT was one of the first environmental education programs in the United States to establish a professional development protocol as part of its methodology. Each year 30,000 educators attend PLT professional development workshops where they receive tools to integrate PLT's environmental education materials into classrooms across the country.

**Project Details**

*Please provide your answers to the following questions to describe your project. You may provide an introductory narrative to your project, but the following questions must be addressed in the requested format.*

1. *For conservation projects, please explain how your project will illustrate or inform the role of SFI in the requested topic.*
2. *What activities will you and your Project partners perform to promote the outcomes of your Project and SFI Involvement in the Project?*
3. *In the table below, please list the goals for your project. For each goal, please describe the actions you will take to achieve your goal, the corresponding tangible outcomes (e.g. implementation guidance on a component of the SFI Standard, outreach and education to landowners, acres positively affected by the Project) for each goal, how you will measure your success in achieving each goal, and the portion of the requested grant funds that would be used to achieve the goal. Add rows as-needed to address all project goals.*

**Introduction:**

Project Learning Tree will collaborate with the Grand Traverse Conservation District through their Grand Traverse Stewardship Initiative to provide vital environmental and arts education for local students and professional development for 150 environmental education leaders from across the U.S. and the world.

The future of the natural world relies on an educated public that is able to think critically about complex environmental issues. One of the most important factors in developing personal concern for the environment is experiencing the outdoors positively as a child (J.A. Palmer 1993). A 2006 Cornell University study, published in the *Children, Youth and Environments Journal* revealed the best way to cultivate an environmentally-conscious citizen is to allow ample opportunity for unstructured “nature play” before age 11.

Unfortunately, the notion of a childhood spent playing outside is no more and children’s everyday play has shifted indoors (Hart 1999, Moore 2004). Research shows a dramatic decline in the amount of time children spend outside. Sandra Hoffert and John Sandberg (2000) cite the following statistics: Between 1981 and 1997, the amount of time

American children ages six to eight spent playing outdoors decreased by four hours per week. As a result, children’s direct and spontaneous contact with nature is a vanishing experience of childhood (Rivkin 1990, Kellert 2002, Pyle 2002, Kuo 2003). This emphasis on indoor “play” has also been correlated with negative psychological and physical effects, including obesity, loneliness, depression, attention problems, and social isolation.

Children in schools today also have less access to arts education than previous generations. With the push from No Child Left Behind to focus on testing, arts and education are treated as if they’re not compatible. Combined with the recent financial crises most public schools face, cuts to music and art programs in public elementary schools have become a more frequent occurrence. Overall, reports have shown that the percentage of kids with access to music has declined 50% in the past five years (*Neives 1*). A 2008 survey showed that only 47% of students had access to visual arts education, and just 57% to music education ([Mehta, 2009](#)).

These cutbacks come in spite of the well known benefits to students of arts education, including:

- Strengthening problem-solving and critical-thinking skills, adding to overall academic achievement and school success.
- Developing a sense of craftsmanship, quality task performance, and goal-setting—skills needed to succeed in the classroom and beyond.
- Teaches children life skills such as developing an informed perception; articulating a vision; learning to solve problems and make decisions; building self-confidence and self-discipline; developing the ability to imagine what might be; and accepting responsibility to complete tasks from start to finish.
- Nurturing important values, including team-building skills; respecting alternative viewpoints; and appreciating and being aware of different cultures and traditions.

Source: Americans for the Arts, 2002

Project Learning Tree aims to address these issues at schools in Traverse City, MI in order to provide meaningful arts and environmental education to Michigan students while providing a model that can be piloted at schools throughout the country.

Project Goals	Activities	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Goal 1:	Increased knowledge among conference participants	<ul style="list-style-type: none"> <li>At least 85% of conference participants will report increased knowledge and skills regarding how to effectively embed arts education in to their work with Project Learning Tree programs and 50% will intend to do so.</li> </ul>	The conference provides an ideal opportunity to partner with the Conservation District and local schools to provide a lasting impact on the community. In addition, the Conference attendees will gain professional development experience and will become knowledgeable about a program that they could easily duplicate in their states.	\$2,500	\$2,500 (Pierce Foundation)
Goal 2:	Grant students from local schools the opportunity to broaden their horizons in arts education; Students will also be provided the opportunity to showcase their work to the community	<ul style="list-style-type: none"> <li>At least 75% of Cherryland Middle School's 6<sup>th</sup> Grade Students will develop an interest in observing nature in their local surroundings.</li> <li>Students from Elk Rapids High School will develop a solid business plan and build it into their curriculum. The plan will allow for on-line and community sales of nature artwork as a means for fundraising for their school for many years to come.</li> <li>At least 50% of students, community members, and</li> </ul>	<p>Cherryland Middle School and Elk Rapids High School faculty will embed evaluation of changes in student knowledge regarding the use of drawing and the continued development of their writing skills in the areas of nature journaling.</p> <p>Conservation District faculty will provide a reaction journal during the project as a way to collect feedback and evaluation information from visiting students and the public.</p>	\$2,500	\$2,500 (Pierce Foundation)

		<p>other members of the public visiting the Conservation District will view the drawings and read the journal pages that are on display and be given the opportunity to share their own reaction and feeling to the display in a reaction journal that will be kept in close proximity.</p>			
--	--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--

**Project Timeline**

*Please provide a timeline for completion of the project. Projects may be up to three years in length, and should be for 9 months at a minimum. The timeline should reflect when you will deliver upon the goals and outcomes as outlined above.*

**Timeline**

- Sept. 2013 – Feb. 2014: Elk Rapids High School students partner with SCORE to develop a solid business plan for creating and marketing products using original artwork from the partnering elementary school.
- Mid-March 2014: Cherryland Middle School 6<sup>th</sup> Grade Students receive classroom art and nature journaling instruction from Nick and Robbyn Frankenhuyzen.
- Late March 2014: Students turn in two final artwork and journaling pages each that will be considered by classmates. The classmates will help select the final artwork and journal pages for each student.
- April 2014: Selected artwork and journal pages will be displayed at the Grand Traverse Conservation District
- May 2014: Grand Traverse Stewardship Initiative teachers present end of year report on accomplishments, how they reached the community, etc. Artwork and nature pages are unveiled at the Conservation District during the PLT Conference Field Tour Visit. Student docents explain projects.
- June 2014: Artwork remains on exhibit at the Conservation District for the summer for visiting schools and the public to view and learn from.
- Annually: Participating High School and Middle School students continue to follow their business and artwork models annually.
- November 2014: Final report with evaluation submitted to Sustainable Forestry Initiative®

**Project Budget**

Please fill out the table below to illustrate the entire Project budget. SFI Inc. will not award any funds for organization overhead costs, which include but are not limited to, office rent or maintenance, utilities, temporary hires, etc. While some portion of the grant may be used to offset staff salary and benefits, the focus should be on on-the-ground activities.

You may modify this table to fit your needs, however please ensure your budget addresses the following components:

1. Percent of budget allocated to each staff person working on the Project
2. Total Operating costs divided up by relevant topics such as travel, meetings, communications, education & outreach etc.
3. Identify any in-kind support allocated to this Project by each project partner
4. Identify any matching funds allocated to this Project by each project partner

Item	Funds Requested	Cost Share	Source of Cost Share	Total Cost
Staff Salary and Benefits (28%)	\$0	\$6,500	GT Stewardship Initiative	\$6,500
Travel to Conservation District and Sleeping Bear Dunes	\$0	\$4,500	Michigan Project Wild	\$4,500
Materials and supplies for classroom, conference session, mural, and nature journaling	\$5,000	\$2,500	Pierce Foundation	\$7,500
Artist and Nature Journalist Fee, travel and lodging (2 trips)	\$0	\$1,000	Pierce Foundation	\$1,000
Initial product production	\$0	\$500	Pierce Foundation	\$500
<b>TOTAL</b>	<b>\$5,000</b>	<b>\$15,000</b>		<b>\$20,000</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

## Grant Application

### Organization Information

Lead Organization Name and Address	Empire State Forestry Foundation, 47 Van Alstyne Drive Renesselaer, NY 12144
Name, phone and email for Project Director	Eric Carlson, 518-463-1297, ecarlson@esfpa.org
Lead Organizational Mission Statement (25 words or less)	Improve public understanding and appreciation of the production of forest products and the management of New York's forests by promoting research and education consistent with the practice of sustainable forestry.
Lead Organization Annual Operating Budget	\$225,000
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Erin O'Neill, Finch Forest Management, State Tree Farm Chair, ejoneill@finchpaper.com, 518-793-2541, 1 Glen St, Glens Falls, NY 12801 Sally Bogdanovitch, Paul Smith's College, pbogdan-sally@northnet.org, 518-327-3720, 512 Bay Pond Park, Paul Smiths NY 12970

### Project Overview

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Northeast Forestry Teachers Tour & PLT Conference	24 months	\$5,000	\$25,000	Host an intense week long Forestry Teacher Tour that includes PLT and SFI materials; and Host a poster/workshop for the National PLT Conference on SFI and its value	Objectives 1- 11, and 12, 16-18 will all be addressed through visits, lectures and exercise during the week.

### Project Partners

*\*For each Project Partner, please complete the following table. This application must include a signed copy of the Agreement to Public Communications for each listed partner, as well as the Lead Organization. A copy of this agreement may be found at the end of this document.*

Confirmed Project Partners	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
NY DEC	Thomas Shimalla	teshimal@gw.dec.state.ny.us, 518-402-8030, NY DEC, 625 Broadway, 4th Floor Albany, NY 12233-4500	Over 25 years helping with environmental educational programs, training, and operating informal education programs and training educators
Empire State Forestry	Eric Carlson	ecarlson@esfpa.org, 518-463-1297, 47	40 years of managing projects for

Foundation(Lead)		Van Alstyne , Rensselaer, NY 12144	outreach, conferences, and advocacy
SFI SIC	Wayne Tripp	wtripp@fwforestry.com (518)321-7915, F&W Forestry, 10 Pine St., Glens Falls, NY 12801	30 years of forestry field experiences, including managing SFI certified properties
Empire State Forest Products Association	Eric Carlson	ecarlson@esfpa.org,518-463-1297, 47 Van Alstyne , Rensselaer, NY 12144	40 years of managing projects for outreach, conferences, and advocacy

### Project Details

The Northeast Forestry Teachers Tour (NEFTT) is an intensive four-day program that, from start to finish, immerses educators in an environment that focuses on all aspects of forest management. 2014 will be the tenth NEFTT and one of the few still able to continue largely due to exceptional funding support from private companies and individuals and an annual "partner" that provides a larger support contribution. Over 250 teachers have attended this summer event and they indicate they will teach over 1,200 students in their career, meaning nearly 300,000 students will be touched in the future by this experience already. Beginning with an informal first night gathering with SFI trained loggers and forest managers through a first-hand visit to SFI certified forests; teachers will receive a comprehensive experience of SFI practices. The tour includes observing SFI sourced wood fiber processing through finish manufacturing enabling educators the opportunity to understand the diligence required for SFI certification.

Based on this and previous Teacher Forestry Tours, we will develop a kiosk poster highlighting best management practices for planning and conducting successful events. This tool will be presented to PLT Coordinators at the 2015 PLT International Coordinators' Conference. The 2015 PLT International Coordinators' Conference, held in Saratoga Springs, will provide PLT Coordinators an opportunity for professional development, networking and outdoor learning about New York forests and forest products. The opening night begins with a poster session highlighting outstanding programs throughout the PLT network. The Teacher Forestry Tour panel will be displayed and interpreted for everyone present. In addition, we will offer a workshop chronicling the tour and emphasizing successful strategies employed for conference participants.

We have an active PLT Steering Committee that includes higher education, state environmental education coordinators, foresters, industry, and K-12 teachers to provide oversight design and quality to the programs we sponsor. IN addition NY DEC has signed formal agreement with ESFF, and American Forest Foundation to help provide in-kind services, coordinate all publicity and communications and coordinating any financial support (attached). The NY PLT Steering Committee has stepped forward to propose sponsoring the International PLT Conference in 2015 as a way to build stronger momentum and support for their statewide efforts. Using the SFI grant to emphasis SFI principles, including coordinating with NY Audubon to provide participants about the SFI-Audubon project on the eastern flyway builds upon current SFI investments and outreach. We fully expect NY Audubon to be a participating partner in this effort. We have been using them in SFI workshops for loggers and forest owners and extending this to educators through this project provides stronger networks and potential outcomes.

In addition, NY DEC has SFI certification on all State Forests providing an exceptional platform for educating others the value of SFI principles to manage public forests. Our intent is to sue this grant to focus our efforts on SFI principles on public forests.

We will include articles in widely circulated industrial publications including: Northern Logger, Northern Woodlands, ENVOY, as well as educational publications, including the AFF Woodland Magazine and the NYS DEC Conservationist. These articles will include personal testimony from participants, including any chafing behavior encountered from their students during their classes.

The kiosk and workshop will help over 150 PLT Coordinators throughout the United States and international countries understand the elements of designing and conducting Teacher Forestry Tours.

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Bring 30 teachers from several state in the NE US to understand more about sustainable forestry	Host a 4 day intensive Teachers Tours in the upstate NY using SFI managed forests and manufacturers	30 Teachers will have the ability to articulate sustainable forestry elements for students and provide references for future study	# of Teachers whom follow up with using SFI and PLT materials in classrooms over the next 12 months	\$4,000	\$24,000
Help 150 PLT Coordinators design and conduct a Teacher Tour for their regions	Design workshops and kiosk poster for the Teacher Tour and PLT Conference	150 PLT Coordinators will attend PLT Conference	# of Teachers Whom use training materials to develop Teachers Tour in their region.	\$1,000	\$10,000

#### Project Timeline

Please provide a timeline for completion of the project. Projects must be completed within 2014. The timeline should reflect when you will deliver upon the goals and outcomes as outlined above.

Develop NE Teacher Forestry Tour - retain education consultant, secure lodging, and facilities transportation - March 2014

Finalize tour details, recruit teachers - May-July 2014

Conduct Teachers Tour - August 2014

Complete assessment from teachers including classroom achievements - Sept 2014 - May 2015

Design and construct kiosk for PLT Conference - January 2015

Conduct workshop and poster session at National PLT Conference - June 2015

#### Project Budget

Expenditure	SFI Grant Funds	Total Matching Funds	Source of Matching Funds	In-Kind Contributions	Source of In-kind Contributions	Total per expenditure category
<b>Operating Costs</b>						
Meetings		\$4,000	ESFF	\$4,000	AFF	\$8,000
Travel/meals, lodging		\$8,000	ESFF			\$8,000
Education & Outreach	\$1,000		ESFF	\$14,000	DEC staff, ESFF staff, SFI-SIC	\$15,000
Communications				\$1,000	ESFF	\$1,000
<b>Educational Contractor</b>	\$4,000	\$3,000	SFI-SIC		ESFF , SFI-SIC	\$7,000
<b>Total</b>	<b>\$5,000</b>	<b>\$15,000</b>		<b>\$19,000</b>		<b>\$39,000</b>

Empire State Forestry Foundation-	\$ 12,000 cash,	\$ 5,000 in-kind
SFI-SIC-	\$ 3,000 cash	\$
NY DEC	\$	\$10,000 in kind
ESFPA		\$ 4,000 in-kind
SFI, Inc	\$ 5,000 cash	

<b>Lead Organization Name and Address</b>	Northern California Society of American Foresters P.O. Box 1034 Murphys, CA 94527 501(c)(3) FEIN: 23-7389577
<b>Name, phone and email for Project Director</b>	Ryan DeSantis, 530-224-4900, <a href="mailto:rdesantis@ucanr.edu">rdesantis@ucanr.edu</a>
<b>Lead Organizational Mission Statement (25 words or less)</b>	The Society of American Foresters is the national scientific and educational organization representing the forestry profession in the United States.
<b>Lead Organization Annual Operating Budget</b>	\$256,900
<b>Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):</b>	1) Rod Federwisch Principal, Butterfield Ranch Elementary School Chino Hills, CA <a href="mailto:rod_federwisch@chino.k12.ca.us">rod_federwisch@chino.k12.ca.us</a> 909-591-0766 2) Charles Menoher Former Shasta County Superintendent of Schools Redding, CA <a href="mailto:cjmenoher@charter.net">cjmenoher@charter.net</a> 530-275-3053

### Project Overview

<b>Project Title</b>	<b>Total Length of time for completion of project (in months, from commencement to final reporting)</b>	<b>Amount Requested from SFI</b>	<b>Total Project Budget (including matching funds and in-kind contributions)*</b>	<b>Brief Project Summary (50 words or less)</b>	<b>What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))</b>
2014 Forestry Institute for Teachers fieldtrips	8 months	\$5,000	\$10,000	Each of the four sessions of Forestry Institute for Teachers (FIT; website: <a href="http://www.forestryinstitute.org">http://www.forestryinstitute.org</a> ) is an intensive six-day field workshop for K-12 <sup>th</sup> grade teachers. Each session includes hands-on fieldtrips to learn from resource professionals from all perspectives of forestry, including industrial, non-industrial, federal, state, and forest activist.	Our project addresses the SFI Standard "land management and fiber sourcing objectives". In particular, it is aligned with Objective 17, "Community Involvement in the Practice of Sustainable Forestry", Performance Measure 17.2, which includes "periodic educational opportunities promoting sustainable forestry, such as field tours, seminars,

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
					websites, webinars, or workshops; educational trips".

### Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
Project Learning Tree (Cosponsored by the American Forest Foundation, a 501(c)(3) charitable education foundation)	Sandra Derby	<a href="mailto:stderby@ucanr.edu">stderby@ucanr.edu</a> ; 530-394-7003 California Project Learning Tree State Coordinator UC Cooperative Extension 2801 Second Street Davis, CA 95618	Sandra Derby joined UCCE on April 15, 2013 as a new academic coordinator within the Youth, Families, and Communities Initiative. Acting as CA Project Learning Tree State Coordinator Sandra will be working to support the initiatives goals. PLT is an international, award-winning environmental education program created 35 years ago that is designed for teachers and other educators, parents, and community leaders working with youth from preschool through grade 12. Sandra holds a BA in environmental studies/biology from UC Santa Cruz and a MS in ecological teaching and learning from Lesley University in Cambridge, Mass. Sandra worked 10 years as a science resource teacher and has worked for the past 15 years in non-formal inquiry-based science education as the environmental education manager for Children's Discovery Museum of San Jose. She has focused her 20+ years of experience on creating innovative environmental education curricula and programs.
University of California Cooperative Extension (Administered by the	Michael De Lasaux	<a href="mailto:mjdelasaux@ucanr.edu">mjdelasaux@ucanr.edu</a> ; 530-283-6125; UCCE Plumas Sierra, 208	Michael De Lasaux is one of the founders of FIT and continues in a leadership capacity by

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
University of California, Davis, a registered 501 (c)(3) non-profit educational organization)		Fairground Road, Quincy, CA 95971	managing federal grants and coordinating the Plumas County FIT session. Mike is a Natural Resources Advisor for the University of California Cooperative Extension serving Plumas and Sierra Counties since 1992. He is a California Registered Professional Forester (#2321). In his role as an Extension Agent he has been active in education and applied research directed to forestland owners and managers and the public focused on environmental education, collaborative community forest fuel reduction and national forest management issues.
CA Department of Fish & Wildlife/Project WILD (Cosponsored by the Council for Environmental Education, a registered 501(c)(3) non-profit educational organization)	Heidi Buhl	<a href="mailto:heidi.buhl@wildlife.ca.gov">heidi.buhl@wildlife.ca.gov</a> ; 916-322-8974; 1807 13 <sup>th</sup> Street, Suite 104, Sacramento, CA 95811	The mission of California Department of Fish and Wildlife is to manage the fish and wildlife and habitat resources. The Department's use of educational programs provides the public with tools for participation with the Department in the preservation and conservation of the state's wild resources. Project WILD materials, designed for grades K-12, allow teachers to easily adapt learning requirements to meet academic disciplines. WILD materials both support state academic standards and adhere to strict efforts for balanced and objective education. It represents the work of natural resource management and educational professionals. Certified educators train and provide teachers with the WILD materials. Heidi, a biologist, administers the distribution of the Project WILD materials for the Department of Fish and Wildlife.
Sierra Pacific Industries	Mark Lathrop	<a href="mailto:mlathrop@spi-ind.com">mlathrop@spi-ind.com</a> ; 530-378-8271; P.O. Box 496028, Redding, CA 96049-6028	Mark has been in the industry for 37 years.

