LAKE COUNTY FOREST PRESERVES www.LCFPD.org

Preservation, Restoration, Education and Recreation

DATE: March 2, 2015

MEMO TO: Bonnie Thomson Carter, Chair

Planning and Restoration Committee

S. Michael Rummel, Chair

Finance and Administrative Committee

FROM: James L. Anderson, Director

Natural Resources Department

SUBJECT: Intergovernmental Agreements for Fort Sheridan Restoration Grant Funding

RECOMMENDATION: Recommend approval of a Resolution approving intergovernmental agreements with the City of Lake Forest and Openlands for Fort Sheridan restoration grant funding.

BACKGROUND: In 2014, the District applied for and was awarded grant monies from the U.S. Forest Service's State and Private Forestry Program for the purpose of performing landscape scale restoration work at the Fort Sheridan Forest Preserve. The District will take on the lead role in administering the grant and is partnering with the City of Lake Forest and Openlands to expand the scope of restoration efforts to properties owned by the City of Lake Forest and Openlands that are located adjacent to the Fort Sheridan Forest Preserve. The focus of the grant will be native tree and shrub planting. Intergovernmental agreements with the City of Lake Forest and with Openlands are necessary to use the grant funds to reimburse the City of Lake Forest and Openlands for restoration work completed on their properties.

REASON FOR RECOMMENDATION: Committee recommendation and Board approval are required in accordance with District policy.

REVIEW BY OTHERS: Chief Operations Officer, Director of Finance, Legal Counsel

FINANCIAL DATA: The State and Private Forestry program grant awarded to the District will provide the District and partners with 46% of total project costs, which are estimated at \$276,280.00. Both City of Lake Forest and Openlands will be reimbursed \$6,000.00 each in grant funding through the District for completing their portion of grant activities. Actual costs will be charged to the Preserve Tree Planting Fund (29614100-803200-60010).

PRESENTER: James L. Anderson

STATE OF ILLINOIS)	
)	SS
COUNTY OF LAKE)	

BOARD OF COMMISSIONERS LAKE COUNTY FOREST PRESERVE DISTRICT REGULAR MARCH MEETING MARCH 10, 2015

MADAM PRESIDENT AND MEMBERS OF THE BOARD OF COMMISSIONERS:

Your PLANNING AND RESTORATION COMMITTEE and FINANCE AND ADMINISTRATIVE COMMITTEE present herewith "A Resolution Approving Intergovernmental Agreements with the City of Lake Forest and Openlands for Fort Sheridan Restoration Grant Funding," and request its adoption.

PLANNING AND RESTORATION COMMITTEE:	YEA	NAY	FINANCE AND ADMINISTRATIVE COMMITTEE:	YEA	NAY
Bonnie Thomson Carter, Chair	_ 🗆		S. Michael Rummel, Chair	_ 🗆	
Nick Sauer, Vice Chair	_ 🗆		Linda Pedersen, Vice Chair		
Carol Calabresa	_ 🗆		Steve Carlson		
Bill Durkin	_ 🗆		Bill Durkin	_ 🗆	
Sandra Hart			Sandra Hart		
Diane Hewitt			Aaron Lawlor		
Sid Mathias	_		Audrey Nixon	-	
Craig Taylor	. —				
Tom Weber	-				

LAKE COUNTY FOREST PRESERVE DISTRICT LAKE COUNTY, ILLINOIS

A RESOLUTION APPROVING INTERGOVERNMENTAL AGREEMENTS WITH THE CITY OF LAKE FOREST AND OPENLANDS FOR FORT SHERIDAN RESTORATION GRANT FUNDING

WHEREAS, the Lake County Forest Preserve District (the "District") owns property known as Fort Sheridan Forest Preserve; and

WHEREAS, the City of Lake Forest and Openlands (the "Partners") own property adjacent to the Fort Sheridan Forest Preserve; and

WHEREAS, the District and the Partners desire to perform landscape scale restoration work (the "Work"), with a focus on native tree and shrub planting, on their respective properties; and

WHEREAS, in 2014 the U.S. Forest Service State and Private Forestry Program awarded grant funds (the "Grant") to the District for the performance of the Work; and

WHEREAS, pursuant to Section 10 of Article VII of the Illinois Constitution of 1970, units of local government, such as the District and the Partners, may contract or otherwise associate among themselves in any manner not prohibited by law or ordinance; and

WHEREAS, pursuant to the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., any power, privilege, function, or authority exercised by a public agency, including the District and the Partners, may be exercised, combined, transferred, and enjoyed jointly with any other public agency to the extent not prohibited by law; and

WHEREAS, it is in the best interest of the District to enter into intergovernmental agreements (the "Agreements") with the Partners for the use of Grant funds to reimburse the Partners for portions of the Work;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Lake County Forest Preserve District, Lake County, Illinois THAT:

Section 1. Recitals. The recitals set forth above are incorporated as a part of this Resolution by this reference.

<u>Section 2</u>. <u>Approval of the Agreements</u>. The Agreements, in substantially the form attached hereto, are hereby approved. The Executive Director and Secretary of the District are hereby authorized to execute and attest to, respectively, the Agreements, in substantially the form attached hereto, on behalf of the District.

<u>Section 3</u>. <u>Effective Date</u>. This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

PASSED this day of	, 2015	
AYES: NAYS: APPROVED this day of	, 2015	
ATTEST:		Ann B. Maine, President Lake County Forest Preserve District
Julie A. Gragnani, Secretary Lake County Forest Preserve District		
D1.11.14		

AGREEMENT between the LAKE COUNTY FOREST PRESERVE DISTRICT and the CITY OF LAKE FOREST related to the US FOREST SERVICE, STATE AND PRIVATE FORESTRY GRANT

THIS AGREEMENT is by and between the LAKE COUNTY FOREST PRESERVE DISTRICT, 1899 West Winchester Road, Libertyville, Illinois 60048 (the "DISTRICT") and the CITY OF LAKE FOREST, 800 NORTH FIELD DRIVE, LAKE FOREST, ILLINOIS 60045 ("PARTNER") and is entered into as of the date upon it has been executed by both DISTRICT and PARTNER, as indicated by their signatures below (the "EXECUTION DATE").

PURPOSE

This Agreement between the DISTRICT and PARTNER describes the parties' cooperation in the US Forest Service, Northeast Area State and Private Forestry (NASPF) grant project, which is described in the project narrative for the full grant proposal titled "Reconnecting Urban Forests: Oak Woodland Restoration Near Lake Michigan" attached to this Agreement as Attachment A (the "PROJECT"). The PROJECT will include planting of native trees and shrubs within the project area, including on PARTNER lands. Under the terms of the NASPF grant agreement with the DISTRICT ("GRANT AGREEMENT"), the value of a portion of (i) the PROJECT coordination, oversight, and other in-kind services on or related to PARTNER lands performed by the PARTNER and (ii) certain other contributions made by the PARTNER related to the PROJECT (collectively, "IN-KIND CONTRIBUTIONS") can be used as a match towards the local contribution that is required by the GRANT AGREEMENT. The PROJECT is mutually beneficial for both the DISTRICT and PARTNER.

TERMS AND CONDITIONS

- 1. The duration of the PROJECT is 10/1/2014 to 12/31/2016.
- The DISTRICT will administer the GRANT AGREEMENT.
- 3. PARTNER shall provide IN-KIND CONTRIBUTIONS, to be used as part of the local contribution that is required by the GRANT AGREEMENT ("PARTNER'S CONTRIBUTION"), with a total value of not less than \$6,000.00.
- 4. To fulfill its obligation to provide the PARTNER'S CONTRIBUTION, PARTNER shall, during the PROJECT DURATION, (i) perform any necessary site work to prepare planting areas for tree/shrub installation (includes clearing if necessary), (ii) install 75 trees as specified in the plan (see Attachment A), and (iii) maintain trees as necessary to ensure survival, includes but not limited to: mulching, watering, and wildlife protection.
- 5. PARTNER will deliver to the DISTRICT a written Request for Reimbursement of costs upon completion of approved PARTNER work. Requests for Reimbursement can be submitted to the DISTRICT as frequently as quarterly, but no less than once per year, unless otherwise approved by the DISTRICT. Copies of all source documents which provide evidence of expenditures paid for, including such items as canceled checks,

purchase orders, invoices, or other evidence of paid bills shall be submitted with this request. The DISTRICT shall not pay any amount for expenses or labor not specified for the PARTNER work. PARTNER's indirect costs shall not be reimbursable under this agreement. Reimbursement to PARTNER shall be processed within 60 days of receipt of the reimbursement request. Reimbursement shall be made to the PARTNER via check. PARTNER shall be reimbursed a total of \$5,000.00 in financial assistance upon successful completion of PARTNER work.

- 6. Notwithstanding any other provision of this Contract and without prejudice to any of DISTRICT's other rights or remedies, DISTRICT shall have the right at any time or times, whether before or after approval of any Pay Request, to deduct and withhold from any Progress or Final Payment that may be or become due under this Agreement such amount as may reasonably appear necessary, up to twenty percent of the Federal Assistance, until PARTNER shall have satisfactorily completed the work of this project and supplied all necessary reports (Performance and Financial Reports see paragraphs 7 9 below) to DISTRICT.
- 7. PARTNER shall submit an Interim Performance Report to the DISTRICT by December 15th of each year (2015, 2016) in the form provided in Attachment C. In the first Interim Performance Report, PARTNER shall summarize the PARTNER WORK accomplished from the EXECUTION DATE to the first Interim Performance reporting date. In the second Interim Performance Reports, PARTNER shall summarize the PARTNER WORK accomplished since the first Interim Performance Report was submitted. In the Interim Performance Report, PARTNER shall (i) include a narrative and photos describing the accomplishments and anticipated future PARTNER WORK, (ii) use English units of measure, and (iii) and use terms understandable to the lay population.
- 8. PARTNER shall submit an Annual Financial Report (in the form provided in Attachment C) to the DISTRICT by October 1st of each year (2015 and 2016) which shall cover expenditures from the previous federal fiscal year (October 1 September 30). In the Annual Financial Report, PARTNER shall include information on all IN-KIND CONTRIBUTIONS that the PARTNER has made prior to the reporting date.
- 9. PARTNER shall submit a Final Performance and Financial Report (in the form provided in Attachment C) to the DISTRICT no later than December 31, 2016. In the Final Report, PARTNER shall (i) describe all PARTNER WORK, including all accomplishments, outcomes, and expenditures for the PARTNER WORK and including a narrative, and before and after photos, (ii) fully document PARTNER's completion of the PARTNER WORK and proof of PARTNER'S expenditures, (iii) use English units of measure, and (iv) use terms understandable to the lay population.
- 10. This AGREEMENT may be amended only with the written approval of both parties.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed, as evidenced by the signatures of their duly authorized representative as affixed below.

LAKE COUNTY FOREST PRESERVE	CITY OF LAKE FOREST
DISTRICT	

Alex Ty Kovach, Executive Director	Robert r. Kiely, Jr., City Manager
Date:	Date:

Attachment A

Full Proposal Project Narrative

State and Private Forestry FY 2014 Northeastern Area Competitive Resource Allocation Project Proposal

Admin	istration	Information	:
Propos	sal Numb	er:	
State:	IL	RFP Category:	1
	Funds	s Requested:	\$ 126,140.00
		Match:	\$ 150.140.00

		Applicant Info	rmation			
	Project Applicant:	Lake County Fo	orest	Preserves		
	Contact Person:	Matt Ueltzen				
1	Address:	1899 West Winchester Ro	oad			
	City:	Libertyville	State:	IL.	Zipcode:	60048-5367
	Phone:	(847) 968-3290	Email:	mueltzen@lcfpd.	org	
	Spatial Data Coordinator:	(SMART data entry)				

			Project Inform	nation			
	Descriptive Title of Project:		necting Urban F Iichigan	orests: Oa	k Woodland	l Restoratio	on Near
	Project Technical Contact:	Matt Ue	ltzen				
	Project Duration:	C	One Year	O Tw	o Years	Thr	ee Years
	RFP Category (select one):		(Redesign	ı'	H	azard Miti	gation
	Land Ownership Type	Private		Fe Fe	ederal		State
2	Land Ownership Type:	Other:		County			
4	Letters of Support*:	St	ate Forester(s):		Other:		
	List Partner Organizations:	State	Partner				
	Partner 2:	IL	The City of Lake	Forest			
	Partner 3:	IL	Lake Forest Ope	en Lands As	sociation		
	Partner 4:	IL	Openlands				
	Partner 5:						
	Partner 6:						
	Partner 7:						
	Partner 8:						
	Partner 9:						

^{*} Note, Concurrence of the state forester is required for any state within which funds are to be received or work is to be performed.

Project Overview (Redesign and Forest Fire Hazard Mitigation Proposals)

2000 Characters Including Spaces – Provide a comprehensive but succinct overview of the proposed project that includes basic details of who is doing what, where, and why (in context of elsewhere documented need). Address the project's suitability as the most appropriate scale of response (local, statewide, multi-state or national) to the issue being addressed.

Lake County Forest Preserve District (District) and partners will address the Illinois Forest Action Plan issues of forest fragmentation and decline of oak dominance by planting a diverse assemblage of 2880+ native trees (primarily oaks; 88% of larger trees) and shrubs as part of an 140-acre oak woodland restoration project. The project area lies within a priority urban forest landscape located within and adjacent to Fort Sheridan Forest Preserve. This project will help connect over 410 acres of protected, forested Lake Michigan ravine and bluffs communities, noted for their floristic diversity and state-protected plant species, and increase available nesting habitat for forest birds and stop-over habitat for all migratory birds. Planting young cohorts of oaks now will help mediate a lack of oak regeneration and increase oak-dominance, as well as future tree recruitment. The project areas are part of a highly visited, historic preserve with existing public access, providing significant opportunities to engage the public about the importance of trees and urban forest conservation.

Working with the proposed partners will reduce edge effects and allow for larger, landscape scale, management of this woodland across political/management boundaries. While local in scope, this project has great regional importance for oak ecosystem recovery and conservation of rare plants and wildlife.

Budget Table Explanation

500 Characters Including Spaces – Provide any additional remarks needed to clarify your budget request. For example, provide an explanation if you have a partner contributing funds to cover construction or other federally unallowable portions of your project.

This project has multiple partners working in additional project areas adjacent to the applicant's site. Partner matching funds have been entered in the "Other Contributor's" column. Additional budget information is included in the supplemental materials. Personnel costs have been kept to a minimum and reflect only time needed to perform public bidding, purchasing, and project oversight. \$15K has been added to Applicant "contractual" column (match) for ongoing site invasive species management.

4

FY 2014 NORTHEASTERN AREA STATE AND PRIVATE FORESTRY RFP LAKE COUNTY FOREST PRESERVES PROPOSAL

PROJECT TITLE: "RECONNECTING URBAN FORESTS: OAK WOODLAND RESTORATION NEAR LAKE MICHIGAN"

PROJECT BUDGET

	Project Lead:	Project Partner: City of Lake Forest/	Project Partner:	TOTAL:
	Forest Preserves	Lake Forest Openlands		
Mulch	\$16,800.00			\$16,800.00
Tree Protection	\$2,200.00		\$500.00	\$2,700.00
Installation	\$102,720.00	\$4,000.00	\$2,500.00	\$109,220.00
Trees and Shrubs	\$76,760.00	\$4,000.00	\$5,000.00	\$85,760.00
Mow Fields Prior to Planting and After Year 1	\$2,800.00			\$2,800.00
Watering Contract (Year 2)	\$31,000.00	\$2,000.00	\$2,000.00	\$35,000.00
Partner Total	\$232,280.00	\$10,000.00	\$10,000.00	\$252,280.00
Additional Actions (Counted as Match) Project Oversite (Field and Office e.g. bidding, purchasing,				
planning, monitoring and reporting)	\$7,000.00	\$1,000.00	\$1,000.00	\$9,000.00
Invasive Species Control (Contractual)	\$15,000.00			\$15,000.00
PROJECT TOTALS	\$254,280.00	\$11,000.00	\$11,000.00	\$276,280.00
Total Supplies (Trees, Shrubs, Mulch, Tree Protection): Total Contractual (Installation, Mowing, and Watering): *	\$95,760.00	\$4,000.00	\$5,500.00	\$105,260.00 \$147,020.00
,	Schools of the Park State of the State of th			

^{*} Invasive Species Control not included in this figure as it is considered for Match ** Match amount includes Invasive Species Contol Contractual

			Ove	Overall Project Budget	et		
				Leverage ¹	age ¹		
		Grant	Non-Fede	Non-Federal Match	Non-Match	Source	TOTAL
		Federal Funds Requested	Applicant	Other Contributor/s	Applicant, Non-Federal, and/or Federal	3 rd Party Contributor/s (name)	Total Project Cost
	Personnel / Labor:		\$ 7,000.00 \$ 2,000.00	\$ 2,000.00			\$ 9,000.00
	Fringe Benefits:						\$ 0.00
	Travel:						\$ 0.00
4	Equipment:						\$ 0.00
	Supplies:	\$ 52,630.00	\$ 52,630.00 \$ 47,880.00 \$ 4,750.00	\$ 4,750.00			\$ 105,260.00
	Contractual:	\$ 73,510.00	\$ 73,510.00 \$ 83,260.00 \$ 5,250.00	\$ 5,250.00			\$ 162,020.00
	Construction:						\$ 0.00
	Other:						\$ 0.00
	Indirect Costs ² :						\$ 0.00
	TOTAL: \$ 126,		140.00 \$ 138,140.00 \$ 12,000.00	\$ 12,000.00	\$ 0.00		\$ 276,280.00

If any part of your match requirement is being covered through a consolidated payment grant (CPG) please enter dollar value here: \$\frac{1}{2}\$

¹ Funds qualifying as "match" must meet the same program requirements as grant funds (e.g., program authorities, non-federal sources). Other "non-match" leveraged funds do not need to meet the same standards (e.g., may include funds for construction, funds from other federal partnership with other USFS programs outside of State & Private Forestry, as well as other federal and state programs is encouraged. See FAQ online for more information: http://na.fs.fed.us/rfp/
² Indirect costs must be tied to an established rate. Waived indirect costs are an acceptable source of match.

Page 3 of 12 This completed form will be posted online and may be shared after all proposals are received. 08/07/13 Final

State and Private Forestry FY 2014 Northeastern Area Competitive Resource Allocation Project Proposal Supplement 2 – List of Additional Partners

Project Title:		cting Urban Forests: Oak Woodland Restoration Near higan Applicant: Lake County Forest Preserves	
Partner Number:	State	Partner Organization	\$
Partner 1	IL	City of Lake Forest	\checkmark
Partner 2	IL	Lake Forest Open Lands Association (Assists with site management to City of Lake Forest)	
Partner 3	IL	Openlands	✓
Partner 4	IL	Chicago Wilderness (Project Support)	
Partner 5	IL	The Morton Arboretum (Project Support)	
Partner			

FY 2014 Northeastern Area Competitive Resource Allocation Project Proposal Supplement 1 – Partner Budget Table State and Private Forestry

Project Title:	Reconnecting Urban	ng Urban Forests. Oak Woodland Restoration Near Lake Michigan Applicant: Lake County Forest Preserves	storation Near Lake Michiga	an Applicant Lake Coun	ty Forest Preserves	
Partner:		City of Lake Forest (Lake Forest Open Lands Association will assist in future management and is listed as a partner, but will not contribute financially)	ll assist in future management ar	nd is listed as a partner, but will	not contribute financially)	State: IL
			Leverage	ge ¹		
	Grant	Non-Federal Match	al Match	Non-Match	Source	TOTAL
	Funds Requested	Applicant	Other Contributors	Applicant, Non-Federal, and/or Federal	3 rd Party Contributor/s	Total Partner Cost
Personnel / Labor:	\bigvee	\$ 7,000.00	\$ 2,000.00		\bigvee	\$ 1,000.00
Fringe Benefits:	\bigvee				\bigvee	\$ 0.00
Travel:	\bigvee				\bigvee	\$ 0.00
Equipment:	\bigvee				\bigvee	\$ 0.00
Supplies:	\bigvee	\$ 47,880.00	\$ 4,750.00		\bigvee	\$ 2,000.00
Contractual:	\bigvee	\$ 83,260.00	\$ 5,250.00		\bigvee	\$ 3,000.00
Construction:	\bigvee				\bigvee	\$ 0.00
Other:	\bigvee				\bigvee	\$ 0.00
Indirect Costs ² :	\bigvee				\bigvee	\$ 0.00
TOTAL:	\bigvee	\$ 138,140.00	\$ 12,000.00	\$ 0.00	\bigvee	\$ 6,000.00

¹ Funds qualifying as "match" must meet the same program requirements as grant funds (e.g., program authorities, non-federal sources). Other "non-match" leveraged funds do not need to meet the same standards (e.g., may include funds for construction, funds from other federal partners). Partnership with other USFS programs outside of State & Private Forestry, as well as other federal and state programs is encouraged. See FAQ online for more information: http://na.fs.fed.us/rfp/<a href="htt

Project Proposal Supplement I Partner Budget

FY 2014 Northeastern Area Competitive Resource Allocation

FY 2014 Northeastern Area Competitive Resource Allocation Project Proposal Supplement 1 – Partner Budget Table State and Private Forestry

Project Title:	Reconnecting Urban	ng Urban Forests. Oak Woodland Restoration Near Lake Michigan Applicant: Lake County Forest Preserves	storation Near Lake Michiga	an Applicant Lake Coun	ty Forest Preserves	
Partner:		City of Lake Forest (Lake Forest Open Lands Association will assist in future management and is listed as a partner, but will not contribute financially)	ll assist in future management ar	nd is listed as a partner, but will	not contribute financially)	State: IL
			Leverage	ge ¹		
	Grant	Non-Federal Match	al Match	Non-Match	Source	TOTAL
	Funds Requested	Applicant	Other Contributors	Applicant, Non-Federal, and/or Federal	3 rd Party Contributor/s	Total Partner Cost
Personnel / Labor:	\bigvee	\$ 7,000.00	\$ 2,000.00		\bigvee	\$ 1,000.00
Fringe Benefits:	\bigvee				\bigvee	\$ 0.00
Travel:	\bigvee				\bigvee	\$ 0.00
Equipment:	\bigvee				\bigvee	\$ 0.00
Supplies:	\bigvee	\$ 47,880.00	\$ 4,750.00		\bigvee	\$ 2,000.00
Contractual:	\bigvee	\$ 83,260.00	\$ 5,250.00		\bigvee	\$ 3,000.00
Construction:	\bigvee				\bigvee	\$ 0.00
Other:	\bigvee				\bigvee	\$ 0.00
Indirect Costs ² :	\bigvee				\bigvee	\$ 0.00
TOTAL:	\bigvee	\$ 138,140.00	\$ 12,000.00	\$ 0.00	\bigvee	\$ 6,000.00

¹ Funds qualifying as "match" must meet the same program requirements as grant funds (e.g., program authorities, non-federal sources). Other "non-match" leveraged funds do not need to meet the same standards (e.g., may include funds for construction, funds from other federal partners). Partnership with other USFS programs outside of State & Private Forestry, as well as other federal and state programs is encouraged. See FAQ online for more information: http://na.fs.fed.us/rfp/<a href="htt

Project Proposal Supplement I Partner Budget

FY 2014 Northeastern Area Competitive Resource Allocation

Sections 5-8 to be completed for 'Redesign' Proposals Only

(Redesign Proposals Only) Desired Future Condition (25 points)

2,500 Characters Including Spaces – Identify how the project addresses a priority in the Forest Action Plan and leads to a desired future condition as described in the Request for Proposals.