**Project Details**

<b>Project Goals</b>	<b>Actions</b>	<b>Tangible Outcomes</b>	<b>Measure Success</b>	<b>Grant Funds</b>	<b>In-Kind or Matching Funds</b>
The goal of FIT is to provide K-12 teachers with knowledge, skills and tools to effectively teach their students about forest ecology and forest resource management practices. The program brings together natural resource specialists and teachers from rural and urban settings for one week, working side by side to gain a deeper understanding of forest ecosystems and human use of natural resources. Hands-on fieldtrips play a critical role in the FIT agenda by linking classroom concepts to on-site learning experiences.	University of California Cooperative Extension personnel will provide in-kind contributions via their time spent organizing FIT workshops and fieldtrips, and directing approximately 100 California teachers participating in one-week sessions at four different locations (Humboldt, Plumas, Shasta, and Tuolumne Counties). By visiting sites related to forest ecology and management, the fieldtrips will provide experiential learning for teachers.	Improve K-12 teachers' knowledge of the links between forest ecology, forest management, and ecosystem services. Subsequently, the teachers can provide this education to their students.	FIT measures success by tracking the survey responses of participants before, during, and after FIT. In addition, following their participation at FIT, teachers are rewarded with a \$200 stipend upon completion and implementation of a forest-related curriculum project in their classroom and written report back to FIT.	\$5000	\$5000

### **Project Timeline**

- April 3-June 15, 2014: Fieldtrip planning, finalize 2014 FIT workshops, including fieldtrips
- June 15-June 21, 2014: Plumas County FIT (Quincy, CA; fieldtrip June 18)
- June 22-June 28, 2014: Tuolumne County FIT (Sonora, CA; fieldtrip June 25)
- July 6-July 12, 2014: Shasta County FIT (Shingletown, CA; fieldtrip July 9)
- July 13-July 19, 2014: Humboldt County FIT (Arcata, CA; fieldtrip July 16)
- July 19-December 5, 2014: Analysis and summarization of the goals and outcomes for project reporting

### **Project Budget**

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
Fieldtrip expenses						
Room/Board	\$2190	\$2190	US Forest Service State and			\$4380

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
			Private Forestry grant			
Transport	\$1375	\$1375	US Forest Service State and Private Forestry grant			\$2750
Education & Outreach	\$1435	\$1435	US Forest Service State and Private Forestry grant			\$2870
Total	\$5000	\$5000	US Forest Service State and Private Forestry grant			\$10000

**PEI Grant Application**  
**SFI Inc. Conservation & Community Partnerships Grant Program**

*Application Requirements*

- *Proposals must follow this application format.*
- *Applications cannot be longer than 5 pages (Project Partner signed agreements and Lead Organization proof of non-profit status do not count towards the 5 page maximum).*
- **You may delete all text preceding this section and any text in italics throughout the application.**

All applications must address the following items:

Organization Information

*The Lead Organization in the Project must be a non-profit organization (eg. registered 501c (3), or Canadian equivalent). Please note: SFI Implementation Committees, colleges, universities and schools qualify as non-profit organizations. Applicants must submit proof of tax-exempt status with this application.*

Lead Organization Name and Address	Pacific Education Institute 724 Columbia St. NW., Suite 255 Olympia, WA 98501
Name, phone and email for Project Director	Breanna Trygg, 360 705 9286 btrygg@pacificeducationinstitute.org
Lead Organizational Mission Statement (25 words or less)	Using the environment as a context, the Pacific Education Institute provides schools and teachers with tools and support to help students become scientifically literate citizens.
Lead Organization Annual Operating Budget	\$673,055
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Paul Wing, Green Diamond Resource Co., Vice President and General Manager, <a href="mailto:pwing@greendiamond.com">pwing@greendiamond.com</a> (360) 427-4795  Michael Mosman Port Blakely Tree Farms, L.P. Sr. Vice President-Land & Resources <a href="mailto:mmosman@portblakely.com">mmosman@portblakely.com</a> (360) 596-9418

Project Overview

*The Project must relate to or support one or more elements of the SFI 2010-2014 Standard. You can download a copy of the Standard and supporting documents from the SFI website here: <http://www.sfiprogram.org/sfi-standard/sfi-standards/> Community-based projects should focus on Objective 6 (Special Sites), Objective 17 (Community Involvement in the Practice of Sustainable Forestry) and Objective 18 (Public Land Management Responsibilities), but are not limited to these specific SFI 2010-2014 Standard objectives.*

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
---------------	--------------------------------------------------------------------------------------------------	---------------------------	----------------------------------------------------------------------------	------------------------------------------	---------------------------------------------------------------------------------------------------------------------

STEM Education on Sustainable Forest Practices	9 months	\$5000.00	\$35,190	Pacific Education Institute will provide a workshop for both science education professors (who prepare future teachers) and informal educators at environmental learning centers (who are facilitators for Project Learning Tree). The training will include PLT's Focus on Forests and Forests of the World modules with added material about the SFI. The workshop will include a SFI certified forest owner and a nearby forest analysis. This will allow these facilitators to use these materials with future teachers they train to understand how SFI solves real world problems.	<b>Objective 17- Performance Measure 17.2.</b> Program Participants shall support and promote, at the state, provincial or other appropriate levels, mechanisms for public outreach, education and involvement related to sustainable forest management.
------------------------------------------------	----------	-----------	----------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

\* Matching funds and in-kind contributions should be reflected again in the budget outline below, indicating the source for each amount and Project Partner

Project Partners

\*For each Project Partner, please complete the following table. This application must include a signed copy of the Agreement to Public Communications for each listed partner, as well as the Lead Organization. A copy of this agreement may be found at the end of this document.

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organization's Qualifications and Experience (150 words or less per partner)
Washington Forest Protection Association	Mark Doumit, Executive Director	<a href="mailto:mdoumit@wfpa.org">mdoumit@wfpa.org</a> 360-352-1500 ext.105 724 Columbia St. NW Suite 250 Olympia, WA 98501	The Washington Forest Protection Association (WFPA) is the sponsor for the national Project Learning Tree Program with the following Environmental Education <b>Goal:</b> WFPA's Environmental Education goal is to maintain a place in schools for teaching the value of working forests on the landscape. WFPA is committed to advancing sustainable forestry in Washington State to provide forest products and environmental benefits for the public. WFPA establishes balanced forest policies that encourage investment in forestland, protection of fish, water and wildlife and promote responsible forest management as a preferred land use.

Project Details

Please provide answers to the following questions to describe your project.

1. Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program.
  - a. **By providing a workshop for science education professors of pre-service teachers and informal educators from environmental learning centers, these educators can then train teachers to include forest management with SFI standards and locations in their workshops. Students become better informed about the Sustainable Forestry Initiative and how forestry practices today have changed. As there are many misconceptions about forestry practices out there and prejudice against the forest industry as least in the cities in the Northwest this would be an important opportunity for to better inform the public starting with our educators. Visiting a tree farm during the training and requiring participants to identify SFI tree farms in their locale for demonstration visits will encourage these facilitators to provide a SFI tree farm visit in their trainings for teachers. Their teachers will be encouraged to access SFI tree farms for student field studies and projects now required by the new national Next Generation Science Standards (NGSS).**
2. What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project?
  - a. **Pacific Education Institute with the support of Washington Forest Protection Association will develop educational materials about SFI and Forest Practices**
  - b. **Pacific Education Institute will utilize Project Learning Tree Lessons on Ecosystem Services and Forest ownership along with the Montreal Process in their Focus on Forests and Forests of the World Guides**
  - c. **Pacific Education Institute will provide a facilitator training on Forests, Ecosystem Services, and SFI for 25 Project Learning Tree facilitators who are practicing informal educators at environmental centers and science education professors.**
  - d. **Pacific Education Institute will invite a SFI certified forest owner to the facilitator training and visit the forest at the workshop site to deepen the understanding of SFI certification criteria.**
3. In the table below, please list the goals for your project. For each goal, please describe: the actions you will take to achieve your goal; the corresponding tangible outcomes (e.g. provide implementation guidance on a component of the SFI Standard, landowners reached through education programs, acres positively affected by the Project); the means by which you will measure success in achieving each goal, and; the portion of the requested grant funds that would be used to achieve the goal. Add rows as needed to address all project goals.

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Facilitator Workshop on Forestry	Provide Forestry workshop for PLT facilitators	20 PLT facilitators and 5 science education professors will receive updated training in Forestry with a better understanding of SFI. Each of these 25 facilitators will train at least 20 teachers (total 500) per year.	Workshop Evaluations and follow up about use in the classroom	\$5,000	Match = \$26,650  In-kind = \$8,540
				\$5,000	\$35,190

Project Timeline

Please provide a timeline for completion of the project. Projects must be completed within 2014. The timeline should reflect when you will deliver upon the goals and outcomes as outlined above.

- **May, 2014: recruit informal Project Learning Tree facilitators (science education professors and PLT facilitators working at environmental education learning centers) to attend the Fall of 2014 Workshop**
- **June to August: Develop educator lessons and materials on SFI**
- **September to November: Provide PLT facilitator training with SFI for science education professors and informal PLT facilitators.**

Project Budget

Please fill out the table below to illustrate the entire Project budget. SFI Inc. will not award any funds for organization overhead costs, which include but are not limited to, office rent or maintenance, utilities, temporary hires, etc. SFI funding should be used for direct project costs only. Salary and benefits may not be paid with SFI Community Project funds, but may account for matching or in-kind contributions.

You may modify this table to fit your needs, however please ensure your budget addresses the following components:

1. Total Operating costs divided up by relevant category such as travel, meetings, communications, education & outreach etc.
2. Identify any in-kind support allocated to this Project by each project partner
3. Identify any matching funds allocated to this Project by each project partner

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
<b>Operating Costs</b>						
Program Management		\$6,500	Pacific Education Institute (PEI)			\$6,500
Planning meetings & training for facilitators & science education professors	\$1,000	\$2,000	PEI			\$3,000
SFI Lesson Development				\$1,000	Washington Forest Protection Association (WFPA)	\$1000
Travel				\$1500	Facilitators and Professors travel to workshop (\$60 ea)	\$1,500
Education & Outreach & Communications		\$8,200	WFPA	\$1,000	PEI	\$9,200
Education Professor and PLT Training Workshops	\$3,000	\$5,550	PEI	\$5,040	Facilitator & Science Education Professor Time 25x\$30/hrx6 hrs	\$13,590
Curriculum Materials /Resources	\$1,000	\$4,400	WFPA			\$5,400
<b>Total</b>	<b>\$5000</b>	<b>\$26,650</b>		<b>\$8,540</b>		<b>\$40,190</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

**SFI Inc. Conservation & Community Partnerships Grant Program Guidance and Grant Application for Requests for Community-based Projects \$5,000.00 or Less**  
**(SUB)URBAN FOREST WALKING TOUR;**  
**ENVIRONMENTAL CONTRIBUTIONS OF A NATURAL RESOURCE WORKHORSE**

Organization Information

Lead Organization Name and Address	Ann's Backyard Forest, Ltd. 5906 Cobalt Road • Bethesda, MD 20816 • AnnsBackyardForest.org
Name, phone and email for Project Director	Ann M. Gallagher 240-461-6171 • agm@saltywaters.org
Lead Organizational Mission Statement (25 words or less)	Ann's Backyard Forest, Ltd. has been created to make science accessible™ by translating technical, scientific, ecological research into principles approachable by all.
Lead Organization Annual Operating Budget	N/A - 501(c)3 status established December 2013
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	1.Charles Schuster, Senior Agent, Agriculture & Natural Resources, Commercial Horticulture University of Maryland Extension Service 18410 Muncaster Rd • Derwood, MD 20855 • 301- 590-2807 • cfs@umd.edu  2.Frank Parker, President Izaak Walton League of America - Bethesda Chevy Chase Chapter 20601 Izaak Walton Way • Poolesville, MD 20837 • 301-668-8698 • vats3@verizon.net

Project Overview

Project Title	Total Length of time for completion of project	Amount Requested from SFI	Total Project Budget	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
(Sub)urban Forest Walking Tour; Environmental Contributions of a Natural Resource Workhorse	8 months (April 2 until November 15, 2014)	\$5000	\$5000	Inclusive of SFI objectives, create a self-guided Walking Tour of a suburban forest. Each stop will present elements highlighting the impact of trees within the (sub)urban forest. Principles of tree health, environmental contribution and care will be emphasized. Reference materials will be worked into a Fact Sheet. Both work products will promote the objectives of SFI. Both products will be developed with the feedback of elementary school aged scouts.	As outlined in the project description nearly all of the objectives will be promoted. The two work products (self-guided Walking Tour and Fact Sheet) will directly address Objective 17, Measure 17.2, Indicators 1c & 1d

Project Partners

Confirmed Project Partners	Primary Contact Name & Title	Complete Contact Info.	Brief Summary of Individual's and Organizations Qualifications and Experience
Wood Acres Citizens' Association	Eric F. Fedowitz President	Effedowitz@hotmail.com 301-928-6384 5905 Cranston Road Bethesda, MD 20816  <a href="http://www.woodacres.info/">http://www.woodacres.info/</a>	Founded in 1940 the Wood Acres Citizens Association, a not for profit, enriches the quality of life within the community by supporting projects bring residents together through civic engagement. The board protects community interests with the covenants, public safety, and tree committees. Multiple community celebrations and publication of a directory bring the citizens together throughout the year. The WACA distributes information of importance to the citizens with a block captain flier system and an online website with email notifications. The president leads the community in establishing new and sustaining old programs supporting the goals of the citizens.

Project Details

Confidentiality. Each Director shall maintain the confidentiality of all discussions and deliberations of the SFI Board of Directors, including agendas, minutes and materials presented at or distributed for meetings of the Board. Such information may be disclosed only as authorized by the Board, or by the President.

1. INTRODUCTION: Wood Acres, a small Maryland neighborhood of about 100 acres located in the suburbs of Washington, was a remarkable large-tree habitat for decades. A variety of native trees brought all the benefits of an urban forest to the neighborhood. In 2009 two large *Liriodendron tulipifera* trees were blown over during an unusual storm. Each tree landed on a home; both homes destroyed, both families fortunate to escape with all members alive. The sight of near-death in combination with faulty understanding of tree structure and function has led to the removal of a number of healthy neighborhood trees. The overall benefit of the 100+ year old trees has been lost and the threat to the remaining members of our suburban forest is great. Homeowners are making decisions of significant environmental consequence based on concern for safety. Even with county natural resource support homeowners are making choices leading to community deforestation. Together the remaining trees represent a forest with **exceptional conservation value**. Convincing homeowners to value trees and replace those removed will permit the forest to become remarkable again.



[http://streamstatsags.cr.usgs.gov/md\\_ss/default.aspx?stabbr=md&dt=130355174925937500](http://streamstatsags.cr.usgs.gov/md_ss/default.aspx?stabbr=md&dt=130355174925937500)

In addition to the cooperative enthusiasm of the community Wood Acres is fortunate to have a number of small open spaces and a stream. There is one very small pocket park; a treasure supporting the community's Holiday Tree. A large, regional playground with several fields attracts county families to sporting events. The larger park has numerous, native trees supporting nesting birds and a bat colony. The neighborhood supports a valuable riparian zone along the Minnehaha, a small creek. The combination (parks and stream) has the possibility to offer the residents an opportunity to appreciate the benefits of action to their neighborhood stream. The community still has a variety of native trees including members from families such as oak, beech, ash, pine, gum, persimmon, dogwood, pignut, locust, cheery, maple, tulip, and sycamore. Proximity to the C & O Canal permits wildlife visitors and residents including confirmed sightings of owls, eagles, and foxes.

Although small, Wood Acres is part of the much larger community of Bethesda, Maryland. Wood Acres residents frequently collaborate with adjacent neighborhoods. Over the last 3 years we have banded with the Springfield and Mohican Hills Citizen's Association for Montgomery County Department of Transportation Street Tree Planting projects and for support of legislation to providing added protection of large trees in the county. The documents generated through this SFI grant will be shared with and potentially used by the thousands of residents adjacent to Wood Acres.

#### (Sub)urban Forest Walking Tour; Environmental Contributions of a Natural Resource Workhorse

This proposal will allow local homeowners to better appreciate the value and role of their tree(s) in the community's forest. While creating the Walking Tour material reference materials will be collected to be used in the creation of a supporting Fact Sheet document. For the young people who assist with creation of the Walking Tour SFI principles will be stressed.

The homeowners who take the tour or review the fact sheet will:

- a) gain knowledge of the importance of the natural resources on their suburban lot,
- b) be able to find visual examples of tree specimens with which to compare the health of their trees,
- c) learn about the key elements of tree care,
- d) understand the difference between slightly damaged vs. dangerous trees, and
- e) depart capable of finding professional tree care consultants for advice on issues of safety and care.

The homeowners who only hear about these documents will be exposed to:

- a) community emphasis on trees as a resource,
- b) the location of additional sources to assist them in improving their ability to care for and protect their tree(s), and
- c) the possibility of willingness to add trees to their property.

The final Walking Tour work product will be available in hardcopy (printed in compliance with SFI objectives) and online at both Ann’s Backyard Forest and the Wood Acres community website. The final Fact Sheet work product will be available electronically online at both Ann’s Backyard Forest and the Wood Acres community website. Both work products will be distributed to the local newspaper, the neighborhood, adjacent neighborhoods, and to the visitors of our regional park. As a community Wood Acres residents will be introduced to their trees as part of a larger (sub)urban forest worthy of attention, respect, care, and consideration.

2. The final work products will emphasize tree value, tree structure, and tree - each in compliance with SFI standards, as applicable. These characteristics align with, will emphasize, and will promote SFI objectives and standards.

The two work products will specifically promote the benefits of managed suburban forest care including: reduced atmospheric carbon, improved water quality, increased biodiversity, reduced soil erosion, increased biologic productivity, improved resistance to damaging agents, improved water quality during wet weather events, and improved water quality and health for downstream fish populations. The two products will specifically promote the principles of forest management including: minimizing chemical usage, alternatives to pesticides, concept of integrated pest management, avoidance of exotic species, avoidance of damaging agents, protection of riparian zones, tree care basics (root zone protections, pruning goals, and soil protection) and promote the neighborhood tree committee’s collaboration with state and county agencies.

Additionally the “Fact Sheet” will provide homeowners with up-to-date and historical, soil and topographic maps produced by United State Geological Survey (USGS). Homeowners will be invited to take the Walking Tour, led by local scouts, on a weekend day in the fall of 2014.

SFI will be recognized and promoted within Wood Acres, to the adjacent communities, in the county newspaper, to the parents at one of the largest elementary schools in Maryland, to the regional service units of both Boy and Girl Scouts, and to the reference organizations of the Izaak Walton League of America and the University of Maryland’s Montgomery County Extension Service. Although not a part of this project the engagement effectiveness will be taken into consideration for projects under development by Izaak Walton League volunteers.

### 3. Project Goals

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Pre-select Walking Tour route	<ul style="list-style-type: none"> <li>• Review topographic maps, walk route:</li> <li>• Select route with safety, tree value, and distance in mind</li> <li>• Select trees with characteristics of health and also with interesting features: Root structure, canopy shape, site location, leaf structure, bark integrity, repaired wounds, nesting cavities, surface growths (lichen, moss, fungi), crossed branches, girdling roots, girdling vines – goal to find as much variety of growth characteristics as are available within the community</li> </ul>	<ul style="list-style-type: none"> <li>•Walking route established (approx. 2.0 miles)</li> <li>•Possible stopping points identified (stop every 0.15 miles)</li> </ul>	At least 30 trees identified as potential stopping points – goal many more trees than needed	\$500	None
Recruit focus group of scouts (4-8 total scouts from the 35 scout troops in the local area)	Find interested youth	Using the 2 scout, the 2 large public school, the 1 private school, and the 2 community listservs find scouts	Between 4 and 8 scouts from 2 to 5 <sup>th</sup> grade volunteer to participate	\$0	None

		interested in the project			
Focus Group Meetings	<ul style="list-style-type: none"> <li>• Introduce basic tree biology (concentrate on structure and function)</li> <li>• Walk the Tour route with the scouts</li> <li>• Identify trees that capture the attention of the scouts (use mapping and GPS)</li> </ul>	2-3 meetings to introduce concepts, test route, test interest of tree features	Reduce 30 trees to 18 - 20 Confirm tree location with GPS coordinates	\$500	None
Research the main features of the interesting trees	<ul style="list-style-type: none"> <li>• Find a range of trees - size and health (environmental contribution value), with wildlife value, and with evidence of good structure (root flare, canopy balance, leaf size and distribution)</li> <li>• Model environmental contribution from species of tree, estimated age, health</li> <li>• Consider generating an appraisal value for each tree</li> </ul>	A census/ assessment of the 18-20 trees under consideration for inclusion in the Walking Tour	<ul style="list-style-type: none"> <li>• Each tree would be assessed for overall health, environmental impact, and physical characteristics by an ISA Certified Arborist</li> <li>• Original artwork created to convey basic principles of biology and tree structure</li> <li>• Educational reference material to support the Walking Tour facts – to be used in the “For More Information Fact Sheet”</li> </ul>	\$3000	None
Develop main points to make at each stop	<ul style="list-style-type: none"> <li>• Provide sources of further information for the most interested residents</li> <li>• Reduce potential talking points to the primary message for each tree on the Walking Tour</li> <li>• Ensure walking distance between stops is both far enough and short enough to retain interest</li> </ul>	Draft of Walking Tour Brochure	Drafts of 3 potential Walking Tour Routes (0.5 mile, 1+, and 2 mile routes)	\$300	None
Re-engage scouts	<ul style="list-style-type: none"> <li>• Test ability to make each stop on the Walking Tour of interest to the youth</li> <li>• Test ability of scouts to find the value at each stop</li> <li>• Confirm route distance and tree stop placement</li> <li>• Train each scout to be able to share knowledge with others</li> </ul>	Walk the routes gauging youths’ ability to sustain interested over 2 mile walk	<ul style="list-style-type: none"> <li>• Route for community celebration selected</li> <li>• Route for inclusion in the brochure selected</li> </ul>	\$200	None
Community presentation	<ul style="list-style-type: none"> <li>• Scouts and their parents will walk the route</li> <li>• Scouts present findings to their parents</li> <li>• Walking Tour and Fact Sheet presented to the community</li> <li>• Celebration in Wood Acres park to thank volunteer scouts and SFI as funding agent</li> </ul>	Homeowners introduced to the Walking Tour and to the goals of SFI	<ul style="list-style-type: none"> <li>• Brochures produced in hardcopy (printed in compliance with objectives of socially sound fiber production) and available electronically online</li> <li>• Press release sent to the Gazette sharing the tour with the county</li> <li>• Electronically available Fact Sheet to contain the</li> </ul>	\$500	None

			references, supporting biological and ecological principles, and the SFI objectives emphasizing those easily incorporated in a suburban community forest		
--	--	--	----------------------------------------------------------------------------------------------------------------------------------------------------------	--	--

Project Timeline

<b>Timeline</b>	<b>Project Goals</b>
April 2, 2014	Results announced
May 2, 2014	Pre-select Walking Tour route
May 16, 2014	Recruit focus group of scouts (4-8 total scouts from the 35 local scout troops)
June 20, 2014	Focus Group Meetings
August 15, 2014	Research the main features of the interesting trees
August 29, 2014	Develop main points to make at each stop
September 30, 2014	Re-engage scouts
November 15, 2014	Community presentation of Walking Tour and Fact Sheet

Project Budget

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
<b>Operating Costs</b>						
Research Activities	\$3300					\$3300
Meetings	\$600					\$600
Travel						
Education & Outreach	\$600					\$600
Communications	\$500					\$500
<b>Total</b>	<b>\$5000</b>					<b>\$5000</b>

## SFI Inc. Conservation & Community Partnerships Grant Program Community-based Grant Application

Lead Organization Name and Address	Association of BC Forest Professionals 602-1281 West Georgia Street Vancouver, BC V6E 3J7
Name, phone and email for Project Director	Bill Bourgeois 604-924-0765 <a href="mailto:wwb@telus.net">wwb@telus.net</a>
Lead Organizational Mission Statement (25 words or less)	Our mission is to ensure British Columbia has qualified forest professionals and to support them in providing excellence in forest stewardship.
Lead Organization Annual Operating Budget	2012 Annual Report reference Revenue \$2,588,963 Expenses \$2,533,790
Two references who can speak to the relevance and potential of the Project	<b>Truck Loggers Association</b> Dwight Yochim, Executive Director (604) 684-4291 Ext. 1 <a href="mailto:dwight@tla.ca">dwight@tla.ca</a> <b>BC Community Forest Association</b> Jennifer Gunter, Executive Director (250) 353-2034 <a href="mailto:jgunter@bccfa.ca">jgunter@bccfa.ca</a>

### Project Overview

The *Healthy Forests-Healthy Communities: A conversation on BC forests* (HFHC)<sup>1</sup> initiative identified community capacity building as an issue to both influence forest lands decisions and generate a forest culture within forest-dependent communities. Citizens concerned about the future of British Columbia's (BC) forests asked for more information on forests, forest management, land use and the forest industry. They want to have both an informed influence on strategic level decision-making regarding their local forests and a positive relationship with the forest industry<sup>2</sup>.

An opportunity exists to utilize current initiatives in building knowledge capacity within communities and the public to benefit both the forest sector and the communities. This can be accomplished through support of a *Collaborative* initiative that focuses on building knowledge capacity in communities and the public relative to the basics of forestry.

The webinar tool is becoming a very effective way of informing people about issues, transferring technical knowledge, etc. The Canadian Institute of Forestry (CIF) has provided a webinar service for several years to forest professionals and others interested in forestry at the technical level. We are in a position to capitalize on their knowledge regarding the use of the tool in communicating to communities and the public regarding building knowledge capacity.

<sup>1</sup> A non-partisan, volunteer supported initiative to provide an opportunity for communities and concerned citizens to inform decision-makers of their views and concerns regarding the management of BC forest lands <http://bcforestconversation.com>

<sup>2</sup> *Restoring BC's Forest legacy and energizing the forest sector, Final report, 2013*, <http://bcforestconversation.com>

It is proposed that select forest sector organizations sponsor the holding of a Webinar Series as a means of building capacity within communities. The Webinar Series will be one of the tools used by the *Community Capacity Building Collaborative*<sup>3</sup> to provide:

- Basic forestry, forest management, land use and forest industry knowledge regarding local forests in BC
- Knowledge on the provincial forest management framework (e.g., legislation, regulation, policies, practices and processes)
- Basic knowledge regarding the state of local forest lands

The webinar service will be delivered by the CIF. Priority topics will be identified by a Steering Committee composed of respected members of Government, industry, academia, professional associations, First Nations and communities. The Steering Committee will also provide recommendations regarding preferred presenters, primarily from the Lead and Partner organizations. The *Collaborative* Coordinator (Bill Bourgeois, New Direction Resource Management Ltd) will coordinate arranging for the volunteers and liaising between the presenters and the CIF.

There will be 10 Webinars presented (1/month) over a 12 month period (i.e., excluding July and August). Six of the Webinars will be held in 2014 (May-December) with four Webinars in 2015 (January-April). The presentations will be archived on the *Healthy Forests-Healthy Communities* website (<http://bcforestconveration.com>) and available to interested persons within BC, Canada and USA at any time following each presentation. Advertising of the Webinar Series will be through the CIF, Partner and *Healthy Forests-Healthy Communities* initiative networks.

It is expected the Webinar Series will provide:

- A convenient knowledge transfer opportunity for community concerned citizens and those with a basic desire to know more about forests, forest management, land use and the forest industry
- An opportunity to hear from experts in the various forest management related fields and be able to ask them questions
- The Government and forest industry with a mechanism of communicating basic knowledge through publicly trusted sources
- A cost effective means of building knowledge capacity within communities

Project Title	Project Timeline	SFI Request	Total Project Budget	Brief Project Summary	SFI Program Elements
Healthy Forests-Healthy Communities Webinar Series	12 months	\$5,000	\$103,500 \$50,000 (cash) \$53,500 (in-kind)	Webinar Series to build knowledge capacity related to basic forestry, forest management, land use & forest industry knowledge regarding local forests in BC, knowledge on the provincial forest management framework (e.g., legislation, regulation, policies, practices and processes) and basic knowledge regarding the state of local forest lands	<b>Objective 17</b> (Community Involvement in the Practice of Sustainable Forestry) and <b>Objective 18</b> (Public Land Management Responsibilities)

<sup>3</sup> It is a *Collaborative* of organizations committed to providing non-partisan, balanced information on forests, forest management, the forest industry and the forest sector. The *Collaborative* will contribute to *Building a forest culture* in BC. Details available upon request.

**Project Partners** (partners who will either administer the webinar process or assist in obtaining experts for webinar presentations)

<b>CONFIRMED PROJECT PARTNERS</b>	<b>PRIMARY CONTACT NAME &amp; TITLE</b>	<b>COMPLETE CONTACT INFORMATION</b>	<b>INDIVIDUAL'S &amp; ORGANIZATIONS QUALIFICATIONS &amp; EXPERIENCE</b>
<b>Webinar delivery agent</b>			
Canadian Institute of Forestry	Matt Meade, Executive Director	<a href="mailto:mmeade@cif-ifc.org">mmeade@cif-ifc.org</a> (519) 389-4634 PO Box 6905 Hwy 17 West Mattawa, Ontario P0H 1V0	National organization with experience in forestry extension, forest policy & promotion of forest stewardship across Canada
<b>Sources of experts</b>			
Association of Professional Biology	Megan Hanacek Executive Director	<a href="mailto:managingdirector@professionalbiology.com">managingdirector@professionalbiology.com</a> (250) 483-4283 300-1095 Mackenzie Ave Victoria, BC V8P 2L5	Association of professional biologists with experience in extension, advocacy & community relations
University of BC	John Innes Dean, Faculty of Forestry	<a href="mailto:john.innes@ubc.ca">john.innes@ubc.ca</a> (604) 822-6761 2424 Main Mall, UBC Vancouver, BC V6T 1Z4	Extensive experience in teaching, extension & knowledge transfer
Ecosystem Science and Management, UNBC	Kathy Lewis Professor	<a href="mailto:lewis@unbc.ca">lewis@unbc.ca</a> (250) 960-6659 3333 University Way Prince George, BC V2N 4Z9	Extensive experience in teaching, extension & knowledge transfer
Thompson Rivers University	John Karakasoulis Assistant Professor	<a href="mailto:jkarakat@tru.ca">jkarakat@tru.ca</a> (250) 828-5462 900 McGill Road Kamloops, BC V2C 0C8	Extensive experience in teaching, extension & knowledge transfer
Ministry of Forests, Lands & Natural Resource Operations	Kevin Dickenson Regional Executive Director	<a href="mailto:Kevin.Dickenson@gov.bc.ca">Kevin.Dickenson@gov.bc.ca</a> (250) 828-4445 Thompson Okanagan Operations Kamloops, BC	Responsible for forest policy, regulations, legislation & operations; experience in knowledge transfer
Private Forest Landowners Association	Rod Bealing Executive Director	<a href="mailto:rod.bealing@pfla.bc.ca">rod.bealing@pfla.bc.ca</a> (250) 381-7565 P.O. Box 48092 Victoria, BC V8Z 7H5	Coastal forest industry association; experience in knowledge transfer & community relations
Gorman Bros	Nick Arkle Woodlands Manager	<a href="mailto:narkle@gormanbros.com">narkle@gormanbros.com</a> (250) 768-6214 P O Box 26052 Westbank, BC V4T-2G3	Interior forest company responsible for forest management; experience in knowledge transfer & community relations

## Project Details

PROJECT GOALS	ACTIONS	TANGIBLE OUTCOMES	MEASURE SUCCESS	GRANT FUNDS	IN-KIND OR MATCHING FUNDS
Inform concerned citizens of the basics of forestry, Land use, forest management & forest industry	Conduct 10 Webinars on priority topics identified by the Steering Committee; 6 during 2014 + 4 during Jan-Apr 2015	Webinars conducted	1. Attendance at webinars 2. Reviews of webinar material post sessions 3. Satisfaction survey results	\$5,000 will be allocated to conducting 2014 webinars	\$53,500

## Project Timeline

The full project will cover the period April 2014 through April 2015. The SFI Grant funding will be attributed to the six 2014 webinars. Funding from other sponsors will be allocated to the webinars throughout the full project timeline.

## Project Budget

EXPENDITURES (fees and expenses) (\$)	SFI GRANT FUNDS (\$)	TOTAL MATCHING FUNDS	IN-KIND CONTRIBUTIONS (\$)	TOTAL PER EXPENDITURE CATEGORY (\$)
Coordination	2,000	16,000		18,000
Webinar delivery	3,000	29,000		32,000
Steering Committee Meetings			13,500	13,500
Webinar prep & delivery			40,000	40,000
<b>Total</b>	<b>5,000</b>	<b>45,000</b>	<b>53,500</b>	<b>103,500</b>

FUNDING	SFI GRANT FUNDS (\$)	SOURCE OF MATCHING FUNDS (\$)	SOURCE OF IN-KIND CONTRIBUTIONS (\$)
<b>Cash</b>	5000	Forestry Innovation Investment	15,000
		Union of BC Municipalities	10,000
		Forest Products Association of Canada	5,000
		WCSIC regional grant	5,000
		Forest Stewardship Certification Canada	5,000
		Canadian Standards Association	5,000
<b>In-kind</b>		Webinar presenters (volunteers)	40,000
		Steering Committee (volunteers)	13,500
<b>TOTALs</b>	<b>5,000</b>		<b>45,000</b>

## Organization Information

Lead Organization Name and Address	Carpenter's Elementary School 915 Huffstetler Rd. Maryville, TN 37803
Name, phone and email for Project Director	Katrina Gravitte, Principal 865-980-1490 katrina.gravitte@blountk12.org
Lead Organizational Mission Statement (25 words or less)	Carpenters Elementary School believes in Educational Excellence for All! Our mission is to maximize the academic potential of every child in a safe, personalized environment.
Lead Organization Annual Operating Budget	\$30,996.42
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Alex Wyss, The Nature Conservancy (Blount County, TN); <a href="mailto:awyss@TNC.ORG">awyss@TNC.ORG</a> , 865-977-1533 Mike Butler, CEO, Tennessee Wildlife Federation; <a href="mailto:mabutler@tnwf.org">mabutler@tnwf.org</a> , 6150353-1133

## Project Overview

This project, "Kiosk and dendrology signs for Carpenter's Elementary Outdoor Classroom for Environmental Education," directly addresses Objective 17 of the SFI Standard (Community Involvement in the Practice of Sustainable Forestry) and has great potential to address Objective 15 (Forestry Research, Science, and Technology). The monies awarded will support ongoing development of the Outdoor Classroom for Environmental Education.

The vision for an Outdoor Classroom for Environmental Education for Carpenters Elementary School began in 2009 with the initiative of former Principal Fred Goins and Erich Henry, Blount County Soil Conservation District. The vision was to build a nature trail for environmental education and exercise on a 16 acre woodlot which is part of the school's property. The woodlot is part of an old farm and the land has long since grown up in native forest and thickets. The entire area was previously unused by the school. The woodlot includes a spring-fed stream and a cat-tail marsh through which a tiny spring trickles. Mr. Goins engaged landscape design planners Sam Rogers and Leah Gardner, from The University of Tennessee, to provide a conceptual drawing (below) of a nature trail and engaged wildlife conservation educator Billy Minser, also from UT, to lay out the trail and to examine the property for environmental teaching opportunities.



The Blount County Department of Education has embraced the concept but there has been no funding available from the county to develop the plan. The 16 acre woodlot and diverse ecological features found there are amazing assets to be present on a school ground and provide an excellent opportunity for environmental education for the approximately 1400 students at Carpenters Elementary (600) and Carpenters Middle School (800) across the road. In addition this teaching resource could be made available for other schools throughout the county and has already been in use for environmental education by students from four universities in the region.

Many hours of volunteer labor and some contributions from partners have enhanced the woodlot tremendously with a cleared, graveled trail, teaching points, bridges, and a constructed wetland. Other significant activities and accomplishments to date include a professional risk and safety analysis, volunteer work days and parent orientations, in-service workshops, completion of a dendrology trail, establishment of a ½ acre native prairie, and construction of bridges and a boardwalk. There is much more work to be done. The following list further describes the area, is largely the result of volunteer efforts, and is indicative of the types of teaching opportunities that are possible.

- 3/4 mile long nature trail through a 16 acre woodlot and wetland
- A ½ acre remnant prairie – native grasses and wildflowers
- a volunteer 50 year old Virginia pine forest on an old farm-field
- a volunteer 5 year old Virginia pine forest
- mixed pine hardwood forest
- hardwood forest
- a bottomland hardwood forest and riparian zone
- a briar/woody thicket volunteering from an old farm-field
- a natural spring –about 5- 20 gallons/minute depending on rainfall
- a natural wetland teeming with frogs and other wetland wildlife
- a constructed wetland – about ½ acre
- a spring-fed creek
- an old pasture field
- 120 species of plants - - and counting
- 82 species of wildlife (birds, mammals, fish, reptiles and amphibians) - - and counting
- Invertebrates – 14 species and counting - -
- lessons on litter – old farm trash site
- tip-up mounds from blown-down trees
- dead and down trees for wildlife cover
- rotting log ecology

- snags and den trees
- limestone outcropping – geology study

Plans are underway to host Dave Walters (Tennessee Department of Agriculture) at Carpenter's Elementary for a Project Learning Tree workshop, to equip at least 20 local educators to utilize PLT materials and educate students, making use of the outdoor classroom. Once a cadre of educators in the Blount County School System have attended a PLT workshop, not only will they have access to the PLT curriculum, they will be eligible for advanced training and will be able to apply for additional grants to develop aspects of the outdoor classroom, obtain materials, develop curricula and integrate them into their activities, and expand student learning. Aspects of the PLT curriculum will also be incorporated into planned signage for the teaching points throughout the site (in progress).