The goals of this project directly address priority issues of the Illinois Forest Action Plan.

1) THREAT: Changing Forest Landscape

GOAL: Reduce fragmentation of coastal ravines to provide increased habitat for wildlife, corridors for wildlife migration and dispersal, and increased suitable habitat for rare species.

Proposed Actions: Strategic planting and maintenance of saplings and young trees will provide for future canopy structure on the plateau between two high quality ravines, helping reconnect over 350 acres of forested land and restoring regionally rare oak woodland. Planting of native shrubs will increase structural diversity and provide critical habitat for wildlife.

2) THREAT: Decline of Oak Dominance

GOAL: Increase the abundance and distribution of oaks where regeneration is lacking.

Proposed Actions: Planting a diverse assemblage of trees dominated by oaks. Our planting plan specifies oaks make up 87% of all canopy trees planted. High quality multi-aged oak stock from local nurseries will be planted with proven methods, maintained with watering and deer protection. Increasing the number of healthy oaks in locations where they are currently not growing will increase the population size of future acorn-producing trees, leading to greater local dispersal and recruitment.

3) THREAT: Forest Health Decline

GOAL: Reduce the abundance of invasive plants and mitigate the habitat loss anticipated from Emerald Ash Borer (EAB)

Proposed Actions: Invasive plant management has been ongoing since 2005 when aggressive action was taken to remove invasive shrubs from the ravines. However, invasive shrubs still grow on the plateau between the ravines. This project will allow for the cutting and herbiciding of invasive shrubs in the 80 acre project area, completing the initial removal efforts within the preserve.

Ash are present within limited portions of the project area and are impacted by EAB. Tree planting will help mitigate the impact resulting from the loss of canopy ash.

An addendum to the Illinois Forest Action Plan was recently published addressing Urban and Community Forestry. As proposed, this project would address several priorities and action items found within the addendum: Improve and Expand Forest Composition and Health; Achieve Widespread Illinois Urban Forestry Sustainability and Management; Education and Training for Professionals and Non-professionals; Urban Forest Plants, Insect and Disease Invasive Species Awareness and Management.

	(Redesign Proposals Only) Measurable Results and Significant On-The-Ground Outc	comes (35 points)
	Measure (identify measures applicable under the following National Themes)	Number of units expected
	Conserving and Managing Working Forest Landscapes	
	Restore high priority oak woodland habitats in urbanized area	140 Acres
	Habitats with increased connectivity through reduced fragmentation	410 Acres
	Planting native oaks	Over 1,000 Oaks
	Planting of native trees (non-oaks) and shrubs	Over 1,800 Trees/Shrubs
	Protect Forests from Threats	
	Control invasive species establishment in planting areas via mowing/herbicide treatments	
	Control invasive species within and adjacent to project areas through season-long contractual labor	~350 hours of control labor
6		
	Enhance Public Benefits from Private Forests	
	Annual functional value of trees based on size of plants at time of installation*	\$5,954.00
	Reduced run-off: Total gallons of water intercepted annually*	23,165 Gallons
	Improved air quality: Pounds of carbon sequestered annually*	20,943 Pounds of Carbon
	Protect and enhance wildlife habitat, especially for birds	140 Acres / 66 Bird Species
	Enhance/Increase potential habitat for area-sensitive bird species	24 Area-Sensitive Bird Species
	Increase potential habitat for site's rare plant species	2 State Endangered Plants
		4 State Threatened Plants
	Increase public awareness of native plants/plant selection/ proper planting techniques via Arbor Day events	2 Arbor Day Events in 2015 & 2016
	* Based on data from national Tree Benefit Calculator from Arbor Day Foundation	

(Redesign Proposals Only) Collaboration and Integrated Delivery that Influence Positive Change (20 Points)

2,500 Characters Including Spaces –Describe how reaching the goals and achievements of the project will affect positive changes on the ground as described in the Request for Proposals

The project area was chosen based on its regional significance and public accessibility. For example, Chicago Wilderness, a regional alliance of more than 260 organizations recommended this preserve as a Resource Protection Area. Ecological outcomes of this project include: restoration of 140 acres of woodland, reconnection of 410 acres of forested communities, increased habitat for six state-protected plant species found near the project area, increased opportunities for migratory bird stop-over, and increased habitat for the 66 bird species known from the site. Reducing the abundance of invasive plants across 140 acres will improve the floristic quality and health of the forested communities throughout the preserve. Further, increased connectivity of different habitat types (forested ravine, lake bluff, beach, and woodland plateau) will create a mosaic of habitat and corridors for plant and animal movement. This project also addresses Actions 1, 2, 6, & 7 of the Forests Campaign and Actions 1, 2, 5, & 6 of the Green Cities Campaign of the Illinois Wildlife Action Plan.

Because this project area is located within an urbanized area of high population density (Lake County is the 3rd most populous county in IL with more than 706,000 residents), there are great opportunities to educate residents and visitors about the importance of trees and forest community restoration. The local community will benefit from access to the active woodland restoration area, having increased opportunities for wildlife viewing. The existing trail system, which winds through the project area, will bring the woodland to the public. As a way to further reach out to the public, two Arbor Day events in 2015 and 2016 will be conducted, providing educational materials on trees, demonstrating proper planting techniques, offering tree selection advice and information on forest health issues, such as invasive species and EAB to an estimated 60 Lake County residents each year.

The Lake County Forest Preserve has more than 25 years of experience restoring native lands. That knowledge and experience, combined with the efforts of The City of Lake Forest, Lake Forest Openlands Association, and Openlands offers great opportunity to preserve and restore these rare wooded habitats along Lake Michigan to increase the functional size of this habitat across property boundaries.

7

(Redesign Proposals Only) Leverage (20 Points)

2,500 Characters Including Spaces – Describe how project will maximize funding by using it to leverage contributions as described in the Request for Proposals.

The Lake County Forest Preserve District has successfully implemented tree and shrub planting projects for over 25 years. Although funds are budgeted annually for these efforts, our current budget is insufficient to address all priority areas, especially large sites, such as this. Funding from this grant will allow the District to address planting in a high priority landscape that is currently not fully funded. Grant funds will be leveraged by a greater than 1:1 match allowing over \$2.00 to be spent for every Federal dollar allocated to this project. No additional funds for administrative or technical expertise are requested. The District will keep project costs to a minimum by providing all grant administration, contract bidding/oversight, as well as community outreach, and can provide all the technical expertise required to successfully plan and implement the project. Inhouse labor may be utilized or qualified, skilled, contractual labor will be solicited through a competitive bid process to complete the planting, watering, mulching and invasive plant control actions. Competitive bids will ensure the lowest qualified bidders for all labor and materials resulting in an estimated cost of less than \$88 per tree/shrub (when all of the proposed actions are considered). This amount accounts for the purchase of the tree/shrub, labor to plant the material, mulch and labor to apply the mulch, tree protection materials (and installation) for the larger trees to guard against deer damage, one year of watering treatments post-planting, and mowing of the project site for two consecutive years to reduce competition. To ensure a vigorous fibrous root system that will decrease planting shock and maintenance, thereby increasing survivorship and growth, all material to be planted shall be grown in RootMaker® System containers. This method may increase the cost of plant material slightly, but has shown a greater success rate with greater root development, water absorption, and vigor. More than 96% of the funds outlined in the proposed grant project budget will be utilized for on-the-ground actions.

8





FY2014 Northeast Area State And Private Forestry Competitive Allocaiton RFP Project Title: Reconnecting Urban Forests:Oak Woodland Restoration

Near Lake Michigan

Applicant: Lake County Forest Preserves

1,450

2,900

Feet



FY 2014 NORTHEASTERN AREA STATE AND PRIVATE FORESTRY RFF
LAKE COUNTY FOREST PRESERVES PROPOSAL
PROJECT TITLE: "RECONNECTING URBAN FORESTS: OAK WOODLAND RESTORATION NEAR LAKE MICHIGAN
PROPOSED SPECIES ORDER LIST BY MATERIAL SIZE

Species	Totals		5-Gallon			1-inch			1 %-inch		
Trees		*	Cost	Ext.	##:	Cost	EX	ŧ	Cost	Ext	#
Betula papyrifera (Paper Birch)	6	6	\$17.00	\$153.00						8000	
Carya cordiformis (Yellowbud Hickory)	12	12	\$15.00	\$180.00							
Carva ovata (Shagbark Hickory)	84	88	\$15.00	\$1,260,00							
Celtis occidentalis (Hackberry)	91	9	\$15.00	\$90.00	4	\$60.00	\$240.00				
Juglans cinera (Butternut)	18	10	\$17.00	\$1.70.00	00	\$75.00	\$600.00				
Pinus strobus (White Pine)	S				S	\$60.00	\$300.00				
Populus grandidentata (Large-toothed Aspen)	9	9	\$14.00	\$84.00							
Populus tremulaides (Quaking Aspen)	2	2	\$14.00	\$28.00							
Prunus serotina (Black Cherry)	9	Q	\$12.00	\$72.00							
Quercus alba (White Oak)	919	8	\$12.00	\$768.00	338	\$20.00	\$16,900.00	131	\$75.00	\$9,825.00	88
Quercus bicolor (Swamp White Oak)	00	00	\$12.00	\$96.00						-	
Quercus coccinea/ellipsaidalis (Scarlet/Hill's Oak)	92	S	\$11.00	\$22.00	40	\$20.00	\$2,000.00	11	\$80,00	\$880.00	
Quercus imbricaria (Shingle Oak)	8	S	\$15.00	\$75.00	ın.	\$20.00	\$250.00	S	\$80.00	\$400.00	S
Quercus macrocarpa (Bur Oak)	116	11	\$12.00	\$132.00	26	\$50.00	\$2,800.00	8	\$75.00	\$2,250.00	19
Queraus rubra (Red Oak)	162	15	\$15.00	\$225,00	88	\$55.00	\$5,225.00	8	\$75.00	\$2,250.00	22
Queras velutina (Black Oak)	91	0	\$11.00	\$99.00	28	\$20.00	\$2,900.00	14	\$75.00	\$1,050.00	10
Tree Total	1221	282		\$3,487.00	603		\$31,215.00	221		\$16,655.00	139
Shrubs											
Amelanchier laevis (Allegheny Shadblow)	Z	21	\$12.00	\$252.00							
Aronia melanocarpa (Chokeberry)	14	14	\$15.00	\$210.00							
Carpinus caroliniana (Musclewood)	32	35	211.00	535200							
Celastrus scandens (Bittersweet)	06	8	\$10.00	\$300,00			154				
Cercis canadensis (Redbud)	~				,	\$25.00	\$382.00				
Cornus obliqua (Silky Dogwood)	12	12	\$11.00	\$132.00							
Cornus stolonifera (Red Osler Dogwood)	13	IS	\$10.00	\$150.00							
Coryus americana (Hazenut)	177	777	\$10.00 \$13.00	\$2,210,00							
Crataeagus coccinea (Scanet Hawtinorn)	‡ 2	4 6	\$13.00	\$182.00							
Cratacagus crus-gaill (cocresput nawitioni)	7 6	35	00714	2004.00							
Cratageus mollis (Downy Hawthorn)	13 17	10 01	\$13.00	\$1,003.00 \$156.00							
Cratages punctara (Docted nawthorn) Dienvilla Ionicera (Dwarf Honevstokle)	3 15	3 15	\$13.00	\$325.00							
Gaylussacia baccata (Huckleberry)	6	0	\$16.00	\$144.00							
Hamamelis virginiana (Witch Hazel)	62	62	\$11.00	\$682.00							
Lindera benzoin (Spicebush)	5	Ŋ	\$11.00	\$55.00							
Lonicera prolifera (Yellow Honeysuckle)	110	110	\$11.00	\$1,210.00							
Malus ioensis (Iowa Crab)	35	32	\$14.00	\$448.00							
Ostry's virginians (ironwood) Development confidence (Altechants)	g c	4 D (\$14.00	\$59.00							
Principal american (Mild Blum)	2 5	n Cr	\$12.00	\$534.00							
Prints virginiana (Chokecherry)	191	191	\$12.00	\$2,292,00							
Ptelea trifoliata (Wafer Ash)	5	, in	\$11.00	\$55.00							
Rhus glabra (Smooth Sumac)	e	ന	\$10.00	\$30,00							
Rhus typhina (Staghorn Sumac)	10	10	\$15.00	\$150.00							
Ribes missouriense (Wild Gooseberry)	189	189	\$11.00	\$2,079.00							
Rosa blanda (Smooth Rose)	17	17	\$11.00	\$187.00							
Rosa carolina (Pasture Rose)	35	32	\$11.00	\$352.00							
Rosa setigera (Illinois Rose)	23	23	\$12.00	\$276.00							
Sambucus canadensis (Elderberry)	æ	ee .	\$10.00	\$330.00		Control (Statement	Washington and the second				
Sassatras albidum (Sassatras)	X	12	\$17.00	\$204.00	12	\$22.00	\$660.00				
Staphylea trifolia (Bladdernut)	I :	11	\$15.00	\$165.00							
Viburnum acentolium (Maple-leaved Vibernum)	42	42	\$17.00	\$714.00							
Viburnum lentago (Nannyberry)	84	85 F	\$10.00	\$840.00							
Viburnum prunifolium (Black Haw) Whurnum refinedentanim (Dommy Amortanood)	7 %	77	\$15.00	\$39000							
Yanthoxdum americanim (Prickly Ash)	8 6	5 6	\$15.00	23.50							
Shrub Total	1665	1646		\$19,197.00	19		\$1,045.00				
					i						

\$475.00 \$2,185.00 \$2,200.00 \$1,000.00 \$14,160.00

\$35.00 \$115.00 \$100.00 \$100.00

\$100.00 \$8,300.00

EXT.

2886 \$85,759.00 Project Total Pieces TOTAL COST (plant material only): 1898 988 Total 5-Gallon Trees and Shrubs Total Larger Trees (all sizes)

FY 2014 NORTHENSTERN AREA STATE AND PRINATE FORESTRY REP.
LANT COUNTY FOREST RESERVES PROPOSAL
PROFICT THE "RECONNECTING URBAN FORESTS" OAK WOODLAND RESTORATION NEAR LAKE MICHIGAN".
SPECIES ISES PAREA.

ARBOR DAY EVENIT TREES PROVIDED FREE TO PARTICIPANTS Project Partner Openlands 18.9 Agres 初元の Explicit Lead
Lake County Forest
Preserves Totals
110.9 Acres THE SET OF THE CONTRACT AND THE SET OF THE S \$2915.62 2 12 235.5 115.395 572.265 1 1583.62 2 245 3129 230.79 4 13266 Project Lead: Lake County Forest Preserves 1923.25 8 1471.875 572.265 105.975 3 99.49879 1177. 6 735.9375 6 735,9375 HDE: 560 Woodland Habitat 35.5 Aures HDE: 5/9 Vicodland > Hakitat 19.9 Acres FIDE: 378 Woodland Habitat 16.9 Acres lotal area covered by individual (sqf) 314 22.56 122.66.625 78.5 78.5 78.5 84.465 83.585 706.5 80.53 314 0.785 0.785 1122.05423 80.24 102.05423 490.023 490.023 490.023 122.05423 78.585 122.05423 78.585 123.05423 78.585 124.0543 78.585 125.05423 78.585 78.58 Certain provides (Page 1848)
Carpo conclination (Page 1848)
Ca Americanchine lacei (pilagimen bladition)
Americanchine lacei (pilagimen bladition)
(captus cardinates) (latticented)
(cardinates) (latticented)
(ca

883% Total Oaks 1059

516 8 8 20 20 20 116 116 91

Totale 140.0 Acres

Historically these lands were primarly Oxic Moodland with SD-80X tree coverage of the adjacent lands were cost suamnas with 30-90X tree coverage. This orders seeks to restore these lands to their historic tree density/compay. Coverage.

Unit Total Flecos/Percent Coverage *

Attachment B

- A. Worker's Compensation and Employer's Liability with limits not less than:
 - (1) Worker's Compensation: Statutory
 - (2) Employer's Liability:
 - a. \$1,000,000 injury per occurrence
 - b. \$500,000 disease per employee
 - c. \$500,000 disease policy limit

Such insurance shall evidence that coverage applies in the State of Illinois.

- B. <u>Comprehensive Motor Vehicle Liability</u> with limits for vehicles owned, non-owned or rented, not less than:
 - (1) Bodily Injury:
 - a. \$500,000 per person
 - b. \$1,000,000 per occurrence
 - (2) Property Damage:
 - a. \$500,000 per occurrence
 - b. \$1,000,000 aggregate

All employees shall be included as insured's.

- C. <u>Comprehensive General Liability:</u> If such CGL insurance contains a general aggregate limit, it shall apply separately to this project. With coverage written on an "occurrence" basis with limits no less than:
 - (1) General Aggregate: \$2,000,000
 - (2) Bodily Injury:
 - a. \$2,000,000 per person
 - b. \$2,000,000 per occurrence
 - (3) Property Damage:
 - a. \$2,000,000 per occurrence
 - b. \$2,000,000 aggregate
 - (4) Other Coverages:
 - Premises/Operations
 - Products/Completed Operations (to be maintained for two years following Final Payment)
 - Independent Contractors
 - Personal Injury (with Employment Exclusion deleted)
 - Broad Form Property Damage Endorsement
 - Blanket Contractual Liability (must expressly cover the indemnity provisions of the Contract)
 - Bodily Injury and Property Damage "X", "C", and "U" exclusions shall be deleted

Railroad exclusions shall be deleted if Work Site is within 50 feet of any railroad tracks.

All employees shall be included as insured's.

D. Owner's and Contractor's Protective Liability Insurance. Contractor, at its sole cost and expense, shall purchase this insurance in the name of Owner with a combined single limit for bodily injury and property damage of not less than \$1,000,000.

Attachment C

Report Forms

Includes:

- i.
- Interim Reporting Form Annual Financial Reporting Form Final Reporting Forms ii.
- iii.

Interim Reporting Form

SAMPLE FORMAT FOR PROGRESS REPORT Date: **Report Period: Grant Project Period: Grant Recipient: Grant Number: Recipient Contact Person: Principal Investigator/Project Director:** Progress Achieve in Accomplishing Project Goals & Objectives (Goals and objectives should correspond to the goals and objectives in the approved grant application). Goal/Objective 1 Planned: Actual: Unit Costs: Goal/Objective 2 Planned: Actual: Unit Costs: Difficulties Encountered (As applicable, should include information on specific reasons why goals and objectives were not met, and analysis and explanations of cost overruns and high unit costs) Goal/Objective #: Problem(s): Resolution/Corrective Action Plan and Schedule: Activity Anticipated Next Reporting Period (Should correspond to the "Planned" entries under Progress Achieved in the next report) Goal/Objective #: Goal/Objective #:

Annual Financial Reporting Form

US Forest Service Northeastern Area, State and Private Forestry Grant Reconnecting Urban Forests: Oak Woodland Restoration Near Lake Michigan

GRANTEE Age	ncy Name					
REPORTING F	PERIOD DATES					
Start Date	End Date	Expenditure Category (Contractuals or Staff Time)	Tasks Accomplished	Units Completed (e.g., hours, acres)	Cost per Unit	Total Cost
					Subtotal	
					In-Kind Match	()
				Total Reimbur	sement Request	

If employee or limited term employee time is included in the financial report for in-kind match, provide additional detail in the following time record form and submit with financial report.

Employee Time Record						
Agency N	ame		_			
		REPORTING F	PERIOD DATES			
Employee Name	Employee Title	Start Date	End Date	Hours Worked	Hourly Rate	Total Amount
					Subtotal	
				ı	n-Kind Match*	:
				Reir	nbursement**	:
		To	tal Reimbursen	nent Request for E	mployee Time	
•	•	•				•
Employee Signature	Date		Supervisor Sign	nature		Date

^{*} Indicate Amount of Total to be used for In-kind Match

^{**} Indicate Amount of Total that you are requesting for Reimbursement

Final Reporting Form
US Forest Service Northeastern Area, State and Private Forestry Grant
Reconnecting Urban Forests: Oak Woodland Restoration Near Lake Michigan

I.	Grantee Information	
Gran	tee Agency Name:	
Gran	tee Address:	
Gran	tee Phone/Fax/E-mail:	
II.	Reporting Period	
	from	to
III.	accomplished during the p challenges encountered we to specifically address action outcomes identified in the outcomes were accomplish project areas, work in progractions undertaken as a particle and the expenditures, including station-kind match.	ehensive, quantified description of the work roject period, including how problems and ere solved. The GRANTEE shall format the report ons undertaken to accomplish the outputs and SCOPE OF WORK and whether the outputs and ned. Provide before, during and after photos of tress, and any other actions that demonstrate art of this grant. Provide a summary of aff time, which reflects reimbursed expenses and
	Narrative:	

AGREEMENT between the LAKE COUNTY FOREST PRESERVE DISTRICT and OPENLANDS related to the US FOREST SERVICE, STATE AND PRIVATE FORESTRY GRANT

THIS AGREEMENT is by and between the LAKE COUNTY FOREST PRESERVE DISTRICT, 1899 West Winchester Road, Libertyville, Illinois 60048 (the "DISTRICT") and OPENLANDS, 25 EAST WASHINGTON STREET, SUITE 1650 CHICAGO, ILLINOIS 60602 ("PARTNER") and is entered into as of the date upon it has been executed by both DISTRICT and PARTNER, as indicated by their signatures below (the "EXECUTION DATE").