Two immediate needs for the outdoor classroom are the Information Kiosk identified in the figure above, and signage for the dendrology trail. The kiosk will house a comprehensive map of the area and trails, and will serve as an area to post safety rules, current events, and other timely information. The kiosk will be designed so that it can be later modified to distribute maps for a self-guided nature walk (these will be developed at a later date). The dendrology signs will have species information and appropriate ancillary information such as distribution, importance to wildlife, cultural importance, and/or commercial importance for the species along with the SFI logo to indicate sponsorship. We are proposing that the kiosk be constructed with all SFI-certified materials, with a brief explanation of SFI included. We are seeking \$5,000 to complete this part of the project.

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Kiosk and dendrology signs for Carpenter's Elementary Outdoor Classroom for Environmental Education	10 Months	\$5,000	\$10,250	An information kiosk will be constructed for the Outdoor Classroom for Environmental Education. Tree species along the dendrology trail will be marked with appropriate signs. A hard copy map will be produced for the kiosk using aerial imagery and georeferenced points of interest.	Objective 17. Community Involvement in the Practice of Sustainable Forestry. Specifically, Performance Measure 17.2, indicators 1a-1c

Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individuals' and Organizations' Qualifications and Experience (150 words or less per partner)

Blount County Soil Conservation District	Erich Henry	ehenry@blounttn.org (865) 983-2011 Blount Co. SCD 221 Court Street; Maryville, TN 37804	The goal of the Blount County Soil Conservation District is to sustain and improve the natural resources within Blount County including soil, water and air quality. This goal is accomplished by aiding agricultural, suburban, and public land users in implementing on-the-ground conservation practices and creating environmental education curriculums. Erich Henry, Director of Conservation, possesses a Bachelor of Science in Agriculture and Natural Resources with advanced training in forage and grassland management. He has extensive grant writing and management expertise including the successful completion of an EPA funded Targeted Watershed Grant (TWG), which was only 1 of 12 EPA-TWG grants awarded nationwide.
Foothills Land Conservancy	William G. Minser	<a href="mailto:wminser@utk.edu">wminser@utk.edu</a> 865-856-3203 4702 Gribble Rd. Maryville, TN 37803	Mr. Minser began his career in 1966 as a biological aid with the Tennessee Game and Fish Commission (now TWRA). Formerly a wildlife biologist on Sapelo Island for the state of Georgia, Mr. Minser has been a teacher and researcher in wildlife conservation, Department of Forestry, Wildlife and Fisheries, University of Tennessee since 1972 (retired 2012). Mr. Minser has been an active participant with a variety of conservation organizations in Tennessee and the region during the past 40 years. He has helped acquire or otherwise protect about 400,000 acres in the Tennessee Valley which includes 8 new wildlife management areas and a 300 acre addition to the Great Smoky Mountains National Park; 292,000 of those acres were a result of TVA's new land use policy which protects public lakeshore property from future housing development sales. Mr. Minser is now (2014) involved in a variety of state and community conservation efforts.
USDA, Forest Service, Forest Inventory and Analysis	J.T. Vogt	<a href="mailto:jtvogt@fs.fed.us">jtvogt@fs.fed.us</a> 865-978-0664 USDA, FS, SRS, FIA 4700 Old Kingston Pike Knoxville, TN 37919	Forest Service Research and Development is the largest research organization devoted to forestland in the world. Dr. Vogt is a Ph.D. level, board-certified entomologist. His experience includes more than 40 peer-reviewed publications, several invited domestic and international presentations, and extensive GIS/mapping/remote sensing capabilities. He is currently Deputy Program Manager for southern Forest Inventory and Analysis, headquartered in Knoxville, with more than 80 personnel conducting inventory and reporting for forestland from Texas to Virginia and points south, including Puerto Rico.

### Project Details

1. An explanation of the SFI program goals will be presented on the Kiosk. If SFI can provide a QR code to include, that will also be incorporated, to direct visitors to the SFI website. Incorporation of PLT curricula into the classroom and the outdoor classroom will strengthen students' knowledge of the importance of forests and conservation.
2. We will engage all Carpenter's Elementary School students (600) in calendar year 2014 with guided hikes along the trail, incorporate PLT curricula into planned signage, and engage a minimum of 20 educators.

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds

Incorporate PLT curriculum	Minimum of 20 educators at Carpenter's Elementary and/or Middle schools complete workshop; team begins incorporating PLT curriculum elements into planned signage.	Educators receive PLT curriculum materials; increased ability to compete for grants to enhance project; 16 acres positively affected, minimum of 20 educators trained and 600+ students engaged in the first year (this outcome applies to all goals below)	Success will be measured by (1) successful completion of workshop and (2) alignment of planned signage for 50 to 100% of teaching points to PLT curriculum	0%	0%
Construct kiosk for Outdoor Classroom for Environmental Education	Volunteers and partners will prepare the site for the kiosk, and extend a trail spur to the location. A source will be identified to include use of SFI certified materials.	Information on the SFI certification program will be available on the kiosk	Success will be measured by completion of the spur and construction of the kiosk	70%	50%
Develop map for kiosk using aerial imagery and GIS of outdoor classroom features	USGS DOQQs will be obtained at no cost. Partners will georeference the trail, teaching areas, and other points of interest on the ground, and build GIS layers to superimpose on the aerial image. USDA FS FIA will print a large format finished map for inclusion in the kiosk.	Large format finished map will be available in the kiosk. The imagery and GIS will be available for later website development and possible interactive functions.	Success will be measured by incorporation of the finished map in the kiosk and development of a GIS for the site.	0%	30%
Obtain and place tree species ID signs for the dendrology trail	A source for the signs will be identified. Tree identifications are already complete. Language for the signs will be developed to include tree species, any special use or habitat information, and SFI branding.	Tour leaders, teachers, students will all have an opportunity to pause at the signs to become familiar with local tree species.	This component will be considered successful when all 31 signs are placed.	30%	20%

### Project Timeline

- May 2014 – PLT workshop held, begin incorporating PLT curriculum
- May 2014 – Kiosk area and spur trail prepared, design complete, vendor identified
- June 2014 – Tree species signs designed, vendor identified
- July 2014 – Kiosk in place, tree species signs in place, GIS developed, imagery identified
- August 2014 – Map completed, printed, and in place in kiosk
- October 2014 – Teachers and students engaged at Outdoor Environmental Learning Center

### Project Budget

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
<b>Operating Costs</b>						

Research Activities						
Meetings						
Travel						
Education & Outreach	\$5,000	\$0		\$5,250 (Salary for Vogt @ \$2500, salary for Henry at \$2500, USDA FS FIA large format map @ \$250	Partner salaries, materials	\$10,250
Communications						
<b>Total</b>	<b>\$5,000</b>			<b>\$5,250</b>		<b>\$10,250</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

## SFI Inc. Conservation & Community Partnerships Grant Program

### Organization Information

Lead Organization Name and Address	Forestry Educators Incorporated 3140 Sierrama Drive Shingle Springs, CA 95682
Name, phone and email for Project Director	Diane Dealey Neill 530-417-1960 <a href="mailto:dianedealeyneill@sbcglobal.net">dianedealeyneill@sbcglobal.net</a>
Lead Organizational Mission Statement (25 words or less)	The mission of FEI is to carry out fundraising, planning, and execution of the California Forestry Challenge program.
Lead Organization Annual Operating Budget	\$139,625
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	David Bischel, President California Forestry Association <a href="mailto:davidb@calforests.org">davidb@calforests.org</a> (916) 444-6592  Lawrence D. Camp, President Forest Landowners of California <a href="mailto:president@forestlandowners.org">president@forestlandowners.org</a> 510-538-8374

### Project Overview

Project Title	Total Length of time for completion of project	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary	What element(s) of the SFI 2010-2014 Program are addressed by your Project?
2014 California Forestry Challenge	12 months (January to December 2014)	\$5,000	\$139,625	The California Forestry Challenge is an academic forestry competition for high school students. Students spend four days in the forest interacting with natural resource professionals, immersed in a rigorous educational experience that introduces them to resource values including sustainability, wildlife habitat, watershed benefits, and cultural resources.	Objective 1: Forest Management Planning Objective 2: Forest Productivity Objective 3: Protection and Maintenance of Water Resources Objective 4: Conservation of Biological Diversity including Forests with Exceptional Conservation Value Objective 5: Management of Visual Quality and Recreational Benefits Objective 6: Protection of Special Sites Objective 7: Efficient Use of Forest Resources Objective 8: Landowner Outreach Objective 10: Adherence to Best Management Practices Objective 14: Legal and Regulatory Compliance Objective 15: Forestry Research, Science, and Technology

					Objective 16: Training and Education Objective 17: Community Involvement in the Practice of Sustainable Forestry Objective 18: Public Land Management Responsibilities
--	--	--	--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
Sierra Pacific Industries	Mike Mitzel, District Manager	<a href="mailto:mmitzel@spi-ind.com">mmitzel@spi-ind.com</a> 530-378-8130 P.O. Box 496014 Redding, CA 96049	Mike Mitzel is the District Manager of SPI's Lassen District. The site of the Shasta Forestry Challenge is within the Lassen District. For the 2014 Shasta event, the Focus Topic will be "Regeneration of Private Industrial Forestland after the Ponderosa Fire of 2012". Mike's forestry staff is already working with the Forestry Challenge program to plan the details of the event. Students will tour SPI's land within the Ponderosa Fire, learn about SPI's strategy for regenerating the forest, and design their own regeneration plans. SPI will leave 5 acres of forestland unplanted, and the top teams' planting designs will be implemented on that 5 acre area. In addition to the Shasta event, SPI staff volunteer at other Forestry Challenge events, teaching students how to use forestry tools and providing expertise in the "Ask a Forester" role for the events.
University of California Cooperative Extension	Michael De Lasaux Natural Resource Advisor, Plumas & Sierra Counties	<a href="mailto:mjdelasaux@ucanr.edu">mjdelasaux@ucanr.edu</a> 530-283-6125 208 Fairground Road Quincy, CA 95971	Michael De Lasaux is partner in the California Forestry Challenge. Over the past 6 years he has participated in both the El Dorado and Shasta sessions of the California Forestry Challenge. Mike has provided training to students and provided his professional expertise. Mike is a Natural Resources Advisor for the University of California Cooperative Extension serving Plumas and Sierra Counties since 1992. He is a California Registered Professional Forester (#2321). In his role as a Cooperative Extension Adviser he has been active in education and applied research directed to forestland owners and managers and the public focused on environmental education, collaborative community forest fuel reduction and national forest management issues.

Project Details

1. Involving Communities in Forest Management:

The purpose of the Forestry Challenge is to immerse youth in a rigorous educational experience in a forest environment near their respective communities. At each event, located in a different forest type and typically attended by schools from that area, the focus topic is specific to the regulation or management of the forest in that location. Students work in teams of two to five to research, investigate in the field, and form a strategy for addressing the topic. The topic and strategy for solution is presented to a panel of judges on the last day. Participants also undergo rigorous training and instruction in principles and techniques of forestry practices, and are introduced to resource values that include wildlife habitat, watershed benefits, and cultural resources.

Participants learn about the ecology and management of the forested landscapes that provide their communities with water, recreational opportunities, wood products, and wildlife habitat. Youth benefit by better understanding the relationship of the forested environment to their communities, by exposure to natural resource management as a potential career option, and by undertaking a rigorous problem-solving exercise.

“The Forestry Challenge offers an opportunity for students to apply management strategies to realistic situations. We feel as though we could actually make a difference with our plans.” – Student

“As an urban person, listening and questioning the people who live here increased my understanding and changed my viewpoint. Seeing the care of the environment which goes with logging on a sustainable basis was instructive and convincing.” – Teacher

2. Activities performed to promote the outcomes of the Project:

Each year, the focus topic for each Forestry Challenge event changes, based on the forest type where the event is being held, the issues relevant to that type of forest, and which topics are most current for a given year. Through careful research and advance work, a fieldtrip is planned to give students maximum exposure to the topic and resources to address the follow-up questions. The Focus Topic for Shasta was described above, and addresses the following Objectives of Sustainable Forestry: 1-5, 10, 14, and 15. Among topics for the other 2014 events are vegetation control, forest management for the purpose of domestic water production, and developing a firesafe plan for a camp facility. By participating in the Forestry Challenge, students and teachers gain an in-depth understanding of the science of forestry and come away with the tools to analyze a current forestry topic.

3. Project Goals:

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Goal 1: Increased understanding of basic forestry knowledge for 350 student and 95 teacher participants	Site visits to all five event locations and the development of the field tests and training locations	Student completion of the Field Test portion of the event, worth 60% of the overall score	Field Tests are graded and scored.	\$1,000 to be used for travel expenses to set up the field test	\$12,000 of volunteer in-kind value per event
Goal 2: Understanding a focus topic and addressing that issue with a plan of action for 350 student and 95 teacher participants	Site visits to all five event areas to set up the fieldtrips and recruit natural resource professionals to lead the activities associated with each outing	Student creation of a 15 minute PowerPoint presentation to address the focus topic and associated questions, that can be given in their communities after	Presentations are scored by a panel of three judges, both natural resource professionals and community leaders and are worth 40% of the overall	\$4,000 to be used for bussing to the fieldtrip site, and supplies such as forestry tools and office supplies, and for travel to set	\$12,000 of volunteer in-kind value per event

		the event	score.	up the fieldtrip route and activities	
--	--	-----------	--------	---------------------------------------	--

Project Timeline

Event dates and locations for 2014 have already been determined and will soon be posted on the Forestry Challenge website, [www.forestrychallenge.org](http://www.forestrychallenge.org). The 2014 dates and locations are as follows:

- Shasta Forestry Challenge: September 24 to 27
- Sequoia Forestry Challenge: October 8 to 11
- El Dorado Forestry Challenge: October 22 to 25
- Santa Cruz Forestry Challenge: November 5 to 8
- San Bernardino Forestry Challenge: November 19 to 22

In late spring and summer, focus topic as selected, and the fieldwork is done to set up the fieldtrips and testing for each event. Based on the topics at each location for the year, a finalized list of concepts, called Learning Objectives, is made available on the website in August, and reference materials are posted with information on each of the Objectives. Preparation can start as soon as the resource materials are posted online in August, continuing once school starts and often at regular team meetings. A typical event schedule is as follows:

Wednesday Afternoon and Evening: Teams arrive in the late afternoon to register and get settled. After dinner there is an evening program with an introduction to the event and the focus topic. A social activity and/or night hike.

Thursday: The morning and most of the afternoon are spent on the Focus Topic Fieldtrip. Students collect field data, hear from natural resource professionals involved with the focus topic, and often perform a service project in the forest. There is usually a recreational activity in the late afternoon, giving students the chance to recreate in the forested environment. During the evening, teams begin planning their Focus Topic Presentations, guided by two consultation sessions with an "Ask a Forester".

Friday: The activity switches to the field training, in the morning, and the field testing, in the afternoon. During training, students are given the opportunity to review the materials and field skills with qualified professionals. After lunch, teams rotate to four testing stations, spending 40 minutes at each station. In the evening, there is an opportunity for the teams to finish their presentations, followed by a social activity.

Saturday: Approximately 20 volunteers arrive to judge the presentations, after which the judges provide feedback to the students while the final scores are tallied. An awards ceremony immediately follows, and after lunch, the event is concluded.

After the event, teams frequently give their presentations at their school and in their community. Each year, the top teams present their plans to the California State Board of Forestry and Fire Protection and the California Licensed Foresters Association.

Project Budget

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
<b>Operating Costs</b>						
Research Activities	0					
Meetings	1,000					
Travel	4,000					
Education & Outreach	0					
Communications	0					
<b>Total</b>	<b>5,000</b>					

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

In 2013, Forestry Educators Incorporated received sponsorship support from 56 companies, agencies, organizations, and individuals. All income is put into one general fund to fund all program activities. In 2013, the total project budget was \$77,665. In 2014, in order to carry out 5 events and adequately fund support staff necessary to conduct the events, a total of \$139,625 is needed. Schools will be asked to pay 50% of the facility cost, and new funding sources will also fill some of the gap. However, SFI funding will be important in being able to deliver the program to 350 students and 95 teachers in the 5 event locations. In addition to the financial support received, a total of \$12,000 of in-kind support per event of volunteer help is donated to make the program work.

<b>2014 Forestry Challenge Expenses</b>	
Legal/Professional	\$ 500.00
Web page	\$ 200.00
Insurance	\$ 2,500.00
Bank Fees	\$ 50.00
T-Shirts	\$ 4,000.00
Postage	\$ 700.00
Supplies	\$ 3,000.00
Conference/Hotel Fees	\$ 1,500.00
Travel: Mileage/Parking/Airfare/Rental Car	\$ 5,000.00
Total Facility Fees	\$ 47,425.00
Food	\$ 4,000.00
Printing	\$ 750.00
Bussing / Event Transportation	\$ 4,000.00
Sub and Transportation Fees	\$ 2,000.00
Awards	\$ 500.00
Volunteer Mileage	\$ 1,500.00
Exec Director Consulting Fee	\$ 40,000.00
Contract Fees for Recruiting Help	\$ 16,000.00
Office Help	\$ 5,000.00
Equipment	\$ 1,000.00
<b>Total Expenses</b>	<b>\$ 139,625.00</b>

## Grant Application Template

### Organization Information

Lead Organization Name and Address	Idaho Forest Foundation c/o Idaho Community Foundation. 350 N 9 <sup>th</sup> St, #102, Boise ID 83702
Name, phone and email for Project Director	Betty Munis, 208-334-3292, <a href="mailto:ifpc@idahoforests.org">ifpc@idahoforests.org</a>
Lead Organizational Mission Statement (25 words or less)	The Idaho Forest Foundation supports programs and projects that educate Idaho citizens about the Idaho's forests and forest products industry.
Lead Organization Annual Operating Budget	Idaho Community Foundation: \$1,117,696
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	George Bacon, Snake River Chapter Chair, Intermountain Society of American Foresters, 208-641-5540 <a href="mailto:gbmodeler@yahoo.com">gbmodeler@yahoo.com</a>  Kurt Pregitzer, University of Idaho, Dean - College of Natural Resources, 208-885-6442, <a href="mailto:kpregitzer@uidaho.edu">kpregitzer@uidaho.edu</a>

### Project Overview

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Idaho Project Learning Tree SFI Education	8 months	\$5000	\$68,187	Incorporate SFI topics into PLT Facilitator training and teacher workshops, tours and other outreach. Through Idaho PLT, teachers build understanding of environmental, economic and social aspects of sustainable forest management. They engage their students with proven PLT activities, with the ultimate goal of the students becoming thoughtful and effective decision-makers.	2.4, 10.2, 17.2

### Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
Idaho Forest Products Commission	Betty Munis, Director	<a href="mailto:ifpc@idahoforests.org">ifpc@idahoforests.org</a> , 208-334-3292, 350 N 9 <sup>th</sup> St, #102, Boise ID 83702	Munis has served as IFPC's director since its inception in 1992. Since 1993, IFPC has served as the home office of the

			Idaho Project Learning Tree program. IFPC is the principle provider of information and education about Idaho's forests and the forest products industry to the people of Idaho.
Idaho SFI State Implementation Committee	David Brummer	<a href="mailto:dbrummer@stimson.com">dbrummer@stimson.com</a> 208-762-6563, 7600 N Mineral Dr, Ste 400, Coeur d'Alene ID 83815	As a member of the IFPC Communications Committee, Brummer helps guide IFPC's information and education programs. He is also a frequent guest presenter at forest tours, and helps line up support for PLT and other IFPC education programs.  The ID SIC and SFI member companies are long-time supporters of this and other education programs of the Idaho Forest Products Commission, both financially and with volunteer time.