PURPOSE

This Agreement between the DISTRICT and PARTNER describes the parties' cooperation in the US Forest Service, Northeast Area State and Private Forestry (NASPF) grant project, which is described in the project narrative for the full grant proposal titled "Reconnecting Urban Forests: Oak Woodland Restoration Near Lake Michigan" attached to this Agreement as Attachment A (the "PROJECT"). The PROJECT will include planting of native trees and shrubs within the project area, including on PARTNER lands. Under the terms of the NASPF grant agreement with the DISTRICT ("GRANT AGREEMENT"), the value of a portion of (i) the PROJECT coordination, oversight, and other in-kind services on or related to PARTNER lands performed by the PARTNER and (ii) certain other contributions made by the PARTNER related to the PROJECT (collectively, "IN-KIND CONTRIBUTIONS") can be used as a match towards the local contribution that is required by the GRANT AGREEMENT. The PROJECT is mutually beneficial for both the DISTRICT and PARTNER.

TERMS AND CONDITIONS

- 1. The duration of the PROJECT is 10/1/2014 to 12/31/2016.
- The DISTRICT will administer the GRANT AGREEMENT.
- 3. PARTNER shall provide IN-KIND CONTRIBUTIONS, to be used as part of the local contribution that is required by the GRANT AGREEMENT ("PARTNER'S CONTRIBUTION"), with a total value of not less than \$6,000.00.
- 4. To fulfill its obligation to provide the PARTNER'S CONTRIBUTION, PARTNER shall, during the PROJECT DURATION, (i) perform any necessary site work to prepare planting areas for tree/shrub installation (includes clearing if necessary), (ii) install 93 trees and 90 shrubs as specified in the plan (see Attachment A), and (iii) maintain trees/shrubs as necessary to ensure survival, may include but is not limited to: mulching, watering, and wildlife protection.
- 5. PARTNER will deliver to the DISTRICT a written Request for Reimbursement of costs upon completion of approved PARTNER work. Requests for Reimbursement can be submitted to the DISTRICT as frequently as quarterly, but no less than once per year, unless otherwise approved by the DISTRICT. Copies of all source documents which provide evidence of expenditures paid for, including such items as canceled checks,

purchase orders, invoices, or other evidence of paid bills shall be submitted with this request. The DISTRICT shall not pay any amount for expenses or labor not specified for the PARTNER work. PARTNER's indirect costs shall not be reimbursable under this agreement. Reimbursement to PARTNER shall be processed within 60 days of receipt of the reimbursement request. Reimbursement shall be made to the PARTNER via check. PARTNER shall be reimbursed a total of \$5,000.00 in financial assistance upon successful completion of PARTNER work.

- 6. Notwithstanding any other provision of this Contract and without prejudice to any of DISTRICT's other rights or remedies, DISTRICT shall have the right at any time or times, whether before or after approval of any Pay Request, to deduct and withhold from any Progress or Final Payment that may be or become due under this Agreement such amount as may reasonably appear necessary, up to twenty percent of the Federal Assistance, until PARTNER shall have satisfactorily completed the work of this project and supplied all necessary reports (Performance and Financial Reports see paragraphs 7 9 below) to DISTRICT.
- 7. PARTNER shall submit an Interim Performance Report to the DISTRICT by December 15th of each year (2015, 2016) in the form provided in Attachment C. In the first Interim Performance Report, PARTNER shall summarize the PARTNER WORK accomplished from the EXECUTION DATE to the first Interim Performance reporting date. In the second Interim Performance Reports, PARTNER shall summarize the PARTNER WORK accomplished since the first Interim Performance Report was submitted. In the Interim Performance Report, PARTNER shall (i) include a narrative and photos describing the accomplishments and anticipated future PARTNER WORK, (ii) use English units of measure, and (iii) and use terms understandable to the lay population.
- 8. PARTNER shall submit an Annual Financial Report (in the form provided in Attachment C) to the DISTRICT by October 1st of each year (2015 and 2016) which shall cover expenditures from the previous federal fiscal year (October 1 September 30). In the Annual Financial Report, PARTNER shall include information on all IN-KIND CONTRIBUTIONS that the PARTNER has made prior to the reporting date.
- 9. PARTNER shall submit a Final Performance and Financial Report (in the form provided in Attachment C) to the DISTRICT no later than December 31, 2016. In the Final Report, PARTNER shall (i) describe all PARTNER WORK, including all accomplishments, outcomes, and expenditures for the PARTNER WORK and including a narrative, and before and after photos, (ii) fully document PARTNER's completion of the PARTNER WORK and proof of PARTNER'S expenditures, (iii) use English units of measure, and (iv) use terms understandable to the lay population.
- 10. This AGREEMENT may be amended only with the written approval of both parties.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed, as evidenced by the signatures of their duly authorized representative as affixed below.

LAKE COUNTY FOREST PRESERVE	OPENLANDS
DISTRICT:	

-_____

Alex Ty Kovach, Executive Director	Gerald Adelmann, President & CEO
Date:	Date:

Attachment A

Full Proposal Project Narrative

State and Private Forestry FY 2014 Northeastern Area Competitive Resource Allocation Project Proposal

Admin	istration	Information	:
Propos	sal Numb	er:	
State:	IL	RFP Category:	1
	Funds	s Requested:	\$ 126,140.00
		Match:	\$ 150.140.00

		Applicant Info	rmation			
	Project Applicant:	Lake County Fo	orest	Preserves		
	Contact Person:	Matt Ueltzen				
1	Address:	1899 West Winchester Ro	oad			
	City:	Libertyville	State:	IL.	Zipcode:	60048-5367
	Phone:	(847) 968-3290	Email:	mueltzen@lcfpd.	org	
	Spatial Data Coordinator:	(SMART data entry)				

			Project Inform	nation			
	Descriptive Title of Project:		necting Urban F Iichigan	orests: Oa	k Woodland	l Restoratio	on Near
	Project Technical Contact:	Matt Ue	ltzen				
	Project Duration:	C	One Year	O Tw	o Years	Thr	ee Years
	RFP Category (select one):		(Redesign	ı'	H	azard Miti	gation
	Land Ownership Type		Private	Fe Fe	ederal		State
2	Land Ownership Type:	[Other:	County			
2	Letters of Support*:	State Forester(s):				Other:	
	List Partner Organizations:	State	State Partner				
	Partner 2:	IL	The City of Lake Forest				
	Partner 3:	IL	Lake Forest Open Lands Association				
	Partner 4:	IL	Openlands				
	Partner 5:						
	Partner 6:						
	Partner 7:						
	Partner 8:						
	Partner 9:						

^{*} Note, Concurrence of the state forester is required for any state within which funds are to be received or work is to be performed.

Project Overview (Redesign and Forest Fire Hazard Mitigation Proposals)

2000 Characters Including Spaces – Provide a comprehensive but succinct overview of the proposed project that includes basic details of who is doing what, where, and why (in context of elsewhere documented need). Address the project's suitability as the most appropriate scale of response (local, statewide, multi-state or national) to the issue being addressed.

Lake County Forest Preserve District (District) and partners will address the Illinois Forest Action Plan issues of forest fragmentation and decline of oak dominance by planting a diverse assemblage of 2880+ native trees (primarily oaks; 88% of larger trees) and shrubs as part of an 140-acre oak woodland restoration project. The project area lies within a priority urban forest landscape located within and adjacent to Fort Sheridan Forest Preserve. This project will help connect over 410 acres of protected, forested Lake Michigan ravine and bluffs communities, noted for their floristic diversity and state-protected plant species, and increase available nesting habitat for forest birds and stop-over habitat for all migratory birds. Planting young cohorts of oaks now will help mediate a lack of oak regeneration and increase oak-dominance, as well as future tree recruitment. The project areas are part of a highly visited, historic preserve with existing public access, providing significant opportunities to engage the public about the importance of trees and urban forest conservation.

3

Working with the proposed partners will reduce edge effects and allow for larger, landscape scale, management of this woodland across political/management boundaries. While local in scope, this project has great regional importance for oak ecosystem recovery and conservation of rare plants and wildlife.

Budget Table Explanation

500 Characters Including Spaces – Provide any additional remarks needed to clarify your budget request. For example, provide an explanation if you have a partner contributing funds to cover construction or other federally unallowable portions of your project.

This project has multiple partners working in additional project areas adjacent to the applicant's site. Partner matching funds have been entered in the "Other Contributor's" column. Additional budget information is included in the supplemental materials. Personnel costs have been kept to a minimum and reflect only time needed to perform public bidding, purchasing, and project oversight. \$15K has been added to Applicant "contractual" column (match) for ongoing site invasive species management.

4

FY 2014 NORTHEASTERN AREA STATE AND PRIVATE FORESTRY RFP LAKE COUNTY FOREST PRESERVES PROPOSAL

PROJECT TITLE: "RECONNECTING URBAN FORESTS: OAK WOODLAND RESTORATION NEAR LAKE MICHIGAN"

PROJECT BUDGET

	Project Lead:	Project Partner: City of Lake Forest/	Project Partner:	TOTAL:
	Forest Preserves	Lake Forest Openlands		
Mulch	\$16,800.00			\$16,800.00
Tree Protection	\$2,200.00		\$500.00	\$2,700.00
Installation	\$102,720.00	\$4,000.00	\$2,500.00	\$109,220.00
Trees and Shrubs	\$76,760.00	\$4,000.00	\$5,000.00	\$85,760.00
Mow Fields Prior to Planting and After Year 1	\$2,800.00			\$2,800.00
Watering Contract (Year 2)	\$31,000.00	\$2,000.00	\$2,000.00	\$35,000.00
Partner Total	\$232,280.00	\$10,000.00	\$10,000.00	\$252,280.00
Additional Actions (Counted as Match) Project Oversite (Field and Office e.g. bidding, purchasing,				
planning, monitoring and reporting)	\$7,000.00	\$1,000.00	\$1,000.00	\$9,000.00
Invasive Species Control (Contractual)	\$15,000.00			\$15,000.00
PROJECT TOTALS	\$254,280.00	\$11,000.00	\$11,000.00	\$276,280.00
Total Supplies (Trees, Shrubs, Mulch, Tree Protection): Total Contractual (Installation, Mowing, and Watering): *	\$95,760.00	\$4,000.00	\$5,500.00	\$105,260.00 \$147,020.00
,	Schools of the Park State of the State of th			

^{*} Invasive Species Control not included in this figure as it is considered for Match ** Match amount includes Invasive Species Contol Contractual

			Ove	Overall Project Budget	et		
				Leverage ¹	age ¹		
		Grant	Non-Fede	Non-Federal Match	Non-Match	Source	TOTAL
		Federal Funds Requested	Applicant	Other Contributor/s	Applicant, Non-Federal, and/or Federal	3 rd Party Contributor/s (name)	Total Project Cost
	Personnel / Labor:		\$ 7,000.00 \$ 2,000.00	\$ 2,000.00			\$ 9,000.00
	Fringe Benefits:						\$ 0.00
	Travel:						\$ 0.00
4	Equipment:						\$ 0.00
	Supplies:	\$ 52,630.00	\$ 52,630.00 \$ 47,880.00 \$ 4,750.00	\$ 4,750.00			\$ 105,260.00
	Contractual:	\$ 73,510.00	\$ 73,510.00 \$ 83,260.00 \$ 5,250.00	\$ 5,250.00			\$ 162,020.00
	Construction:						\$ 0.00
	Other:						\$ 0.00
	Indirect Costs ² :						\$ 0.00
	TOTAL: \$ 126,		140.00 \$ 138,140.00 \$ 12,000.00	\$ 12,000.00	\$ 0.00		\$ 276,280.00

If any part of your match requirement is being covered through a consolidated payment grant (CPG) please enter dollar value here: \$\frac{1}{2}\$

¹ Funds qualifying as "match" must meet the same program requirements as grant funds (e.g., program authorities, non-federal sources). Other "non-match" leveraged funds do not need to meet the same standards (e.g., may include funds for construction, funds from other federal partnership with other USFS programs outside of State & Private Forestry, as well as other federal and state programs is encouraged. See FAQ online for more information: http://na.fs.fed.us/rfp/
² Indirect costs must be tied to an established rate. Waived indirect costs are an acceptable source of match.

Page 3 of 12 This completed form will be posted online and may be shared after all proposals are received. 08/07/13 Final

State and Private Forestry FY 2014 Northeastern Area Competitive Resource Allocation Project Proposal Supplement 2 – List of Additional Partners

Project Title:	Lake Wildrigan Applicant. Lake County Forest Freserves		
Partner Number:	State	Partner Organization	\$
Partner 1	IL	City of Lake Forest	\checkmark
Partner 2	IL	Lake Forest Open Lands Association (Assists with site management to City of Lake Forest)	
Partner 3	IL	Openlands	✓
Partner 4	IL	Chicago Wilderness (Project Support)	
Partner 5	IL	The Morton Arboretum (Project Support)	
Partner			

FY 2014 Northeastern Area Competitive Resource Allocation Project Proposal Supplement 1 – Partner Budget Table State and Private Forestry

Project Title:	Reconnecting Urban	ng Urban Forests. Oak Woodland Restoration Near Lake Michigan Applicant: Lake County Forest Preserves	storation Near Lake Michiga	an Applicant Lake Coun	ty Forest Preserves	
Partner:		City of Lake Forest (Lake Forest Open Lands Association will assist in future management and is listed as a partner, but will not contribute financially)	ll assist in future management ar	nd is listed as a partner, but will	not contribute financially)	State: IL
			Leverage	ge ¹		
	Grant	Non-Federal Match	al Match	Non-Match	Source	TOTAL
	Funds Requested	Applicant	Other Contributors	Applicant, Non-Federal, and/or Federal	3 rd Party Contributor/s	Total Partner Cost
Personnel / Labor:	\bigvee	\$ 7,000.00	\$ 2,000.00		\bigvee	\$ 1,000.00
Fringe Benefits:	\bigvee				\bigvee	\$ 0.00
Travel:	\bigvee				\bigvee	\$ 0.00
Equipment:	\bigvee				\bigvee	\$ 0.00
Supplies:	\bigvee	\$ 47,880.00	\$ 4,750.00		\bigvee	\$ 2,000.00
Contractual:	\bigvee	\$ 83,260.00	\$ 5,250.00		\bigvee	\$ 3,000.00
Construction:	\bigvee				\bigvee	\$ 0.00
Other:	\bigvee				\bigvee	\$ 0.00
Indirect Costs ² :	\bigvee				\bigvee	\$ 0.00
TOTAL:	\bigvee	\$ 138,140.00	\$ 12,000.00	\$ 0.00	\bigvee	\$ 6,000.00

¹ Funds qualifying as "match" must meet the same program requirements as grant funds (e.g., program authorities, non-federal sources). Other "non-match" leveraged funds do not need to meet the same standards (e.g., may include funds for construction, funds from other federal partners). Partnership with other USFS programs outside of State & Private Forestry, as well as other federal and state programs is encouraged. See FAQ online for more information: http://na.fs.fed.us/rfp/<a href="htt

Project Proposal Supplement I Partner Budget

FY 2014 Northeastern Area Competitive Resource Allocation

FY 2014 Northeastern Area Competitive Resource Allocation Project Proposal Supplement 1 – Partner Budget Table State and Private Forestry

Project Title:	Reconnecting Urban	ng Urban Forests. Oak Woodland Restoration Near Lake Michigan Applicant: Lake County Forest Preserves	storation Near Lake Michiga	an Applicant Lake Coun	ty Forest Preserves	
Partner:		City of Lake Forest (Lake Forest Open Lands Association will assist in future management and is listed as a partner, but will not contribute financially)	ll assist in future management ar	nd is listed as a partner, but will	not contribute financially)	State: IL
			Leverage	ge ¹		
	Grant	Non-Federal Match	al Match	Non-Match	Source	TOTAL
	Funds Requested	Applicant	Other Contributors	Applicant, Non-Federal, and/or Federal	3 rd Party Contributor/s	Total Partner Cost
Personnel / Labor:	\bigvee	\$ 7,000.00	\$ 2,000.00		\bigvee	\$ 1,000.00
Fringe Benefits:	\bigvee				\bigvee	\$ 0.00
Travel:	\bigvee				\bigvee	\$ 0.00
Equipment:	\bigvee				\bigvee	\$ 0.00
Supplies:	\bigvee	\$ 47,880.00	\$ 4,750.00		\bigvee	\$ 2,000.00
Contractual:	\bigvee	\$ 83,260.00	\$ 5,250.00		\bigvee	\$ 3,000.00
Construction:	\bigvee				\bigvee	\$ 0.00
Other:	\bigvee				\bigvee	\$ 0.00
Indirect Costs ² :	\bigvee				\bigvee	\$ 0.00
TOTAL:	\bigvee	\$ 138,140.00	\$ 12,000.00	\$ 0.00	\bigvee	\$ 6,000.00

¹ Funds qualifying as "match" must meet the same program requirements as grant funds (e.g., program authorities, non-federal sources). Other "non-match" leveraged funds do not need to meet the same standards (e.g., may include funds for construction, funds from other federal partners). Partnership with other USFS programs outside of State & Private Forestry, as well as other federal and state programs is encouraged. See FAQ online for more information: http://na.fs.fed.us/rfp/<a href="htt

Project Proposal Supplement I Partner Budget

FY 2014 Northeastern Area Competitive Resource Allocation

Sections 5-8 to be completed for 'Redesign' Proposals Only

(Redesign Proposals Only) Desired Future Condition (25 points)

2,500 Characters Including Spaces – Identify how the project addresses a priority in the Forest Action Plan and leads to a desired future condition as described in the Request for Proposals.

The goals of this project directly address priority issues of the Illinois Forest Action Plan.

1) THREAT: Changing Forest Landscape

GOAL: Reduce fragmentation of coastal ravines to provide increased habitat for wildlife, corridors for wildlife migration and dispersal, and increased suitable habitat for rare species.

Proposed Actions: Strategic planting and maintenance of saplings and young trees will provide for future canopy structure on the plateau between two high quality ravines, helping reconnect over 350 acres of forested land and restoring regionally rare oak woodland. Planting of native shrubs will increase structural diversity and provide critical habitat for wildlife.

2) THREAT: Decline of Oak Dominance

GOAL: Increase the abundance and distribution of oaks where regeneration is lacking.

Proposed Actions: Planting a diverse assemblage of trees dominated by oaks. Our planting plan specifies oaks make up 87% of all canopy trees planted. High quality multi-aged oak stock from local nurseries will be planted with proven methods, maintained with watering and deer protection. Increasing the number of healthy oaks in locations where they are currently not growing will increase the population size of future acorn-producing trees, leading to greater local dispersal and recruitment.

3) THREAT: Forest Health Decline

GOAL: Reduce the abundance of invasive plants and mitigate the habitat loss anticipated from Emerald Ash Borer (EAB)

Proposed Actions: Invasive plant management has been ongoing since 2005 when aggressive action was taken to remove invasive shrubs from the ravines. However, invasive shrubs still grow on the plateau between the ravines. This project will allow for the cutting and herbiciding of invasive shrubs in the 80 acre project area, completing the initial removal efforts within the preserve.

Ash are present within limited portions of the project area and are impacted by EAB. Tree planting will help mitigate the impact resulting from the loss of canopy ash.

An addendum to the Illinois Forest Action Plan was recently published addressing Urban and Community Forestry. As proposed, this project would address several priorities and action items found within the addendum: Improve and Expand Forest Composition and Health; Achieve Widespread Illinois Urban Forestry Sustainability and Management; Education and Training for Professionals and Non-professionals; Urban Forest Plants, Insect and Disease Invasive Species Awareness and Management.

	(Redesign Proposals Only) Measurable Results and Significant On-The-Ground Outc	comes (35 points)
	Measure (identify measures applicable under the following National Themes)	Number of units expected
	Conserving and Managing Working Forest Landscapes	
	Restore high priority oak woodland habitats in urbanized area	140 Acres
	Habitats with increased connectivity through reduced fragmentation	410 Acres
	Planting native oaks	Over 1,000 Oaks
	Planting of native trees (non-oaks) and shrubs	Over 1,800 Trees/Shrubs
	Protect Forests from Threats	
	Control invasive species establishment in planting areas via mowing/herbicide treatments	
	Control invasive species within and adjacent to project areas through season-long contractual labor	~350 hours of control labor
6		
	Enhance Public Benefits from Private Forests	
	Annual functional value of trees based on size of plants at time of installation*	\$5,954.00
	Reduced run-off: Total gallons of water intercepted annually*	23,165 Gallons
	Improved air quality: Pounds of carbon sequestered annually*	20,943 Pounds of Carbon
	Protect and enhance wildlife habitat, especially for birds	140 Acres / 66 Bird Species
	Enhance/Increase potential habitat for area-sensitive bird species	24 Area-Sensitive Bird Species
	Increase potential habitat for site's rare plant species	2 State Endangered Plants
		4 State Threatened Plants
	Increase public awareness of native plants/plant selection/ proper planting techniques via Arbor Day events	2 Arbor Day Events in 2015 & 2016
	* Based on data from national Tree Benefit Calculator from Arbor Day Foundation	

(Redesign Proposals Only) Collaboration and Integrated Delivery that Influence Positive Change (20 Points)

2,500 Characters Including Spaces –Describe how reaching the goals and achievements of the project will affect positive changes on the ground as described in the Request for Proposals

The project area was chosen based on its regional significance and public accessibility. For example, Chicago Wilderness, a regional alliance of more than 260 organizations recommended this preserve as a Resource Protection Area. Ecological outcomes of this project include: restoration of 140 acres of woodland, reconnection of 410 acres of forested communities, increased habitat for six state-protected plant species found near the project area, increased opportunities for migratory bird stop-over, and increased habitat for the 66 bird species known from the site. Reducing the abundance of invasive plants across 140 acres will improve the floristic quality and health of the forested communities throughout the preserve. Further, increased connectivity of different habitat types (forested ravine, lake bluff, beach, and woodland plateau) will create a mosaic of habitat and corridors for plant and animal movement. This project also addresses Actions 1, 2, 6, & 7 of the Forests Campaign and Actions 1, 2, 5, & 6 of the Green Cities Campaign of the Illinois Wildlife Action Plan.

Because this project area is located within an urbanized area of high population density (Lake County is the 3rd most populous county in IL with more than 706,000 residents), there are great opportunities to educate residents and visitors about the importance of trees and forest community restoration. The local community will benefit from access to the active woodland restoration area, having increased opportunities for wildlife viewing. The existing trail system, which winds through the project area, will bring the woodland to the public. As a way to further reach out to the public, two Arbor Day events in 2015 and 2016 will be conducted, providing educational materials on trees, demonstrating proper planting techniques, offering tree selection advice and information on forest health issues, such as invasive species and EAB to an estimated 60 Lake County residents each year.