Project Details

1. *Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program.*

Since nearly half of Idaho is forested, SFI is intrinsically relevant to our citizens. Management of Idaho forestlands impacts the environmental, economic and social well being of the entire state. It is in the interest of all the people of Idaho to understand and support responsible stewardship of these lands, such as that ensured by SFI standards. Based out of the Idaho Forest Products Commission for over 20 years, Idaho PLT has developed working relationships and a basis of trust with SFI partners. Through Project Learning Tree (PLT), a critical audience of educators is exposed to sustainable forestry principles and practitioners. Idaho PLT provides workshops to over 400 teachers each year. Since each teacher encounters several students, they have the potential to reach up to 17,000 Idaho students each year. These youth learn to approach complex environmental issues thoughtfully. Rather than simply reacting emotionally, students learn skills to ask questions, evaluate information, and make reasoned decisions about natural resource management. Sustainable forestry practices have a tremendous influence on rural communities and numerous forest users from urban areas. Communities benefit by having citizens who better understand SFI standards and approaches, who have met SFI company representatives or their partners, and thus know someone to ask if they don't understand a particular decision or practice. Idaho citizens want those caring for the forests in "their" backyard to be committed to sustainability for the long-term. Knowledgeable facilitators and PLT-trained teachers are good SFI ambassadors.

2. *What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project?*

- Address SFI during a training retreat for our cadre of PLT Facilitators. The Facilitators are educators and resource professionals who are specially trained to deliver an array of PLT workshops.
- Incorporate SFI topics into Idaho PLT workshops, including the Sustainable Forestry Tour.

Project Goals

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Promote public understanding of the role of	Include SFI topics in PLT Facilitator training. Include SFI	-PLT facilitators are knowledgeable about SFI.	-Pre/post training survey shows increased knowledge	\$5000	\$63,187

sustainable forestry and SFI. Specifically, train Idaho PLT facilitators (workshop leaders) about sustainable forestry and SFI, and incorporate SFI topics into PLT workshops, tours and other outreach.	topics in specific PLT workshops, such as <i>Walk in the Forest</i> , <i>Wildfires &amp; Weeds</i> , <i>Forest to Faucet</i> and <i>ForesTree &amp; STEM</i> , and the <i>Sustainable Forestry Tour for Teachers and Counselors</i> .	-PLT workshops include SFI topics. -PLT-trained educators are aware of SFI.	of SFI among 75% of facilitators. -Agendas of appropriate PLT workshops include SFI topics. -Post-workshop participant surveys show awareness of SFI.		
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--

Project Timeline

April 3, 2014: SFI approval of grant application

Spring-Summer 2014: PLT facilitator retreat and training, PLT workshops including *Walk in the Forest*, *Wildfires & Weeds*, *ForesTree & STEM* and *Forest to Faucet*.

Fall 2014: PLT workshops including *Walk in the Forest* and *Meeting Core Standards with PLT*

December 2014: Final reports and supporting documentation submitted to SFI.

Project Budget

Expenditure	SFI Grant Funds	Total Matching Funds	Source of Matching Funds	In-Kind Contributions	Source of In-kind Contributions	Total per expenditure category
<b>Operating Costs</b>						
Meetings	\$1500	\$2000	IFPC	\$300 Meeting facility	City of Boise	\$3800
Travel		\$4000	IFPC			\$4000
Education & Outreach	\$3500	\$33,537	IFPC	\$15,900 Volunteer time as presenters and facilitators, donated facilities, tours, materials and outreach	Schools; city, state and federal agencies; SFI members and other forest businesses; organizations such as SAF and Idaho Forest Owners Assn, Idaho SFI SIC*, and IFPC.	\$52,937
Communications		\$7450	IFPC			\$7450
<b>Total</b>	<b>\$5000</b>	<b>\$46,987</b>		<b>\$16,200</b>		<b>\$68,187</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

\*The ID SIC and SFI member companies are long-time supporters of PLT and other education programs of the Idaho Forest Products Commission, both financially and with volunteer time. We would like to increase SFI support through this Community Partnership Grant.

## INDIANA NATURAL RESOURCES TEACHER INSTITUTE SFI COMMUNITY GRANT APPLICATION

### Organization Information

Lead Organization Name and Address	Indiana Forestry Educational Foundation
Name, phone and email for Project Director	Donna Rogler 317-234-5143 drogler@dnr.IN.gov
Lead Organizational Mission Statement (25 words or less)	The Indiana Forestry Educational Foundation meets the challenges of the future through forestry educational programs, scholarships in forest management, and promoting responsible stewardship of our timberlands.
Lead Organization Annual Operating Budget	\$11,687.14
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Philip Wagner, IN DNR Division of Forestry, <a href="mailto:pwagner@dnr.IN.gov">pwagner@dnr.IN.gov</a> 317-232-4115 John Rowe, Cargo Services, Inc., <a href="mailto:jrowe@cargos.com">jrowe@cargos.com</a> , 317-244-9501

### Project Overview

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Indiana Natural Resource Teacher Institute	22 months	\$5000.00	\$41241.50	The Indiana Natural Resources Teacher Institute is a multi-day professional development workshop that will bring educators from across the state to Morgan-Monroe State Forest (SFI Certified) to learn firsthand how forestry works in Indiana. Sessions include tours of public and private forest lands, forest industry facilities, and forestry research projects.	The project will support SFI 2010-2014 Standard Objective 17: Community Involvement in the Practice of Sustainable Forestry, Objective 15: Forestry Research, Science, and Technology, and Standard Objective 18, Public Land Management Responsibilities. Aspects of the program address Performance Measures 17.2, 15.2, and 18.1, Indicator 2.

Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
Indiana DNR Division of Forestry	Donna Rogler, Indiana Project Learning Tree Coordinator	<a href="mailto:drogler@dnr.IN.gov">drogler@dnr.IN.gov</a> 317-234-5143 402 W Washington St. Room W296 Indianapolis, IN 46204	Individual – forester (BSF–Purdue; MS-SUNY-ESF), educator (MS-Syracuse University); involved in PLT 29 years; IN Coordinator 14 years; District Forester Organization – State of Indiana Forestry agency, manages 156,000 acres of SFI certified state forest land (Cert. # 6L841-SFI), provides management assistance to private landowners
Indiana Society of American Foresters	John Friedrich, Chair	<a href="mailto:jfriedrich@dnr.IN.gov">jfriedrich@dnr.IN.gov</a> 317-232-4118 402 W Washington St Rm W296 Indianapolis, IN 46204	Individual – professional forester (Univ of IL Urbana), Property Specialist Indiana DNR Division of Forestry, property accounting administration Organization – professional organization for Indiana foresters; affiliated with National Society of American Foresters
American Forest Foundation/Project Learning Tree	Kathy McGlaufin, Senior VP, Education	<a href="mailto:kmcglaufin@plt.org">kmcglaufin@plt.org</a> 202-765-3545 2000 M Street NW Suite 550 Washington, DC 20036	Individual – degrees in natural resource management and education; Director of PLT, national, 29 years Organization - The American Forest Foundation works on-the-ground with families, teachers, and elected officials to promote stewardship and protect our nation's forest heritage; Through its program Project Learning Tree®, The American Forest Foundation has provided one of the nations' widely-used environmental education curricula in America for over 35 years
Indiana Forest and Woodland Owners Association	Elizabeth Jackson, Executive Director	<a href="mailto:jackson@purdue.edu">jackson@purdue.edu</a> 765-583-3501 1007 North 725 West West Lafayette, IN 47906	Individual - BSF Purdue University, executive director of Indiana Forest and Woodland Owners Assoc. (10+ years); Engagement Specialist, Hardwood Tree Improvement and Regeneration Center Organization – nonprofit woodland owner organization that promotes good stewardship of Indiana woodlands, 650 members representing 125,000 acres of forest land
Indiana Hardwood Lumbermen's Association	Ray Moistner, Executive Director	<a href="mailto:raym@ihla.org">raym@ihla.org</a> 317-875-3660 1849 Broad Ripple Ave. Indianapolis, IN 46220	Individual – over 13 years as director of IHLA, dealing with industry issues, legislative issues, commerce and branding of Indiana wood products

			and association policies and positions Organization - trade organization comprised of sawmills, wholesale brokers, equipment vendors, secondary manufacturers, loggers, landowners and others who recognize the benefits of working together on issues and projects for the good of the hardwood industry
Hardwood Tree Improvement and Regeneration Center (HTIRC), Purdue University	Lenny Farlee, Extension Forester	<a href="mailto:lfarlee@purdue.edu">lfarlee@purdue.edu</a> 765-494-2153 Hardwood Tree Improvement and Regeneration Center Purdue University Department of Forestry and Natural Resources 715 West State Street West Lafayette, IN 47907	Individual – professional forester (Purdue Univ F&NR), extension forester, Purdue University Organization - collaborative regional research, development and technology transfer effort between industry, university, private, state and federal entities to advance tree improvement of central hardwoods for increased forest productivity in hardwood restoration and reforestation programs
Hardwood Ecosystem Experiment	Andrew Meier, HEE Project Coordinator	<a href="mailto:meiera@purdue.edu">meiera@purdue.edu</a> 765-494-1472 Purdue University Forestry and Natural Resources Pfundler Hall, Rm. G021B West Lafayette, IN 47907	Individual – BSF, Purdue University Organization – The Hardwood Ecosystem Experiment (HEE) is a long-term, large-scale experimental study of forest management and its impacts on plants and animals. Begun in 2006, the HEE is planned as a 100-year project

Project Details

1. *Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program.*

The Indiana Natural Resources Teacher Institute will provide Indiana teachers with a factual and scientific understanding of how both public and private forests lands are managed in the state, the products that are produced from Indiana hardwoods and a long-term research project being conducted on a state forest. Many of the field experiences will take place on Morgan-Monroe State Forest. Indiana's State Forests are certified through SFI (Certification # 6L841-SFI). Certification and the concept of sustainable forest management will be a central theme of the Institute. Teachers will be trained in Project Learning Tree to provide activities that will help teach these concepts to their students and conduct field exercises in forestry. Teachers will tour a sawmill, a veneer mill and a hardwood flooring manufacturer. Teachers will also participate in a research project of the Hardwood Ecosystem Experiment. One of the expectations is that Indiana's educators will become more aware of the impact the hardwood industry has on the state's economy. This project will support SFI 2010-2014 Standard Objective 17: Community Involvement in the Practice of Sustainable Forestry, Objective 15: Forestry Research, Science, and Technology, and Standard Objective 18, Public Land Management Responsibilities. Teachers will then be expected to develop a curriculum project to be implemented with their student in the Fall of 2014, thus sharing their learned knowledge and skills with their students. The IN NR Teacher Institute will be conducted annually.

2. *What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project?*

Articles discussing the outcomes of the IN NR Teacher Institute will be written for the Indiana Division of Forestry website, the Indiana DNR electronic education newsletter, partner newsletters and publications. A proposal will be submitted for sessions at conferences, including the Hoosier Association of Science Teachers, the Indiana Agriculture Educators, the Indiana Association for Career and Technical Education and the International Project Learning Tree Coordinators' Conference. Presentations will be made to partners' Boards of Directors meetings.

### 3. Project Goals

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Conduct Indiana Natural Resources Teacher Institute	Provide multi-day learning experience for 20 Indiana educators	20 educators will complete 3+ day resident program	90% of participants will rate the experience as very good to excellent	3980.00	28021.50
Educators will acquire knowledge, skills, and tools to effectively teach their students about forest ecology and sustainable forest management practices in Indiana.	Educators will be trained in Project Learning Tree curriculum.  Educators will be trained in proper use of basic forestry tools.  Educators will be able to set up a 0.1 acre forest study plot.  Educators will participate in a research project of the HEE.	20 educators will be trained in PLT PreK-8 and Secondary Modules.  Each educator will receive a kit of basic forestry tools.  Educators will demonstrate proficiency in setting up 0.1 acre circular and square plots given the proper tools.  Provides evidence of implementation of SFI Standard Objective 15: Forestry Research, Science, and Technology	Educators will incorporate PLT activities in their curriculum project.  Educators will use tools with their students and train them how to use the tools in activities of their project.  Teachers will have students set up a forest study plot on their school forest (where applicable).  Educators will be able to replicate selected research activities with their students.	1020.00	2500.00
Educators will be able to explain the scope and importance of Indiana's forest products industry.	Educators will tour a sawmill, veneer mill, and hardwood flooring manufacturer.	Provides evidence of implementation of Standard Objective 7: Efficient Use of Forest Resources	Educators will be able to diagram the process a tree follows from the forest to a finished product.		1500.00
Educators will be able to incorporate natural resources into their curriculum.	Educators will use what they have learned in the Institute to develop a curriculum project to be implemented with their students.	Written curriculum plan to be handed-in at end of Institute.	Educators will submit evidence that they have implemented curriculum project, (e.g., video showing students doing project)		4000.00

#### Project Timeline

Research and Planning: March – June 2013

Agenda & Budget Development: June – August 2013

Partners and Sponsors Identified: August – October 2013

Fundraising: September 2013 - present

Location and Field Sites Determined and secured: September 2013 – present

Promotion/Applications Available: February 2014 – present

Participants selected and notified: April 2014

IN NR Teacher Institute: June 16 – 20, 2014. All goals except for educators implementing project will be completed during the institute.

Teachers implement project in classroom: August – December 2014

Evaluation of Institute: July – December, 2014

Final Report: December 2014

Project Budget

Expenditure	SFI Grant Funds	Total Matching Funds	Source of Matching Funds	In-Kind Contributions	Source of In-kind Contributions	Total per expenditure category
<b>Operating Costs</b>						
Research Activities				220.00	IN DoF	220.00
Meetings						
Travel		1500.00	IFEF			1500.00
Education & Outreach	5000.00	600.00	IFEF	12904.00	IN DoF	38416.50
		750.00	IHLA	6100.00	HTIRC	
		2000.00	IFWOA	762.50	HEE	
		2500.00	ISAF	2300.00	Various	
		5500.00	AFF/PLT			
Communications		955.00	AFF/PLT	150.00	IN DoF	1105.00
<b>Total</b>	<b>5000.00</b>	<b>13805.00</b>		<b>22436.50</b>		<b>41241.50</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

IN DoF – Indiana Division of Forestry

IFEF – Indiana Forestry Educational Foundation

IHLA – Indiana Hardwood Lumbermen’s Association

IFWOA – Indiana Forestry and Woodland Owners Association

ISAF – Indiana Society of American Foresters

AFF/PLT – American Forest Foundation, Project Learning Tree

HTIRC – Hardwood Tree Improvement and Regeneration Center

HEE – Hardwood Ecosystem Experiment

**SFI Inc. Conservation & Community Partnerships Grant Program  
Guidance and Grant Application for Requests for  
Community-based projects \$5,000.00 or Less**

**Grant Application**

Organization Information

Lead Organization Name and Address	International Forestry Students' Symposium 2014 – Organizing Committee – UNBC  IFSA International Secretariat Tennenbacherstrasse 4 D - 79 106 Freiburg im Breisgau Germany  UBC Forestry revenue Canada Charitable registration number: <b>10816 1779 RR001</b>
Name, phone and email for Project Director	Nichola Gilbert, Co-Chair (250) 617-2870 <a href="mailto:nichola.gilbert@ifss2014.ca">nichola.gilbert@ifss2014.ca</a>
Lead Organizational Mission Statement (25 words or less)	The International Forestry Student Symposium educates international forestry students on sustainable forest management and practices from a local viewpoint to a global scale.
Lead Organization Annual Operating Budget	N/a
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners)	Dr. Kathy J. Lewis Professor and Program Chair of Ecosystem Science and Management at UNBC <a href="mailto:kathy.lewis@unbc.ca">kathy.lewis@unbc.ca</a> (250) 960-6659  Hugues Massicotte Professor at UNBC <a href="mailto:hugues.massicotte@unbc.ca">hugues.massicotte@unbc.ca</a> (250) 960-5813

Project Overview

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
UNBC - IFSS  (University of British Columbia portion of the International Forestry Student Symposium)	Thursday, August 14, 2014  to  Monday, August 17, 2014	\$5 000	Total: \$48 390  (from a total of \$164 294 for the entire Symposium)	Students will be educated on UNBC's BioEnergy Plant, sustainable harvests, ecosystems in central BC, First Nation's communities, wildlife, tourism and recreation and various other forestry values. They will get to visit a Forestry Museum, a White Sturgeon	<b>Objective 5. Management of Visual Quality and Recreational Benefits</b>  <b>Objective 6. Protection of Special Sites</b>  <b>Objective 7. Efficient Use of Forest Resources</b>

				Hatchery, and the John Prince Research Forest for demonstrations and hands-on experience.	<b>Objective 17. Community Involvement in the Practice of Sustainable Forestry</b>  <b>Objective 18: Public Land Management Responsibilities</b>
--	--	--	--	-------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------

Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
IFSS 2014 – UBC	Olivia Sanchez Badini Co-Chair	<a href="mailto:olivia.sanchez@ifss2014.ca">olivia.sanchez@ifss2014.ca</a> (778) 987-3911	5 <sup>th</sup> year in Natural Resources Conservation at UBC and Co-Chair of IFSS 2014-UBC
IFSS 2014 - TRU	Justin Jackson Co-Chair	<a href="mailto:justin.jackson@ifss2014.ca">justin.jackson@ifss2014.ca</a> (250) 682-0651	Natural Resource Student at TRU, President of IFSA-TRU Local Committee and Co-Chair of IFSS 2014- TRU

Project Details

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Enhance international forestry students knowledge on bioenergy in BC	UNBC's BioEnergy Plant tour	Visually get to see and ask questions on an industrial scale BioEnergy plant with UNBC's Energy Manager.	Understanding how 'wood waste' from mills can be used sustainably to create energy while diversifying forest industry and products.	\$ 0	\$ 0
Connecting with First Nation communities in the area	Having guest speakers and welcoming from First Nations  (Lheidli T'enneh and Tl'azt'en First Nations)	Students from various backgrounds will understand complexity and the forestry values in BC, with focus on First Nations, their values, and how they are becoming integral to sustainable forest development.	Creating long-term relationships with First Nation communities and having positive relationships with the forestry community. Opportunities for knowledge sharing, information sessions and learning opportunities for students and forest industry in the future.	\$ 2 000	\$ 5 000
BC's Forestry Values	JPRF active stations - wildlife habitat, tourism & recreation, and First Nations communities	To learn about forestry values in northern BC, including First Nation's values.	Using JPRF landscape and infrastructure as a site and source for education from small to large groups in the	\$ 3 000	\$ 5 000

			future.		
Learning about species at risk and management	Visit to White Sturgeon Hatchery in Vanderhoof	Understand the cumulative effects of disturbances and how to mitigate negative outcomes.	Understand the function and intrinsic values of nature and promote sustainable and responsible forestry to minimize negative effects.	\$ 0	\$ 1 000

Project Timeline

UNBC – IFSS 2014 Schedule

Thursday, August 14, 2014

- 1pm: Arrive UNBC/Lunch
  - Quick orientation of UNBC; Tour BioEnergy Plant
- 2pm- 5pm: 3<sup>rd</sup> Plenary Session of the 25<sup>th</sup> General Assembly of IFSA
- 5pm- 7pm: Free time
  - Walk to Forest For the World/ Shane Lake to demonstrate local nature
- 7pm: Welcome Dinner
  - Lheidli T'enneh First Nations Welcome
  - Sponsor Recognition and speeches from faculty/industry/MLAs