The Lake County Forest Preserve has more than 25 years of experience restoring native lands. That knowledge and experience, combined with the efforts of The City of Lake Forest, Lake Forest Openlands Association, and Openlands offers great opportunity to preserve and restore these rare wooded habitats along Lake Michigan to increase the functional size of this habitat across property boundaries.

7

(Redesign Proposals Only) Leverage (20 Points)

2,500 Characters Including Spaces – Describe how project will maximize funding by using it to leverage contributions as described in the Request for Proposals.

The Lake County Forest Preserve District has successfully implemented tree and shrub planting projects for over 25 years. Although funds are budgeted annually for these efforts, our current budget is insufficient to address all priority areas, especially large sites, such as this. Funding from this grant will allow the District to address planting in a high priority landscape that is currently not fully funded. Grant funds will be leveraged by a greater than 1:1 match allowing over \$2.00 to be spent for every Federal dollar allocated to this project. No additional funds for administrative or technical expertise are requested. The District will keep project costs to a minimum by providing all grant administration, contract bidding/oversight, as well as community outreach, and can provide all the technical expertise required to successfully plan and implement the project. Inhouse labor may be utilized or qualified, skilled, contractual labor will be solicited through a competitive bid process to complete the planting, watering, mulching and invasive plant control actions. Competitive bids will ensure the lowest qualified bidders for all labor and materials resulting in an estimated cost of less than \$88 per tree/shrub (when all of the proposed actions are considered). This amount accounts for the purchase of the tree/shrub, labor to plant the material, mulch and labor to apply the mulch, tree protection materials (and installation) for the larger trees to guard against deer damage, one year of watering treatments post-planting, and mowing of the project site for two consecutive years to reduce competition. To ensure a vigorous fibrous root system that will decrease planting shock and maintenance, thereby increasing survivorship and growth, all material to be planted shall be grown in RootMaker® System containers. This method may increase the cost of plant material slightly, but has shown a greater success rate with greater root development, water absorption, and vigor. More than 96% of the funds outlined in the proposed grant project budget will be utilized for on-the-ground actions.

8





FY2014 Northeast Area State And Private Forestry Competitive Allocaiton RFP Project Title: Reconnecting Urban Forests:Oak Woodland Restoration

Near Lake Michigan

Applicant: Lake County Forest Preserves

1,450

2,900

Feet



FY 2014 NORTHEASTERN AREA STATE AND PRIVATE FORESTRY RFF
LAKE COUNTY FOREST PRESERVES PROPOSAL
PROJECT TITLE: "RECONNECTING URBAN FORESTS: OAK WOODLAND RESTORATION NEAR LAKE MICHIGAN
PROPOSED SPECIES ORDER LIST BY MATERIAL SIZE

The page little) 1	Salas	Totals		5-Gallon			1-inch			1.35-inch		
1	Trees		##	Cost	EXT	#1:	Cost	E E	*	Cost	Ext	#
11 11 12 13 13 13 13 13	Betula papyrifera (Paper Birch)	6		\$17.00	\$153.00							
1	Carya cordiformis (Yellowbud Hickory)	12	12	\$15.00	\$180.00							
10	Carva ovata (Shagbark Hickory)	84	88	\$15.00	\$1,260,00							
1	Celtis occidentalis (Hackberry)	91	9	\$15.00	\$90.00	47	\$60.00	\$240.00				
10 10 10 10 10 10 10 10	Juglans cinera (Butternut)	18	10	\$17.00	\$1.70.00	00	\$75.00	\$600.00				
Column C	Pinus strobus (White Pine)	S				Ŋ	\$60.00	\$300.00				
1	Populus grandidentata (Large-toothed Aspen)	9	9	\$14.00	\$84.00							
616 6 \$12.00 \$78.00 \$16.00 \$16.00 \$13.00 \$15.00 116 11 11 \$11.00 \$15.00 \$15.00 \$15.00 \$15.00 116 11 \$11.00 \$15.00 \$15.00 \$15.00 \$15.00 117 118 119 \$11.00 \$15.00 \$15.00 \$15.00 \$15.00 118 119 119 \$11.00 \$15.00 \$15.00 \$15.00 \$15.00 119 119 119 \$11.00 \$12.00 \$15.00 \$15.00 \$15.00 119 119 119 \$11.00 \$12.00 119 119 110 \$11.00 \$11.00 110 110 \$11.00 110 110 \$11.00 110 110 \$11.00 110 110 \$11.00 110 110 \$11.00 110 110 \$11.00 110 110 \$11.00 110 110 \$11.00 110 110 \$11.00 110	Populus tremulaides (Quaking Aspen)	2	2	\$14.00	\$28.00							
Mail	Prunus serotina (Black Cherry)	9	Q	\$12.00	\$72.00							
Mills cale 56 \$12,000 \$55,000 \$55,000 \$1,000 \$55,000 \$1,000 \$55,000 \$1,0	Quercus alba (White Oak)	919	8	\$12.00	\$768.00	338	\$20.00	\$16,900.00	131	\$75.00	\$9,825.00	88
Mail California Mail	Quercus bicolor (Swamp White Oak)	00	00	\$12.00	\$36.00			100			9	
116 115	Quercus coccinea/ellipsoidalis (Scarlet/Hill's Oak)	92	'n	\$11.00	\$22.00	40	\$20.00	\$2,000.00	11	\$80.00	\$880.00	
116 11 112.00 123.00 25 250.00 20 575.00 20 275.00 20 275.00 20 275.00 20 275.00 20 275.00 20 275.00 20 275.00 20 275.00 20 275.00 20 275.00 27	Quercus imbricaria (Shingle Oak)	OR.	S	\$15.00	\$75.00	Ŋ	\$50.00	\$250.00	Ŋ	\$80.00	\$400.00	S
142 15 15 15 15 15 15 15 1	Quercus macrocarpa (Bur Oak)	116	11	\$12.00	\$132.00	26	\$50.00	\$2,800.00	8	\$75.00	\$2,250.00	19
91 9 51100 \$598.00 52,500.00 14 \$55.00	Quercus rubra (Red Oak)	162	15	\$15.00	\$225.00	88	\$55.00	\$5,225.00	8	\$75.00	\$2,250.00	22
1221 524 5348700 609 531,215.00 5221 5220 538,000 531,215.00 5221 5220 538,000 531,025.00 532	Quercus velutina (Black Oak)	91	σ	\$11.00	\$99.00	28	\$50.00	\$2,900.00	14	\$75.00	\$1,050.00	10
(d) 14 \$15.00 \$25.00 14 \$15.00 \$25.00 15 \$1.00 \$25.00 16 \$1.00 \$20.00 17 \$1.00 \$10.00 \$20.00 18 \$1.00 \$20.00 19 \$1.00 \$10.00 \$20.00 19 \$1.00 \$10.00 \$20.00 19 \$1.00 \$10.00 \$10.00 19 \$1.00 \$10.00 \$10.00 19 \$1.00 \$10.00 \$10.00 19 \$1.00 \$10.00 \$10.00 19 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 \$10.00 10 \$1.00 10	Tree Total	1221	252		\$3,487.00	609		\$31,215.00	221		\$16,655.00	139
(d) 121 12 511200 552200 22	Shrubs											
14	Amelanchier laevis (Allegheny Shadblow)	12	21	\$12.00	\$252.00							
11 12 11 12 13 13 13 13	Aronia melanocarpa (Chokeberry)	14	14	\$15.00	\$210.00							
1	Carpinus caroliniana (Musclewood)	32	32	\$11.00	\$352.00							
(d) 17 55500 (d)	Celastrus scandens (Bittersweet)	90	8	\$10.00	\$900.00			ñ				
(d) 15 1100 513200 (d) 16 12 12 511000 5132000 (d) 16 12 12 513000 5136000 (e) 25 25 513000 5136000 (e) 25 513000 5136000 (e) 25 513000 5136000 (e) 26 5131000	Cercis canadensis (Redbud)	7			ě	7	\$55.00	\$382.00				
(d) 15 15 10.000 52.0000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.00000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.00000 10.00000 10.0000 10.0000 10.0000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.000000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.000000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.000000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.000000 10.00000 10.00000 10.00000 10.000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.0000000 10.000000 10.000000 10.000000 10.000000 10.000000 10.00000000	Cornus abliqua (Silky Dogwood)	12	12	\$11.00	\$132.00							
121 121 131 132	Cornus stolonifera (Red Osier Dogwood)	15	15	\$10.00	\$150.00							
1	Corylus americana (Hazelnut)	221	221	\$10.00	\$2,210.00							
(i) 81 1130 1156000 115600 115600 115600 115600 115600 115600 115600 115600 115600 115600 11	Crataeagus coccinea (Scarlet Hawthorn)	14	14	\$13.00	\$182.00							
12 12 13 13 13 13 13 13	Crataeagus crus-galli (Cock-spur Hawthorn)	35	32	\$12.00	\$384.00							
1	Grataegus mollis (Downy Hawthorn)	1.0	100	\$13.00	\$1,053.00							
9 9 5 15000 5144000 110	of at aregus, puriotate (potretti mawriflorin). Diapoilla loninera (Duraff Honavordkla).	21 %	3 8	\$13.00	\$130.00 \$3.35.00							
62 62 \$1100 \$68200 110 110 \$1100 \$1200 \$68200 12 13 110 \$1100 \$1200 \$1200 13 13 1400 \$1400 \$64400 191 131 \$1200 \$63400 191 131 \$1200 \$23400 191 131 \$1200 \$23400 191 131 \$1200 \$23400 191 131 \$1200 \$23400 191 131 \$1200 \$23000 191 17 \$1100 \$13000 191 17 \$1100 \$13000 191 17 \$1100 \$13000 191 17 \$1100 \$13000 191 191 \$1200 \$20400 191 191 \$1000 \$20400 191 191 \$2000 \$20400 191 191 191 191 191 \$2000 \$20400 191 191 191 191 191 191 191 191 191 191	Gavinscaria haccata (Hucklaharra)	3 0	J 0	\$1600	\$144.00							
1	Hamamelis virginiana (Witch Hazel)	62	62	\$11.00	\$682.00							
110 \$11.00 \$11.01.00 22 23 \$21.00 \$448.00 46 46 \$14.00 \$448.00 53 51.100 \$448.00 54 52 \$11.00 \$448.00 54 52 \$11.00 \$448.00 54 52 \$11.00 \$453.00 54 52 \$11.00 \$453.00 55 51 51 51.00 \$450.00 55 51 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 52.00 55 51 52 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53.00 55 53 53 53 53 53.00 55 55 53 53 53 53.00 55 55 55 53 53 53 53 53	Lindera benzoin (Spicebush)	2	2	\$11.00	\$55.00							
32 32,14,00, 2448.co 4,6 514,00 5644.co 3 3 45,11,00 5644.co 191 131 512.co 522.co 191 131 512.co 522.co 191 131 512.co 522.co 191 131 512.co 522.co 192 13 511.co 522.co 193 13 511.co 522.co 193 14 17 511.co 522.co 22 22 511.co 522.co 23 2 511.co 522.co 24 2 511.co 522.co 25 2 511.co 522.co 26 2 511.co 522.co 27 2 511.co 522.co 28 2 511.co 522.co 29 2 511.co 522.co 20 2 5	Lonicera prolifera (Yellow Honeysuckie)	110	110	\$11.00	\$1,210.00							
46 46 514.00 534.00 22 51.00 534.00 191 131 131.00 53300 23 51.00 5534.00 191 131 131.00 53200 193 13 51.00 53000 194 135 131.00 53000 195 135 135 135 135 135 135 135 135 135 13	Malus ioensis (Iowa Crab)	32	32	\$14.00	\$448.00							
3 3 3 41100 533300 52 51 51200 553400 191 112 51200 553400 191 112 51200 553400 191 112 51200 553400 191 112 51200 523200 191 112 51200 533000 23 2 51100 5239300 23 2 51100 5239300 24 51200 533000 24 51200 533000 25 51200 533000 26 51200 533000 27 51200 533000 28 51200 533000 29 51500 533000 20	Ostry a virginiana (Ironwood)	46	46	\$14.00	\$644.00							
191 \$12.00 \$2.29.200 191	Physocarpus opulifolius (Ninebark)	EC.	m	\$11.00	\$33.00							
191 191 192 12,22.02.05 192 19	Prunus americana (Wild Plum)	25	52	\$12.00	\$624.00							
10 10 10 10 10 10 10 10	Prunus virginiana (Chokecherry)	191	191	\$12.00	\$2,292.00							
189 189 180	Phenea (fill of late (waller Ash)	nc	n c	811.6	\$33.00							
189 1100 \$2,073000 120	Rhis trobina (Starborn Sumaci	? =	, 5	\$15 W	\$150.00							
17 17 11 11 11 11 11 11	Ribec miscourionse (Willia Goesborns)	180	581	\$11.00	\$207900							
12 23 23 23 23 23 23 23	Rosa blanda (Smooth Rose)	17	17	\$11.00	\$187.00							
23 2276.00 2376.00	Rosa carolina (Pasture Rose)	32	32	\$11.00	\$352.00							
1	Rosa setigera (Illinois Rose)	23	23	\$12.00	\$276.00							
24 12 555.00 12 555.	Sambucus canadensis (Elderberry)	33	33	\$10.00	\$330,00							
11 1515.00 156.	Sassafras albidum (Sassafras)	54	12	\$17.00	\$204.00	12	\$25.00	\$660.00				
certifolium (Naple-lesved Vibernum) 42 42 51,700 571400 entago (Namy/bernyl) 84 \$10,000 \$540,000 ntmicliolum (Black Haw) 71 \$11,200 \$580,000 afinecqui anum (brocky Ask) 26 \$15,000 \$330,000 m americanum (Procky Ask) 9 \$15,000 \$135,000 nn americanum (Procky Ask) 166 \$13,000 \$13,000	Staphylea trifolia (Bladdernut)	11	11	\$15.00	\$165.00							
amage (bank) 84 84 \$10.00 \$584.00 amage (bank) 71 \$11.200 \$582.00 affine equi arum (bowny Arrow-wood) 26 \$15.00 \$592.00 amage (amage (bank) Ash) 9 \$15.00 \$15.00 \$15.00 n americanum (Prickly Ash) 9 \$15.00 \$145.00 \$145.00 n americanum (Prickly Ash) 1665 \$15.00 \$145.00 \$145.00	Viburnum acerifolium (Maple leaved Vibernum)	42	42	\$17.00	\$714.00							
Infinitely indicated in the control of the control	Viburnum lentago (Nannyberry)	84	85 F	\$10.00	\$840.00							
manericanum (Prockly Ash) 9 \$ \$15.00 \$135.00 19	Viburnum prunifolium (Black Haw) Whurnum refinesculenum (Doums Amountoed)	7 %	17/	\$15.00	\$39000							
1665 1646 51.9197.00 19	Kanthoydum americanum (Prickly Ash)	8 6	3 0	\$15.00	518							
7007	Shrub Total	1665	1646		\$19,197.00	13		\$1,045.00				