Friday, August 15<sup>th</sup>, 2014

- 9am: Leave for John Prince Research Forest (JPRF)
  - Show bear aware video on bus
- 11am: Arrive JPRF
  - Tl'azt'en First Nations Welcome
- 1pm -6pm: Stations demonstrating and educating on BC forestry values:
  - Wildlife Habitat
  - Tourism and recreation
  - First Nations community

Saturday August 16<sup>th</sup>, 2014

- 9am: Leave JPRF
- 10am: White Sturgeon Hatchery in Vanderhoof
- 1pm: Arrive in PG
- 1-3pm: Farmers Market & Forestry Museum
- 4-7pm: 4<sup>th</sup> Plenary Session of the 25<sup>th</sup> General Assembly of IFSA
- 8:00 pm: Dinner

Monday August 17<sup>th</sup> 2014

- 9am: Leave for Wells Grey

Project Budget

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
<b>Operating Costs</b>	\$ 0	\$ 25 000	Conifex Timber	Discount local meat products	Roger's Meats - PG	\$ 25 000
Research Activities	N/a	N/a	N/a	N/a	N/a	N/a
Meetings	\$ 0			Free event space	NUGSS & UNBC Forestry Club	\$ 5 740
Travel	\$ 0	\$ 1 000	Royal Bank of Canada			\$ 9 450
Education & Outreach	\$ 5 000	\$ 1 000 \$ 1 000 \$ 1 000	KFM All-West Glass ABCFP	Discount housing, kitchen staff, and educators	John Prince Research Forest	\$ 8 000
Communications	\$ 0	\$ 0	N/a	Discount Printing	Papyrus Printing	\$ 200
<b>Total</b>	<b>\$ 5 000</b>	<b>\$ 29 000</b>				<b>\$ 48 390</b>

Organization Information

Lead Organization Name and Address	MD-DE SFI Implementation Committee
Name, phone and email for Project Director	Ken Roberts, <a href="mailto:kenneth.roberts@newpagecorp.com">kenneth.roberts@newpagecorp.com</a> , 301-359-0894
Lead Organizational Mission Statement (25 words or less)	Maryland / Delaware SFI Implementation Committee (the "SIC") is to provide oversight and administration of the SFI of Maryland and Delaware, as directed by SFI Inc.
Lead Organization Annual Operating Budget	\$21,700
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	<ol style="list-style-type: none"> <li>1. Robert Feldt, Chair, MD-DE Society of American Foresters, <a href="mailto:rfeldt@dnr.state.md.us">rfeldt@dnr.state.md.us</a>, 410-260-8529</li> <li>2. Jim Bardsley, Maryland Association of Forest Conservancy District Boards <a href="mailto:maryland_iron@yahoo.com">maryland_iron@yahoo.com</a>, 410-553-0525</li> </ol>

Project Overview

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))

Sustainable Forests Landowner Information Project	8 months	\$5,000	\$7000	Promote sustainable forestry practices to forest landowners through the creation and distribution of readily available, diverse sources of information on these practices.	17.1.2 - the development of educational materials for use with forest landowners 17.1.3 - information materials that provide forest landowners with practical approaches for addressing special sites and biological diversity issues, such as invasive exotic plants and animals, specific wildlife habitat, Forests with Exceptional Conservation Value, and threatened and endangered species. 8.1.1 – supply regionally appropriate information or services (e.g. information packets, websites, newsletters, workshops, tours, etc.) to forest landowners.
---------------------------------------------------	----------	---------	--------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
----------------------------------------------------------	------------------------------	---------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------

MD Dept of Natural Resources (DNR)	Jack Perdue, Forest Resource Planning	<a href="mailto:jperdue@dnr.state.md.us">jperdue@dnr.state.md.us</a> 410-260-8505 580 Taylor Avenue Annapolis, MD 21401	MD DNR Forest Service has over 200,000 acres certified by SFI. It works directly with forest landowners and cooperative organizations to promote and implement sustainable forestry practices.

Project Details

Please provide answers to the following questions to describe your project.

1. Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program.

The objective of this project is, that when forest landowners are looking for information regarding the management of their forests including harvesting, it should be easy to find, readily available, in a format that is easy to navigate, easy to distribute, duplicate and maintain, the message is easy to remember and offers a common thread regardless of the method of delivery. And there should be multiple methods of delivery as the Family Forest Owners (2006) survey discovered when private forest landowners were asked about their information sources, "It is clear that there is no single preference for all owners and many owners are interested in multiple methods."

This multi-source approach will include an information packet briefly covering such topics as: Best Management Practices, Forest Landowner Incentives, Logging Aesthetics, Healthy Industry/Healthy Forest, Master Logger Program, Reforestation, Invasive Species, Advantages of the SFI program, Wildlife, The Benefits of Using a Professional Forester and Imperiled Species.

The information packet will be used to give to forest landowners at introductory meetings and at public meetings, presentations.

A website will be developed to compliment this printed information and expand it into an interactive source of information for forest landowners seeking greater knowledge topics relating to forest management, forest harvesting and certification systems. There can be links to state forest agencies, SFI, American Tree Farm System and other appropriate web addresses.

A third tool will be developed and utilized, the information quick-card. This card, the size of a business card, will be a tool that simply will inform landowners in how to contact the SIC, the state tree farm committees, state forestry agencies, and how to access the program website, all to find more information and take the next step. The quick-card concept is one that is easy to create, update, distribute and can easily supplement other information tools. It is affordable and is easy for the landowner to keep and store for future access. The quick-card can be given out with landowner workshops, conferences, forestry and soil conservation district offices, as attachments to forest management plans and many other forums and vehicles.

2. What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project?

Many of the sustainable forestry programs in Maryland and Delaware involve a diverse pool of agencies, organizations and individuals. The state agencies of Maryland and Delaware have been working cooperatively for years in the development of the Master Logger Program and SIC activities. This will be a collaborative effort, offering design concepts, oversight with the contractor, working with printing companies. The promotion and distribution of this information will involve all of these groups. Similar material has been developed before but not to the extent of having an interactive website and project business cards to accompany the organized message of sustainable forest management.

3. In the table below, please list the goals for your project. For each goal, please describe: the actions you will take to achieve your goal; the corresponding tangible outcomes (e.g. provide implementation guidance on a component of the SFI Standard, landowners reached through education programs, acres positively affected by the Project); the means by which you will measure success in achieving each goal, and; the portion of the requested grant funds that would be used to achieve the goal. Add rows as needed to address all project goals.

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Development of landowner information packet	Contract with design company to develop concept and product	Landowner packet is printed.	Packet is printed and distributed to SIC cooperatives, consulting foresters, state forest agencies, Soil Conservation Districts, University of MD Coop Extension	\$3,000	\$5,000
Development of project information cards	Contract with design company to develop concept and product	Landowner info quick-cards are printed.	Landowner info cards are a means of getting quick, affordable and consistent information about the project into the hands of landowners.	\$500	\$0
Development of landowner information website	Contract with web development company to develop website concept, coding and launch.	Website is launched.	Parallel website is developed mirroring the packet information but also extending the awareness through downloadable documents, links to other learning websites, expanded images, contact sources.	\$1,500	\$2000

### Project Timeline

April 2014 - project begins with grant announcements

May - project development begins, SIC meets to develop packet, website and quick-cards concepts,

June - project concepts are finalized and printing contractors are conceited for bids. Contractor selected.

July-August - work with printer for final packet and quick-card products.

August - work with web designer/developer for website to mirror and expand landowner packet information topics.

August-October - work with web developer on final components and launch website.

October-December 2014 - promote landowner packet and website. Draft and submit grant report.

### Project Budget

Expenditure	SFI Grant Funds	Total Matching Funds	Source of Matching Funds	In-Kind Contributions	Source of In-kind Contributions	Total per expenditure category
<b>Operating Costs</b>						
Research Activities						
Meetings						
Travel						
Education & Outreach	\$5000			\$7000	\$6000 SIC \$1000 DNR	\$12000
Communications						
<b>Total</b>	\$5000			\$7000		\$12000

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

Agreement to Public Communications

Agreement to Public  
Communications.doc

I, **Jack Perdue, Forest Resource Planning**, as a representative of **MD DNR Forest Service** and a Partner in **Forest Landowner Information Packet**, hereby give the Sustainable Forestry Initiative® (SFI), Inc. permission to use my name, the organization name as written above, and any other information about the Project in public communications regarding the Project.

I understand that public communications include, but are not limited to:

- Press releases and announcements regarding the SFI® Inc. Conservation and Community Partnerships Grant Program.
- Public presentations, fact sheets, briefing notes and other communication materials that highlight successful Projects and the SFI Inc. Conservation and Community Partnerships Grant Program.
- Use of the Organization logo on the SFI Inc. website, on news releases or other materials.
- Other materials as appropriate.

SFI Inc. will not attribute quotes or opinions to my organization without permission.

With my signature below, I attest that, to the best of my knowledge, the information provided in this application is true and accurate, and I am authorized by **MD DNR Forest Service** to sign this agreement.

Signed,

Jack L. Perdue (digital signature)

Name

Program Manager, Forest Resource Planning

Title

**Organization Information**

Lead Organization Name and Address	MD-DE SFI Implementation Committee
Name, phone and email for Project Director	Ken Roberts, <a href="mailto:kenneth.roberts@newpagecorp.com">kenneth.roberts@newpagecorp.com</a> , 301-359-0894
Lead Organizational Mission Statement (25 words or less)	Maryland / Delaware SFI Implementation Committee (the "SIC") is to provide oversight and administration of the SFI Program within the States of Maryland and Delaware, as directed by SFI Inc.
Lead Organization Annual Operating Budget	\$21,700
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	<ol style="list-style-type: none"> <li>1. Robert Feldt, Chair, MD-DE Society of American Foresters, <a href="mailto:rfeldt@dnr.state.md.us">rfeldt@dnr.state.md.us</a>, 410-260-8529</li> <li>2. Jim Bardsley, Maryland Association of Forest Conservancy District Boards <a href="mailto:maryland_iron@yahoo.com">maryland_iron@yahoo.com</a>, 410-553-0525</li> </ol>

**Project Overview**

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Maryland - Delaware Master Logger Program Information and Promotion	8 months	\$5,000	\$7000	Promote sustainable forestry practices to forest landowners and loggers through the creation and distribution of readily available, diverse sources of information on Maryland-Delaware Master Logger Program and these principles.	<p>17.1.2 - the development of educational materials for use with forest landowners</p> <p>8.1.1 – supply regionally appropriate information or services (e.g. information packets, websites, newsletters, workshops, tours, etc.) to forest landowners.</p> <p>9.1.1 - Program to promote the use of certified logging professionals (where available), qualified resource professionals and qualified logging professionals.</p>

--	--	--	--	--	--

Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
MD Dept of Natural Resources (DNR)	Jack Perdue, Forest Resource Planning	<a href="mailto:jperdue@dnr.state.md.us">jperdue@dnr.state.md.us</a> 410-260-8505 580 Taylor Avenue Annapolis, MD 21401	MD DNR Forest Service has over 200,000 acres certified by SFI. It works directly with forest landowners and cooperative organizations to promote and implement sustainable forestry practices.

Project Details

*Please provide answers to the following questions to describe your project.*

- Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program.*

The objective of this project is, that when forest landowners are looking for good information on choosing a logger to harvest their timber, it should be easy to find, readily available, in a format that is easy to navigate, easy to distribute, duplicate and maintain, the message is easy to remember and offers a common thread regardless of the method of delivery. The Maryland-Delaware SIC is the primary sponsor of the MD-DE Master Logger Program (MDMLP), that utilizes the interest, talents, and energy of a variety of state agency, forest industry and educational groups. MDMLP has been effective for many years in providing the logging industry with training and information necessary to staying compliant with Federal and State regulations, plus sustainable forest management practices. The MDMLP administrators and MD-DE SIC want to better promote the Master Loggers and companies (that invest their time and money in this training) to forest landowners when they choose who will harvest their timber and be stewards of the efforts they have put into managing their forest lands. In Maryland, this program has been success in developing the policy that only Master Loggers are allowed to bid and harvest Maryland DNR State Forest timber sales. While this effort is not looking to make use of Master Loggers on private forest lands a requirement, its purpose is to expand knowledge of the program and access to Master Loggers more readily available.

This project will develop a MDMLP brochure that will describe the program, the training that is required to become and maintain Master Logger status and how to contact companies that are Master Loggers. The brochure can be given to forest landowners at public agency offices, meetings, workshops, downloaded and available upon request.

A website will be developed to compliment this printed information and expand into an interactive source of information for forest landowners seeking greater knowledge topics relating to the MDMLP and how to find and contact one in their area. The MDMLP database will become available online for landowners to search for Master Loggers in their area.

A third tool will be developed and utilized, the information quick-card. This card, the size of a business card, will be a tool that simply will information landowners in how to contact the SIC, state forestry agencies, and how to access the MDMLP website, all to find more information and take the next step. The quick-card concept is one that is easy to create, update, distribute and can easily supplement other information tools. It is affordable and is easy for the landowner to keep and store for future access. The quick-card can be given out with landowner workshops,

conferences, forestry and soil conservation district offices, as attachments to forest management plans and many other forums and vehicles.

2. *What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project?*

The MDMLP involves a diverse pool of agencies, organizations and individuals from Maryland and Delaware. This team has been working cooperatively for years in the development of the Master Logger Program and SIC activities. This will be a collaborative effort, offering design concepts, oversight with the contractors, working with printing companies. The promotion and distribution of this information will involve all of these groups.

3. *In the table below, please list the goals for your project. For each goal, please describe: the actions you will take to achieve your goal; the corresponding tangible outcomes (e.g. provide implementation guidance on a component of the SFI Standard, landowners reached through education programs, acres positively affected by the Project); the means by which you will measure success in achieving each goal, and; the portion of the requested grant funds that would be used to achieve the goal. Add rows as needed to address all project goals.*

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
Development of MDMLP brochure	Contract with design company to develop concept and product	Brochure is printed.	Brochure is printed and distributed to SIC cooperatives, consulting foresters, state forest agencies, Soil Conservation Districts, University of MD Coop Extension	\$2,500	\$5,000
Development of project information cards	Contract with design company to develop concept and product	MDMLP info quick-cards are printed.	MDMLP quick-cards are a means of delivering a basic message quickly, affordably and consistently "If you want info on harvesting your forest, start here". It will display state agency contact info and the MDMLP web address.	\$500	\$0
Development of MDMLP website	Contract with web development company to develop website concept, coding and launch.	Website is launched.	Parallel website is developed mirroring the packet information but also a searchable MDMLP database, plus extending the awareness through downloadable documents, links to other learning websites, expanded	\$2000	\$2000

			images, contact sources.		
--	--	--	--------------------------	--	--

Project Timeline

*April 2014 - project begins with grant announcements*

*May - project development begins, SIC meets to develop brochure, website and quick-cards concepts,*

*June - project concepts are finalized and printing contractors are conceited for bids. Contractor selected.*

*July-August - work with printer for final brochure and quick-card products.*

*August - work with web designer/developer for website to mirror and expand the MDMLP brochure information topics and format the MDMLP database into a format that can be made available and queried online.*

*August-October - work with web developer on final components and launch website.*

*October-December 2014 - promote landowner packet and website. Draft and submit grant report.*

Project Budget

Expenditure	SFI Grant Funds	Total Matching Funds	Source of Matching Funds	In-Kind Contributions	Source of In-kind Contributions	Total per expenditure category
Operating Costs						
Research Activities						
Meetings						
Travel						
Education & Outreach	\$5000			\$7000	\$6000 SIC \$1000 DNR	\$12000
Communications						
Total	\$5000			\$7000		\$12000

Agreement to Public Communications

Agreement to Public Communications.doc

I, **Jack Perdue, Forest Resource Planning**, as a representative of **MD DNR Forest Service** and a Partner in **Forest Landowner Information Packet**, hereby give the Sustainable Forestry Initiative® (SFI), Inc. permission to use my name, the organization name as written above, and any other information about the Project in public communications regarding the Project.

I understand that public communications include, but are not limited to:

**Conservation and Community Partnerships Grant Program  
Application for a Community based Grant**

**Sustainability for the Future**

**Lead Organization:**

Massey-Vanier High School  
224, rue Mercier  
Cowansville, Quebec, Canada  
J2K 5C3

**Project Director:**

Kyle Foster – Woodworking / Shop Technology Teacher, Massey-Vanier High School  
450-263-3772 (work)  
450-955-3316 (home)  
[kylefoster79@hotmail.com](mailto:kylefoster79@hotmail.com) (personal)  
[fosterk@ped.etsb.qc.ca](mailto:fosterk@ped.etsb.qc.ca) (work)

**Lead Organizational Mission Statement:**

Building the knowledge for a sustainable future.

**Lead Organization Annual Operating Budget:** \$300,000 +/-

**References**

Tom Hamer - Principal, Massey-Vanier High School  
[hamert@etsb.qc.ca](mailto:hamert@etsb.qc.ca)  
450-263-3772

Danny Karch  
National Director Market Access & Green Building  
Sustainable Forestry Initiative (SFI)  
91 Lakeside Rd. suite 6, Knowlton, QC, J0E 1V0  
[danny.karch@sfi-program.org](mailto:danny.karch@sfi-program.org)  
450-242-1233

**Total Length of time for completion of project:**

There is no set completion date. A unit on sustainability will be incorporated into the Shop Technology Program along with a work program. This unit will be taught to students year after year and the work program will be part of their learning experience.

**Amount Requested from SFI:** \$5,000.00

**Total Project Budget:** \$17,000+/- (school contribution)

## **Brief Project Summary**

In the classroom students will be taught a unit on sustainability based upon the standards of the SFI. Students will participate in a work program that will include: tree planting and care; small-scale logging and cleaning of wooded areas around the school campus; creation of recreational pathways for fellow students and members of the community to enjoy; and the building of infrastructures to enhance wildlife habitats and promote the health of native species.

### **What element(s) of the SFI 2010-2014 Program are addressed by your Project?**

Objective 4: Conservation of Biological Diversity (4.1)

Objective 5: Management of Visual Quality and Recreational Benefits (5.4)

Objective 16: Training and Education (16.2)

Objective 17: Community Involvement (17.2)

### **Confirmed Project Partners and their Qualifications**

Cameron Gagnon - owner & operator  
Public Woodworking  
102 rue Dean, Cowansville, Quebec J2K 3Y3  
[www.publicwoodworking.com](http://www.publicwoodworking.com)  
Tel: 450-263-0916

Public Woodworking is a complete woodshop that is open to those people in the community who have a desire to create but not the means to do so at home. Along with the opportunity to experience working with a variety of tools, Public Woodworking offers courses teaching how to properly and safely use these tools in the shop. Owner and operator Cameron Gagnon is a graduate of Massey-Vanier and began working with wood shortly after. He has mastered the skills of chainsaw carving and cabinetry. He currently provides an opportunity for students from Massey-Vanier to work in the shop as part of a work program offered by the school, allowing him to continue his work with students and promote learning within the community.

Justin Manasc, F. Eng. – President and owner  
FOR-ÉCO  
560A Knowlton Rd., Knowlton, Quebec J0E 1V0  
[www.foreco.ca](http://www.foreco.ca)  
Tel: 450-242-1366

FOR-ÉCO is a consulting and contracting company with 23 years of experience offering professional and technical forest management services to landowners in the Eastern Townships. Justin Manasc will advise on sustainable approaches to small-scale forest management, in a framework accessible to high school students. He will collaborate with the Project Director to identify forest sites and to plan silvicultural interventions aimed at applying learned skills and principles of ecological sustainability.

## **Project Details**

Students will gain knowledge of sustainable practices by being taught a curriculum based upon certain objectives of the SFI program. Accompanying this curriculum is a Work Program designed to give the students an opportunity to put what they have learned in the classroom into practice. Students will graduate from Massey-Vanier with some background knowledge of sustainable practices. In turn, as these graduates become members of their communities they will implement their knowledge of sustainability, passing it along to their family and friends. The longer this project runs will result in more students graduating with knowledge of sustainability to benefit themselves and their communities. Since high school is made up of students from many different communities, this project will not just affect one community but several, in the present and the future.

In the classroom students will build their knowledge on sustainability through a unit based upon the objectives of SFI. Objectives to be included are:

- Forest management planning;
- Forest productivity;
- Protection and maintenance of water resources;
- Conservation of biological diversity, including forests with exceptional conservation values and efficient use of forest resources.

Two or three lesson of 75 minutes each will be dedicated to teaching each objective. The remaining classes will permit students to participate in a work program designed to incorporate their class work into a meaningful, real-life experience. The Massey-Vanier campus includes roughly 33 acres of woods. With the help of a Forest Engineer, students will learn to clean the woods of undesirable trees and debris. They will create walking paths for other students and members of the community to enjoy. Students will transplant trees, make birdhouses and duck boxes to help attract wildlife back to area and build picnic tables to be placed around campus. Students will have the opportunity to participate in field trips to an arboretum and to a sawmill.

### **Project Goals**

1. Build a level of knowledge and create awareness that allows students to take responsibility and a leadership role in relation to sustainability of the environment at school and in their community.
2. Create a favorable forested environment where native wildlife is present and abundant and a place that can be used recreationally by students of Massey-Vanier and the surrounding community.

### **Actions**

1. We will create a unit on sustainability based on specific objectives of SFI.
2. With the help of a Forest Engineer, a Work Program will be created that will allow students to put into practice what they learn in the classroom.
3. Students will construct birdhouses, duck boxes and picnic tables.

### **Tangible Outcomes**

The unit on sustainable practices based upon SFI objectives is what will be the guiding factor through the chosen SFI objectives. The learning will be reinforced with actual experience. There are 33 acres of woods on the school grounds that will be affected by this project.

### **Measure Success**

To measure the success of the project within the classroom students will be evaluated through quizzes and tests. Outside of the classroom success will be measured through the hard work and dedication of the students who participate in the course.

### **Grant Funds**

A portion of the grant funds from SFI will go towards the purchasing of certified wood products to be used in the making of birdhouses, duck boxes and picnic tables. As well as to continually source SFI certified wood products for future class projects. Another portion will be put towards creating a unit and purchasing educational resources for the project. For the remaining portion of the grant we would like to purchase new machines that are desperately needed in the shop.

### **Project Timeline**

This project is something the school would like to see continue year after year within the shop technology program. As for a specific timeline there will be 20 classes dedicated to the project at the beginning of the school year. This project will run from September to early November (Term 1). Out of those 20 classes roughly half will be assigned to classroom learning with the remaining half being spent working outside applying the classroom knowledge. Creation of a sustainability unit will begin in late spring and continue through the summer, being completed before the beginning of the 2014-2015 school year. Designing the work program will begin in the spring with a walk through of the wooded areas on campus by the forest engineer. The forest engineer and the project director will collaborate together to create a detailed procedure and outline to be followed. Designing of the work program will also be completed prior to the beginning of the 2014-2015 school year.

**Project Budget**

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds (School contribution)</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-Kind Contributions</b>	<b>Total Expenditure Category</b>
Salary and Benefits		7200\$ (project director salary)				7200\$
Operating Costs	0	5000\$	0	0	0	5000\$
Research Activities	4000\$ - (New machines, certified wood for picnic tables, bird & duck houses)	2800\$	0	0	0	6800\$
Travel, Disbursements	0	1500\$	0	0	0	1500\$
Education & Outreach	1000\$ - (Creation of a unit and purchase educational resources)	500\$	0	0	0	1500\$
<b>Total</b>	<b>5000\$</b>	<b>17000\$</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22000\$</b>

**The South Carolina Teachers' Tour: Teaching Sustainable Forestry through Environmental Education**  
 Application for SFI Inc., Conservation & Community Partnerships Grant, Community-based Projects \$5,000 or Less

Organization Information

Lead Organization Name and Address	South Carolina Forestry Foundation 4901 Broad River Road PO Box 21303, Columbia, SC 29221
Name, phone and email for Project Director	Guy Sabin, 803-798-4170, gsabin@scforestry.org
Lead Organizational Mission Statement (25 words or less)	A 501c(3) organization which serves as the education, conservation, and research arm of SC Forestry Association; encouraging management, utilization, and conservation of forest resources.
Lead Organization Annual Operating Budget	\$135,000
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Dr. Walt McPhail Past Chairman of the SCFA and Co-Chair of the SC Tree Farm Committee Treevetsc@aol.com  Mr. Joey Ferguson Resource Management Services, LLC/SCFA Chairman/ jferguson@resourcegmt.com

Project Overview

Project Title	Total Length of time for completion of project (	Amount Requested from SFI	Total Project Budget	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
SC Teachers' Tour: Teaching Sustainable Forestry through Environmental Education	8 months	\$5,000	\$28,400	A seven-day graduate-level course for teachers to understand the impact of forestry on our environment, economy, and quality of life with classroom applications; featuring information on sustainable forestry practices and the SFI Standard, with visits to a wide range of forest management and forest products manufacturing sites.	The Teacher' Tour primarily addresses Objective 17 by supporting education to promote sustainable forestry. Individual speakers and tour stops will cover a range of topics applicable to nearly all SFI Program Objectives and how they are applied by SFI Program participants. For example, speakers on water quality, invasive species, special sites, endangered species, and public land responsibilities will address Objectives 3,4,5,6,11,15, and 18. Visits with private and industrial forest lands and mills will include discussions of forest management, logging, and procurement practices as in Objectives 1,2,7,8,9,10, 12, 13, 14, 16, 19, and 20.

Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)
SC SFI Implementing Committee	Tom Merriman	Georgia-Pacific Corp. 288 G-P Blvd. Prosperity, SC 29127 (803) 364-3470 tdmerrim@gapac.com	The S.C. SFI State Implementing Committee promotes the objectives of the SFI Program.
SC Forestry Association	Cam Crawford	PO Box 21303 Columbia, SC 29221 (803) 798-4170 ccrawford@scforestry.org	The South Carolina Forestry Association (SCFA) is a private, non-profit organization of individuals and companies dedicated to forest conservation and the sustainable use of natural resources.
SC Tree Farm Committee	George Kessler	4008 Six Mile Hwy Central, SC 29630 (864) 868-9487 gksslr@clemson.edu	The SC Tree Farm Committee is committed to sustaining forests, watersheds and healthy habitats through the power of private stewardship and increasing public understanding of all benefits of productive forestry.
SC Timbers Producers Association	Crad Jaynes	PO Box 811 Lexington, SC 29071 (803) 957-9919 bcjpaw@windstream.net	The Mission of the South Carolina Timber Producers Association is to serve as the voice for timber harvesting and allied timber businesses to advance the ability of its members to professionally, ethically, efficiently, safely, environmentally and profitably harvest, produce and transport timber to meet supply demands of our state.
South Carolina Forestry Commission	Mike Shealy	5500 Broad River Rd. Columbia, SC 29212 (803) 896-8832 mshealy@scfc.gov	The mission of the South Carolina Forestry Commission is to protect, promote, enhance, and nurture the forest lands of South Carolina in a manner consistent with achieving the greatest good for its citizens.

Project Details

1. The S.C. Teachers’ Tour is a 7-day intensive environmental education workshop and tour of forests and forest industry in South Carolina. The purpose of the entire 7-day class is to provide an unbiased look into the impact sustainable forestry has on our state’s economy, environment, and quality of life, and to equip teachers to take that knowledge into the classroom.

Teachers gain the knowledge and experiences necessary to effectively teach and discuss forests issues that affect our state. Along with this are a vast variety of resource materials that are useful in their classrooms. Resources include DVDs, posters, books and technical manuals, literature, teacher packets describing various industries, and a notebook full of valuable facts, articles, and other data pertaining to forestry and forest issues. Teachers are also furnished with a list of contacts they can use to arrange for foresters and other professionals to visit their classes or arrange field trips during the school year. Teachers will also receive training in Project Learning Tree, an award winning activity-based multi -disciplinary environmental education curriculum designed to teach critical thinking and problem solving skills.

2. During the first 3 days of the tour, teachers are trained in the use of Project Learning Tree materials and learn from forest industry professionals about current forest issues and sustainable forest management practices. The last four days put the “tour” in the Teacher’s Tour. The tour will take teachers to various forest product mills including paper, solid wood, and engineered products, publicly and privately owned forests, special sites, and forest harvesting operations.

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind/ Mathing Funds
Goal 1: Using the Sustainable Forestry Initiative (SFI) standards, participants will recognize the importance of sustainable forestry practices.	<ul style="list-style-type: none"> <li>• Guest speakers from the SC Forestry Commission, SC Timber Producers Association, SC Tree Farm, and SC SFI Committee.</li> <li>• Tour visits to various forestland demonstrations, thinning operations and wood processing facilities.</li> </ul>	Participants will view sustainable forestry practices and the SFI Program as environmentally sound practices and gain knowledge of forest management, operations, and manufacturing.	Participants will recognize and communicate the importance of the environmental benefits of the SFI program through written and oral evaluations.(85% - 100% mastery required)	\$2000 transportation	
Goal 2: Participants will incorporate a positive view of forestry in their classrooms based	<ul style="list-style-type: none"> <li>• Guest speakers and tour visits as described above.</li> <li>• Project Learning Tree activities</li> <li>• Applications of books,</li> </ul>	Participants will speak positively about forestry and the SFI program and recognize bias concerning poor forestry practices	Participants taking the class for graduate credit will complete lesson plans and a unit plan incorporating sustainable forestry.	\$3000 materials, supplies, etc.	

upon their knowledge and experience of sustainable forestry practices.	videos, DVD's and other materials related to forestry received during the course.	and/or incorrect information concerning forestry.	Participants will utilize the educational materials from the class in their classroom curriculum. (75% - 95% of participants)		
------------------------------------------------------------------------	-----------------------------------------------------------------------------------	---------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------	--	--

Project Timeline

January, 2014

- Develop agenda; begin arranging Tour site visits and speakers
- Begin advertising the Tour through contact with school districts and teachers; update course applications and website with new information

February

- Obtain approval for 3 hours graduate credit from College of Charleston;
- Continue arranging site visits and speakers
- Receive applications from teachers
- Solicit contributions and in-kind funding

April/May

- Preliminary deadline of April 15 is reached for applications. Participants are asked to submit teaching credentials, complete college enrollment and pay necessary fees, and complete confirmations including pre-course questions about forestry.

June

- All participant applications finalized. Final letters are sent to participants with directions and information of the course and agenda.
- June 19 to 21 the Advanced Environmental Workshop is conducted at Harbison State Forest in Columbia, SC.
- June 25 to 28 the Tour of forestland and wood manufacturing facilities is conducted.
- June 28 final evaluations are turned into the class.

July

- Final classwork is turned into professor and graded.
- Articles are written and distributed in forestry publications and newspapers.

Fall – Winter

- Websites are updated of pictures of course, agenda, etc.
- Advertising and brochures are distributed in educational conferences throughout the state.
- Steering Committee meets and plans for next year's Teachers' Tour.

Project Budget

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
Staff				\$4,000	SC Forestry Foundation/SC Forestry Commission/other partners	\$4,000
<b>Operating Costs</b>						
Meetings				\$1,800	SC Forestry Foundation	\$1,800
Travel	\$2,000	\$1,000	SC Forestry Foundation			\$3,000
Lodging		\$8,500	SC Forestry Foundation			\$8,500
Education materials and supplies	\$3,000					\$3,000
Meals, food, beverages		\$4,300	SC Forestry Foundation	\$3,800	Santee Cooper, SC Tree Farm, Georgia-Pacific, Cox Industries, Assn. of Consulting Foresters, SAF, and other contributors	\$8,100
<b>Total</b>	<b>\$5,000</b>	<b>\$13,800</b>		<b>\$9,600</b>		<b>\$28,400</b>

SC Forestry Foundation funding represents contributions from the SC SFI Committee, SC Tree Farm, Society of American Foresters, International Paper, Georgia-Pacific, Norbord SC, AgSouth Farm Credit, and other individual contributors.

**SFI Inc. Conservation & Community Partnerships Grant Program  
Guidance and Grant Application for Requests for  
Community-based projects \$5,000.00 or Less**

**Grant Application Template**

*Application Requirements*

- *Proposals must follow this application format.*
- *Applications cannot be longer than 5 pages (Project Partner signed agreements and Lead Organization proof of non-profit status do not count towards the 5 page maximum).*
- *You may delete all text preceding this section and any text in italics throughout the application.*

**Organization Information**

*Applicants must submit proof of tax-exempt status with this application.*

Lead Organization Name and Address	Southern Forest World Environmental Center 1440 N. Augusta Avenue Waycross, GA 31503
Name, phone and email for Project Director	Dr. Reba Smith Executive Director 912-285-4056 (SFW) 912-614-6012 (cell) <a href="mailto:southernforestworld@gmail.com">southernforestworld@gmail.com</a>
Lead Organizational Mission Statement (25 words or less)	To increase the knowledge of our citizens about the importance of good forest management and how forests and their products impact Georgia's economy.
Lead Organization Annual Operating Budget	Southern Forest World's annual operating budget is between \$50,000 and \$68,000
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Mrs. Jay (Dotty) Porter of Sessoms Timber <a href="mailto:dotty@sentrydatamgt.com">dotty@sentrydatamgt.com</a> (912) 449-8524  Chief Ranger Thomas Whitley of the Georgia Forestry Commission <a href="mailto:whitley@gfc.state.ga.us">whitley@gfc.state.ga.us</a> (912) 338-5967

**Project Overview**

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Spreading the word about Georgia's sustainable forests (Both Directors are trained in Project Learning Tree. Reba Smith also completed the training for the PLT Train-the-Trainer.)	12 months from January 1, 2014 to December 31, 2014	\$5,000	\$53,580	To allow SFW to continue providing quality programs and field trips for area students and community members. Last year over 770 community members and over 900 students come to SFW. We discuss good forest management practices, the sustainability of the forest, its products, and its economic impact for Georgia.	Objective 17 Community Involvement in the Practice of Sustainable Forestry

**Project Partners**

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (150 words or less per partner)

**Project Details**

*Please provide answers to the following questions to describe your project.*

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
To continue to provide quality programs and field trips for students, community members and visitors to SFW.	Lisa Durrence and Reba Smith meet (virtually or face-to-face) with groups scheduling field trips and/or meetings to SFW.	Teacher, student, parent, community member and visitor satisfaction with their visit to SFW.	Success will be measured by: A. Increase in number of field trips B. Increase in number of community meetings C. Increase in number of visitors to SFW D. Increase in number of visits to our Facebook and/or website	\$5,000	\$48,580
	Lisa and Reba in conjunction with the lead group organizer plan activities which correlate to the state standards (for K-12 students). Many of these activities are from the Project Learning Tree program and others are from Projects WILD and WET.				

**Project Timeline**

*Please provide a timeline for completion of the project. Projects must be completed within 2014. The timeline should reflect when you will deliver upon the goals and outcomes as outlined above.*

Event	Date
Field Trips for K-12 students	January 1, 2014 – December 31, 2014
Programs for community groups	January 1, 2014 – December 31, 2014
Programs for civic groups	January 1, 2014 – December 31, 2014
Assist with SFW visitors	January 1, 2014 – December 31, 2014

**Project Budget**

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
<b>Operating Costs</b>		\$3,000	Campbell Group			<b>\$35,000</b>
		\$12,800	Memberships			
		\$2,100	Admissions			
		\$13,500	Donations			
		\$3,600	Student Programs			
Research Activities						\$0
Meetings	\$2000	\$1600	Building Rental	\$1650	Reba Smith and Lisa Durrence (approximately 5 hours per meeting [each employee] That would be 75 hours each at \$11.00 an hour for a total of \$1650.	<b>\$5,250</b>
Travel						<b>\$0</b>
Education & Outreach	\$3,000	\$2,500	Rayonier Grant (applied for 2014) will be used for creating a coloring book for SFW depicting the history and influence of forestry.	\$4,950	Salary for Reba and Lisa for 15 hours field trip/program (includes the hours for actual trip, planning, program creations, copying, etc)	<b>\$10,450</b>
Communications		\$1600	Gift Shop			<b>\$2880 (total)</b>  \$840 (internet/phone) \$1500 (brochures/stationery/newsletter) \$490 (stamps) \$50 web hosting
		\$1280	Gifts (made to collection box)			
<b>Total</b>	<b>\$5,000</b>	<b>\$41,980</b>		<b>\$6,600</b>		<b>\$53,580</b>

\*list sources and amounts of any matching funds or in-kind contributions for each project partner

Agreement to Public Communications

*As part of the Grant Application, the Lead Organization must complete and sign this page.*

*All identified organizations and partners involved in the Project must also agree to authorize SFI Inc. to publicize the Project and to use their names, images, logos and information about the Project in such publicity. All Organizations listed in the application will be required to sign an agreement to this effect and submit it with the application. If additional Organizations join the Project after an application is accepted by SFI Inc., they will also be required to sign the agreement. You can access an additional copy of this agreement for your Project Partners here:*



Agreement to Public Communications.doc

I, **Reba Smith, Executive Director** (Name, Title), as a representative of **Southern Forest World Environmental Center** (Organization Name) and a Partner in **Spreading the World of Georgia's Sustainable Forests** (Name of Project), hereby give the Sustainable Forestry Initiative® (SFI), Inc. permission to use my name, the organization name as written above, and any other information about the Project in public communications regarding the Project.

I understand that public communications include, but are not limited to:

- Press releases and announcements regarding the SFI® Inc. Conservation and Community Partnerships Grant Program.
- Public presentations, fact sheets, briefing notes and other communication materials that highlight successful Projects and the SFI Inc. Conservation and Community Partnerships Grant Program.
- Use of the Organization logo on the SFI Inc. website, on news releases or other materials.
- Other materials as appropriate.

SFI Inc. will not attribute quotes or opinions to my organization without permission.

With my signature below, I attest that, to the best of my knowledge, the information provided in this application is true and accurate, and I am authorized by **Southern Forest World Environmental Center** (Organization Name) to sign this agreement.