\$475.00 \$2,185.00 \$2,200.00 \$1,000.00 \$14,160.00

\$35.00 \$115.00 \$100.00 \$100.00

\$100.00 \$8,300.00

EXT.

2886 \$85,759.00 Project Total Pieces TOTAL COST (plant material only): 1898 988 Total 5-Gallon Trees and Shrubs Total Larger Trees (all sizes)

FY 2014 NORTHENSTERN AREA STATE AND PRINATE FORESTRY REP.
LANT COUNTY FOREST RESERVES PROPOSAL
PROFICT THE "RECONNECTING URBAN FORESTS" OAK WOODLAND RESTORATION NEAR LAKE MICHIGAN".
SPECIES ISES PAREA.

ARBOR DAY EVENIT TREES PROVIDED FREE TO PARTICIPANTS Project Partner Openlands 18.9 Agres 初元の Explicit Lead
Lake County Forest
Preserves Totals
110.9 Acres THE SET OF THE CONTRACT AND THE SET OF THE S \$2915.62 2 12 235.5 115.395 572.265 1 1583.62 2 245 3129 230.79 4 13266 Project Lead: Lake County Forest Preserves 1923.25 8 1471.875 572.265 105.975 3 99.49879 1177. 6 735.9375 6 735,9375 HDE: 560 Woodland Habitat 35.5 Aures HDE: 5/9 Vicodland > Hakitat 19.9 Acres FIDE: 378 Woodland Habitat 16.9 Acres lotal area covered by individual (sqf) 314 22.56 122.66.625 78.5 78.5 78.5 84.465 83.585 706.5 80.53 314 0.785 0.785 1122.05423 80.24 102.05423 490.023 490.023 490.023 122.05423 78.585 122.05423 78.585 123.05423 78.585 124.0543 78.585 125.05423 78.585 78.58 Certain provides (Page 1848)
Carpo conclination (Page 1848)
Ca Americanchine lacei (plagisters thad town)

for province and more allowed in the control of coprove or distance that are so and the control of coprove or distance that are so and the control of coproved or copr

883% Total Oaks 1059

516 8 8 20 20 20 116 116 91

Totale 140.0 Acres

Historically these lands were primarly Oxic Moodland with SD-80X tree coverage of the adjacent lands were cost suamnas with 30-90X tree coverage. This orders seeks to restore these lands to their historic tree density/compay. Coverage.

Unit Total Flecos/Percent Coverage *

Attachment B

- A. Worker's Compensation and Employer's Liability with limits not less than:
 - (1) Worker's Compensation: Statutory
 - (2) Employer's Liability:
 - a. \$1,000,000 injury per occurrence
 - b. \$500,000 disease per employee
 - c. \$500,000 disease policy limit

Such insurance shall evidence that coverage applies in the State of Illinois.

- B. <u>Comprehensive Motor Vehicle Liability</u> with limits for vehicles owned, non-owned or rented, not less than:
 - (1) Bodily Injury:
 - a. \$500,000 per person
 - b. \$1,000,000 per occurrence
 - (2) Property Damage:
 - a. \$500,000 per occurrence
 - b. \$1,000,000 aggregate

All employees shall be included as insured's.

- C. <u>Comprehensive General Liability:</u> If such CGL insurance contains a general aggregate limit, it shall apply separately to this project. With coverage written on an "occurrence" basis with limits no less than:
 - (1) General Aggregate: \$2,000,000
 - (2) Bodily Injury:
 - a. \$2,000,000 per person
 - b. \$2,000,000 per occurrence
 - (3) Property Damage:
 - a. \$2,000,000 per occurrence
 - b. \$2,000,000 aggregate
 - (4) Other Coverages:
 - Premises/Operations
 - Products/Completed Operations (to be maintained for two years following Final Payment)
 - Independent Contractors
 - Personal Injury (with Employment Exclusion deleted)
 - Broad Form Property Damage Endorsement
 - Blanket Contractual Liability (must expressly cover the indemnity provisions of the Contract)
 - Bodily Injury and Property Damage "X", "C", and "U" exclusions shall be deleted

Railroad exclusions shall be deleted if Work Site is within 50 feet of any railroad tracks.

All employees shall be included as insured's.

D. Owner's and Contractor's Protective Liability Insurance. Contractor, at its sole cost and expense, shall purchase this insurance in the name of Owner with a combined single limit for bodily injury and property damage of not less than \$1,000,000.

Attachment C

Report Forms

Includes:

- i.
- Interim Reporting Form Annual Financial Reporting Form Final Reporting Forms ii.
- iii.

Interim Reporting Form

SAMPLE FORMAT FOR PROGRESS REPORT Date: **Report Period: Grant Project Period: Grant Recipient: Grant Number: Recipient Contact Person: Principal Investigator/Project Director:** Progress Achieve in Accomplishing Project Goals & Objectives (Goals and objectives should correspond to the goals and objectives in the approved grant application). Goal/Objective 1 Planned: Actual: Unit Costs: Goal/Objective 2 Planned: Actual: Unit Costs: Difficulties Encountered (As applicable, should include information on specific reasons why goals and objectives were not met, and analysis and explanations of cost overruns and high unit costs) Goal/Objective #: Problem(s): Resolution/Corrective Action Plan and Schedule: Activity Anticipated Next Reporting Period (Should correspond to the "Planned" entries under Progress Achieved in the next report) Goal/Objective #: Goal/Objective #:

Annual Financial Reporting Form

US Forest Service Northeastern Area, State and Private Forestry Grant Reconnecting Urban Forests: Oak Woodland Restoration Near Lake Michigan

GRANTEE Age	ncy Name					
REPORTING F	PERIOD DATES					
Start Date	End Date	Expenditure Category (Contractuals or Staff Time)	Tasks Accomplished	Units Completed (e.g., hours, acres)	Cost per Unit	Total Cost
					Subtotal	
					In-Kind Match	()
				Total Reimbur	sement Request	

If employee or limited term employee time is included in the financial report for in-kind match, provide additional detail in the following time record form and submit with financial report.

Employee Time Record						
Agency N	ame		_			
		REPORTING F	PERIOD DATES			
Employee Name	Employee Title	Start Date	End Date	Hours Worked	Hourly Rate	Total Amount
					Subtotal	
				ı	n-Kind Match*	:
				Reir	nbursement**	:
		To	tal Reimbursen	nent Request for E	mployee Time	
		•				•
Employee Signature	Date		Supervisor Sign	nature		Date

^{*} Indicate Amount of Total to be used for In-kind Match

^{**} Indicate Amount of Total that you are requesting for Reimbursement

Final Reporting Form
US Forest Service Northeastern Area, State and Private Forestry Grant
Reconnecting Urban Forests: Oak Woodland Restoration Near Lake Michigan

I.	Grantee Information	
Gran	tee Agency Name:	
Gran	tee Address:	
Gran	tee Phone/Fax/E-mail:	
II.	Reporting Period	
	from	to
III.	accomplished during the p challenges encountered we to specifically address action outcomes identified in the outcomes were accomplish project areas, work in progractions undertaken as a particle and the expenditures, including station-kind match.	ehensive, quantified description of the work roject period, including how problems and ere solved. The GRANTEE shall format the report ons undertaken to accomplish the outputs and SCOPE OF WORK and whether the outputs and ned. Provide before, during and after photos of tress, and any other actions that demonstrate art of this grant. Provide a summary of aff time, which reflects reimbursed expenses and
	Narrative:	