Signed:

\_\_\_\_\_ Reba Smith \_\_\_\_\_  
Name

\_\_\_\_\_ Executive Director \_\_\_\_\_  
Title

\_\_\_\_\_ Southern Forest World Environmental Center \_\_\_\_\_  
Organization

\_\_\_\_\_ February 21, 2014 \_\_\_\_\_  
Date

Lead Organization Name and Address	The Research Foundation of State University of New York, POB, SUNY College of Environmental Science and Forestry 1 Forestry Drive Syracuse, New York 13210
Name, phone and email for Project Director	Dr. Melissa Fierke, Ph.D (315) 470-6809 mkfierke@esf.edu
Lead Organizational Mission Statement (<=25 words)	SUNY ESF's mission is "to advance knowledge and skills to promote leadership for the stewardship of both the natural and designed environment."
Lead Organization Annual Operating Budget	SUNY ESF, \$40,578,000 (2013-14)
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Juli S. Gould USDA APHIS PPQ CPHST Laboratory <a href="mailto:Juli.R.Gould@aphis.usda.gov">Juli.R.Gould@aphis.usda.gov</a> (508) 563-0923  Mark Whitmore Cornell University, Dept. of Natural Resources <a href="mailto:mcw42@cornell.edu">mcw42@cornell.edu</a> (607) 280-4064

### Project Overview

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (<=50 words)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Student Scientists and the Search for the Emerald Ash Borer	1 month	\$5,000.00	\$5,950.00	Students will learn about forest entomology, forest management and the impacts of invasive forest pests. To develop a hands on experience, they will be taught to identify symptoms of an emerald ash borer infestation and using forestry tools and methods, search for infested trees, taking relevant tree and stand data in the urban forest.	Objective 17 – Community Involvement in the Practice of Forest Sustainability; 17.1 and 17.2

### Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individual's and Organizations Qualifications and Experience (<=150 words)
Research Foundation of State University of New York, College of Environmental Science and Forestry	Michael Jones Graduate Student	<a href="mailto:mijone01@syr.edu">mijone01@syr.edu</a> (707)-338-7475 Illick Hall 1 Forestry Dr. Syracuse, NY 13210	SUNY ESF has been a prominent institution in the education of tomorrow's leaders in the fields of environmental science, conservation, forestry, and sustainability for over 100

			years. Michael is a student in Dr. Melissa Fierke's lab and is studying the dispersal and distribution of EAB in NY state. He has conducted surveys throughout NY to find and study EAB infestations. Dr. Melissa Fierke is a professor of forest entomology, and her lab focuses on the study of invasive forest insects. She has mentored many students who have successfully completed graduate degrees. She is an expert on the invasion of EAB in New York state. Michael and Melissa are members of the Onondaga County EAB Task Force.
Cornell University Cooperative Extension Onondaga County	Jessi Lyons Team Coordinator for the Natural Resources programs	<a href="mailto:jel264@cornell.edu">jel264@cornell.edu</a> (315)-424-9485 The Atrium, 2 Clinton Square Syracuse, NY 13202	Cornell Cooperative Extension puts knowledge to work in pursuit of economic vitality, ecological sustainability and social well-being. The extension brings local experience and research-based solutions together, helping New York families and communities thrive in our rapidly changing world (from mission statement). Jessi has been the lead organizer on many EAB outreach programs, including the Onondaga County EAB Task Force. She is a primary contact for the community and has been fundamental in educating landowners on EAB.
City of Syracuse, Parks Department, Forestry Division	Stephen Harris City/county Arborist	<a href="mailto:SHarris@syrgov.net">SHarris@syrgov.net</a> (315) 473-4330 x3014 412 Spencer St Syracuse NY 13210	The Forestry Division of the Parks Department is responsible for the management of city street and park trees in order to maintain a safe, healthy and abundant tree population. Stephen has been leading the city's response to the 2013 detection of EAB in Syracuse, managing 2,000 street and park ash trees and overseeing the implementation and enforcement of hazard tree policies and on private land where over 10,000 ash trees are located. He has been a valuable collaborator and supporter of ESF's EAB research and he is a member of the EAB Task Force.
Syracuse City School District, Nottingham High School	David Maynard Principal of Nottingham High School	<a href="mailto:dmayna27@scsd.us">dmayna27@scsd.us</a> (315) 435-4380 100 E. Genesee St Syracuse, NY 13224	Nottingham High School leaders and staff have a history of engagement and support of community outreach projects.

			Principal Maynard actively seeks out SUNY ESF students to help out at his school as leaders and inspiration for HS students. He was very responsive to collaborating on this project, especially as there are many infested trees in neighborhoods adjacent to the school.
Town of Dewitt	Christine Manchester Naturalist	<a href="mailto:CManchester@townofdewitt.com">CManchester@townofdewitt.com</a> (315) 446-9250 x137 5400 Butternut Drive East Syracuse NY 13057	The town of Dewitt has organized multiple well-attended community education events on the threat of EAB in the urban forest. They have been very active in detecting EAB infested trees and implementing management strategies for removal and treatment of infested trees. They are supporting ESF's EAB research and Christine is a member of the EAB Task Force.

### **Project Details**

1. *Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program.*

Our goal is to introduce local high school students to the fields of entomology and forest management and show them the threat posed to the health and sustainability of North American forest by invasive insects. Native insects provide an important service to the forest community, however, when exotic insects are introduced, the health of the forest can be compromised. With the recent detection of the emerald ash borer in Syracuse, New York, we have an opportunity to educate students about impacts of forest pest invaders to the natural and urban forests. We will emphasize likely ecological changes that will occur across our forests as well as economic and social impacts. Syracuse is a relatively large urban area and so we will emphasize the importance of the urban forest and the often-unappreciated benefits (e.g., aesthetic, environmental, and economic values) it provides. If we educate students in forestry practices, encourage them to think critically, provide insights into forestry methods as well as the tools needed to carry out an exploration in their local neighborhoods and woodlots, we will foster an appreciation and understanding of the environment and the urban forest as well the importance of sustainable forestry practices.

An important step in developing future scientists and sustainable foresters is helping them develop the ability to educate others and showing them how to communicate topics in forestry effectively. As part of the project, the students will create videos while conducting field surveys, which can be easily published on free media websites so they can be shared with friends and family. We will encourage students to think critically about how to effectively communicate the threat of invasive insects, their spread and forest management options to minimize their impacts. This project will help expand the community's involvement in current forestry problems and add to our understanding of forest sustainability practices.

Some of the equipment purchased for the project will be donated to Nottingham High School, to encourage continued exploration of forestry topics in this inner city high school with relatively low graduation rates and minimal engagement with the natural world. This is a unique opportunity to work and engage these students in an important urban forestry issue, as there are infested trees and woodlots within walking distance of the school. It is also a forum with which to emphasize how critical it is to sustain our urban forests into the future by teaching about and emphasizing their importance to urban systems, human health and the ecology of our urban environment. With the remaining equipment purchased we plan to expand this community project to other schools in Syracuse as well as in the Town of DeWitt, incorporating a variety of students of varying age groups.

*What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project?*

Nottingham High School is part of the Syracuse City School District and as such, is experiencing many of the troubles common to inner city schools, e.g., a disconnect from nature and the environment, loss of interest in STEM education, low graduation rates, etc. Opportunities to engage at this education level is challenging and though the recent discovery of EAB is negative in so many ways, it also presents an opportunity to connect students to their local environment and excite them about forestry and sustainable practices.

The Sustainable Forest Initiative is an important organization responsible for overseeing and managing sustainable forest practices. We will teach students guidelines developed by SFI and show how the organization is responsible for the sustainable harvest of forest products and developing good management practices in both the natural and urban forest. Teaching students the value of the urban forest can help build on the foundation of sustainable forestry and understanding the resources provided by forests are not inexhaustible and that we are the caretakers of this important resource. Exposing students to organizations such as SFI shows them that there are programs designed to protect forests and manage the sustainable harvest of resources provided by forests. It also shows students some of the types of work they can do in forestry and what kind of options they have for a future career. SFI is an important organization, not only does it protect forest resources, but also shows the next generation we do care about our natural resources and we are trying to make a difference.

This project provides an opportunity for SUNY ESF to continue building a relationship with SFI and to conduct further collaborative research. The SFI website has a long list of incredible project partners in both academia and the forestry industry, and we would like to see SUNY ESF as another prominent academic partner displayed on the website. Any presentations or outreach material developed from this project will proudly display the SFI logo.

2. *In the table below, please list the goals for your project.*

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Funds
Goal 1: Classroom training in forest entomology.	Through multimedia presentations and hands on teaching, students will learn about common forest pest and why invasive insects are more destructive than native species. We will teach students to identify common tree species in the forest. Particular focus will be placed on identifying ash trees and the signs of an emerald ash borer infestation.	Students will be able to identify ash trees from common urban street trees and differentiate EAB damage from native pests and environmental stresses.	The knowledge students gain in the classroom will apply to the field surveys where they will be tasked with finding and identifying EAB infested trees in the urban forest. Students will have to identify damage on the trees as well as identifying damage and EAB life cycles underneath the bark.	\$0	\$350.00

Goal 2: Conduct field surveys to identify EAB infested trees in the urban forest.	We will provided groups of students with forestry tools such as: DBH tapes, clinometers, binoculars, and rangefinders and we will conduct surveys of the urban forest surrounding the high school to teach the student field data collection techniques and to identify symptoms of EAB infestations.	Students will gain the skills to use basic forestry tools, collect data in the field, identify common tree species and differentiate between symptoms of common tree pests and EAB.	EAB infested trees will be identified in the urban forest and the recorded data will contribute to the research exploring the distribution and dispersal of the EAB infestation.	\$5,000.00	\$600.00
Goal 3: Student videos on searching for EAB infested trees.	As students are searching for EAB infested trees, they will produce videos (using smart phones) of themselves in which they will narrate the methods used for finding infested trees and the importance of detecting an EAB infestation.	The videos produced by the students can be uploaded on project partners websites and public websites.	Videos produced by students can be fun and interesting educational tools for community members, while providing information on the search for EAB in the community.	\$0	\$0

### Project Timeline

<b>Fall 2014</b>	One weekend
(October)	Classroom and field training
	Field surveys and video production concurrent

### Project Budget

Expenditure	SFI Grant Funds	Total Matching Funds	Source of Matching Funds	In-Kind Contributions	Source of In-kind Contributions	Total per expenditure category
<b>Operating Costs</b>	\$5,000.00	\$650.00		\$300.00		\$5,950.00
Research Activities	\$5,000.00					\$5,000.00
Meetings	\$0					\$0
Travel	\$0					\$0
Education & Outreach	\$0	\$650.00	SUNY ESF			\$650.00
				\$100.00	Cornell Coop Ext	\$100.00
				\$100.00	City of Syracuse	\$100.00
				\$100.00	Town of Dewitt	\$100.00
Communications	\$0					\$0
<b>Total</b>						<b>\$5,950.00</b>



THE RESEARCH FOUNDATION  
*The State University of New York*

SUNY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY

Office of Research Programs  
1 Forestry Drive  
Syracuse, New York  
13210

Phone: 315/470-6606  
Fax: 315/470-6779  
[www.esf.edu](http://www.esf.edu)

February 19, 2014

Amy Doty  
Sustainable Forestry Initiative, Inc.  
900 17th St. NW, Suite 700  
Washington, DC 20006

RE: PL-6719

Dear Ms. Doty:

The enclosed proposal entitled, "Student Scientists and the Search for the Emerald Ash Borer" is being submitted for your consideration by The Research Foundation for SUNY with a place of business at the SUNY College of Environmental Science and Forestry.

Technical responsibility of the project rests with the SUNY College of Environmental Science and Forestry and has been assigned to the technical representative identified below. Questions about the substance of the application should be directed to the technical representative or to the Office of Research Programs. This office will also respond to questions on the budget. Please reference the number assigned to this application in your correspondence or inquiries.

If action on the application is favorable, the award should be made to the Research Foundation of State University of New York which will provide fiscal administration. Negotiations concerning the terms and conditions of the award should be conducted with the administrative representative identified below.

Sincerely,

Dr. Neil H. Ringler  
Vice Provost for Research

Administrative Representative  
Justine Gordon  
The Research Foundation of  
State University of New York  
PO Box 9  
Albany, NY 12201  
(518) 434-7105

Technical Representative  
Dr. Melissa K. Fierke  
State University of New York  
College of Environmental Science  
and Forestry  
Syracuse, New York 13210  
(315) 470-6795

cc: Dr. Donald J. Leopold  
Mr. William Nicholson

**SFI Inc. Conservation & Community Partnerships Grant Program  
Guidance and Grant Application for Requests for  
Community-based projects \$5,000.00 or Less**

**Grant Application Template**

*Application Requirements*

- *Proposals must follow this application format.*
- *Applications cannot be longer than 5 pages (Project Partner signed agreements and Lead Organization proof of non-profit status do not count towards the 5 page maximum).*
- ***You may delete all text preceding this section and any text in italics throughout the application.***

*All applications must address the following items:*

Organization Information

Lead Organization Name and Address	Zajac Ranch for Children, 300 – 2006 West 10 <sup>th</sup> Ave Vancouver, BC V6J 2B3
Name, phone and email for Project Director	Scott MacDonald, (604) 739-0444, scott@zajac.com
Lead Organizational Mission Statement (25 words or less)	To develop and operate an accessible, innovative and full-service facility that welcomes children and young adults facing chronic, life-threatening and/or debilitating conditions.
Lead Organization Annual Operating Budget	\$1,400,000.00
Two references (Name, Organization, email and phone) who can speak to the relevance and potential of the Project (these should not be the same as your Project partners):	Louise Pochailo Community Investment Specialist Vancity Credit Union Louise_Pochailo@vancity.com 604-871-5498  Danny Karch National Director Market Access & Green Building Sustainable Forestry Initiative T: 450-242-1233 E: <a href="mailto:danny.karch@sfi-program.org">danny.karch@sfi-program.org</a>

Project Overview

*The Project must relate to or support one or more elements of the SFI 2010-2014 Standard. You can download a copy of the Standard and supporting documents from the SFI website here: <http://www.sfi-program.org/sfi-standard/sfi-standards/> Community-based projects should focus on Objective 6 (Special Sites), Objective 17 (Community Involvement in the Practice of Sustainable Forestry) and Objective 18 (Public Land Management Responsibilities), but are not limited to these specific SFI 2010-2014 Standard objectives.*

Project Title	Total Length of time for completion of project (in months, from commencement to final reporting)	Amount Requested from SFI	Total Project Budget (including matching funds and in-kind contributions)*	Brief Project Summary (50 words or less)	What element(s) of the SFI 2010-2014 Program are addressed by your Project? (Please cite the Standard Component(s))
Wood Pellet Boiler	6 months	\$5,000	\$154,000	We have decided to take on the conversion of our heating systems from propane to wood pellet for two very good reasons. The first is that wood pellet boilers are better for the environment and secondly, they provide the same quality of heating at a fraction of the cost.	<p>1. <b>Sustainable Forestry</b>  ...“harvesting of trees for useful products”</p> <p>Wood pellets are made from sawdust and waste wood. This helps to ensure the whole tree is used once it has been harvested using sustainable practices. Our hope it to source our pellets from SFI Program Participant.</p> <p><b>3. Protection of Water Resources</b>  “To protect water bodies and <i>riparian</i> zones”</p> <p>Zajac Ranch is located on the shores of Stave Lake, a 55 km<sup>2</sup> lake located in Mission, BC. The pellet boiler will eliminate the burning of 65,000 litres of propane each year and prevent 97.04 tonnes of CO<sub>2</sub>e being created and dispersed into the air surrounding the lake.</p>

Project Partners

Confirmed Project Partners (list organization name only)	Primary Contact Name & Title	Complete Contact Information (Email, Phone Number, Mailing Address)	Brief Summary of Individuals' and Organizations Qualifications and Experience (150 words or less per partner)
N/A			

Project Details

*Please provide answers to the following questions to describe your project.*

- Please explain how this Project will strengthen and involve communities in forest management or inform or provide benefit to the SFI Program.*

Located on the shores of Stave Lake in Mission, BC, Zajac Ranch for Children is situated on 44 acres of pristine forested land. The 9 Km road heading into the Ranch is an active logging road, so we understand the value of using sustainable forestry practices in our area both to preserve our environment and to ensure the economic viability of our community.

Each year, Zajac Ranch for Children provides camps for 500 children and young adults with chronic, life-threatening and/or debilitating conditions. These experiences give participants the opportunity to explore the great outdoors while developing greater social and environmental awareness, increased self-confidence and positive growth in attitudes towards physical activity. The benefits that our children receive from attending camp will only be possible in the future if we protect our forests by managing the harvesting of fibre materials using a sustainable model.

Our wood pellet boiler project is a shining example of how alternative fuel sources can reduce carbon emissions; maximize the yield of sustainably harvested fibre products and save money to be redirected to programing. In our case, to allow children with special needs to enjoy the BC wilderness.

- What activities will you and your Project partners perform to promote the outcomes of your Project and SFI involvement in the Project? Zajac Ranch for Children is fortunate to have*

We will be posting information about the completion of the wood pellet boiler project on our Facebook and through Twitter. We will also be writing an article for our newsletter that goes to 6,000 families & organizations.

- In the table below, please list the goals for your project.*

Project Goals	Actions	Tangible Outcomes	Measure Success	Grant Funds	In-Kind or Matching Funds
To Reduce the operating expenses of the Ranch.	Install a wood pellet boiler to replace an existing propane heating system	Operating cost reduced by \$57,000 per year.	Our propane and heating cost in 2012 were \$72,287. We are projecting that our heating costs using wood pellet boiler will be \$14,994.	\$2500	
To reduce the carbon footprint of the Ranch	Install a wood pellet boiler to replace an existing propane heating system	Reduce the CO <sup>2</sup> e annual emissions by 97.04 tonnes	By not burning 65,000 liters of propane we will eliminate 97.04 tonnes of CO <sup>2</sup> e from our carbon footprint.	\$2500	
Provide funding to send 38 children to Zajac Ranch each year.	Install a wood pellet boiler to replace an existing propane heating system	The pellet boiler will create \$57,000 in savings that can be redirected to programs	We will increase program funding by \$57,000		

--	--	--	--	--	--

Project Timeline

Please provide a timeline for completion of the project. Projects must be completed within 2014. The timeline should reflect when you will deliver upon the goals and outcomes as outlined above.

**Stage 1 - April 2014:**

- Installation of a containerized advanced wood pellet boiler of 100 kw output.
- Connection of the pool heating system to the pellet boiler.
- Automatic operation of the air handler
- Installation of a power meter on the air handler
- Installation of a high precision relative humidity meter in the pool area.

**Stage 2 – May 2014:**

- Connection of the dormitories to the pellet boiler system.
- Evaluation of the air handler operation and energy consumption.
- Replacing electric heating coils with hydronic (the use of water as a heat-transfer medium) coils.
- Re-evaluation of heating demand.

**Completion - June 2014**

Project Budget

<b>Expenditure</b>	<b>SFI Grant Funds</b>	<b>Total Matching Funds</b>	<b>Source of Matching Funds</b>	<b>In-Kind Contributions</b>	<b>Source of In-kind Contributions</b>	<b>Total per expenditure category</b>
Wood Pellet Boiler and installation	5,000	149,235	Private donors and Zajac Ranch	Trenching services	Zajac Ranch	\$154,235
<b>Total</b>						\$154,235

**Wood Pellet Boiler Budget**

Basic Installation & Indoor Pool		
Containerized boiler with buffer tank	100 kw	\$60,000
Pellet storage silo	35 tonnes	\$12,000
Underground Pex pipe	30 metres	\$3,500
Pumps, heat exchangers, gauges		\$2,000
Mechanical, electrical installation		\$12,000
Other & contingencies		\$5,000
Total		\$94,500
Taxes (9%)		\$8,505
<b>Total Capital Cost</b>		<b>\$103,005</b>

**Addition of Dorms (2014)**

Underground Pex pipe	120 metres	\$10,000
Pumps, heat exchangers, coils, buffer tanks		\$9,000
Installation		\$16,000
Other & contingencies		\$4,000
Total		\$39,000
Taxes (9%)		\$3,510
<b>Total additional Capital Cost</b>		<b>\$42,510</b>

**Addition of Air Handler (Munters) (2014)**

Coils, pumps		\$4,000
Installation		\$4,000
Total		\$8,000
Taxes (9%)		\$720
<b>Total Additional Capital Cost</b>		<b>\$8,720</b>

**Capital Cost for Entire Project** **\$154,235**

**Confirmed Donors to date**

<b>Name</b>	<b>Donation received</b>
Vancity Credit Union	\$10,000
Anonymous Family Foundation	\$50,000
Anonymous Family Foundation	\$20,000