LAKE COUNTY FOREST PRESERVES

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Preservation, Restoration, Education and Recreation

DATE:

December 2, 2019

MEMO TO: John Wasik, Chair

Planning Committee

Agenda Item#_ 8.3

FROM:

James L. Anderson

Director of Natural Resources

RECOMMENDATION: Recommend approval of a Resolution awarding Contracts for the Purchase and Delivery of Native Seed for Grant Woods Forest Preserve and Plant Plugs for Prairie Wolf Forest Preserve to Applied Ecological Services, Brodhead, Wisconsin in the Contract Price of \$35,697.70; Cardno, Inc., Walkerton, Indiana in the Contract Price of \$27,456.58; Prairie Moon Nursery, Winona, Minnesota in the Contract Price of \$66,330.07; and Shooting Star Native Seeds, Spring Grove, Minnesota in the Contract Price of \$56,411.68.

STRATEGIC DIRECTION SUPPORTED: Conservation

FINANCIAL DATA: The purchase and delivery of native seed for Grant Woods Forest Preserve and plant plugs for Prairie Wolf was approved as part of the adopted FY 2018/2019 Natural Resource Grant Fund and Wetlands Management Fund.

The bids are tallied in Exhibit A. The bids for native seed and plugs under \$25,000.00 that do not require Committee review and Board approval total \$4,383.94, and, combined with the contracts that would be awarded pursuant to the attached resolution, total \$190,279.97. The seed purchases will be charged to the Grant Woods Donation account (20104100-803200-60604), in the amount of \$143,160.28. The plant plugs purchases will be charged to the Prairie Wolf Mitigation account (24614100-803200-62504), in the amount of \$47,119.69.

BACKGROUND: The District will be installing native seed in February of 2020 at Grant Woods Forest Preserve as part of ongoing ecological restoration efforts. Seed installation will occur in areas that have received invasive species control and additional preparations by District staff and volunteers. Seed installation will occur across 100 acres and include woodland, wetland and prairie communities.

The wetland plant plugs for Prairie Wolf Forest Preserve will be installed in the vernal pools located in the recently buckthorn-cleared 20-acre woodland south of Old Elm Road as part of the mitigation project approved by U.S. Army Corps of Engineers.

The project was advertised on October 4, 2019 and five bids were received. A summary of the lowest bids received and recommended for approval is listed below:

BIDDER TOTAL BID

Applied Ecological Services	(Seed - \$300.81) (Plugs - \$35,396.89)	\$ 35,697.70
Cardno, Inc.	(Seed - \$ 16,554.58) (Plugs - \$ 10,902.00)	\$ 27,456.58
Prairie Moon Nursery	(Seed)	\$ 66,330.07
Shooting Star Native Nursery	(Seed)	\$ 56,411.68

SUCCESSFUL BIDDERS UNDER \$25,000.00

Spence Restoration Nursery	(Seed -	\$ 3,563.14)	
	(Plugs -	\$ 820.80)	\$ 4,383.94

Materials were bid on a unit price per species.

Staff recommends that Applied Ecological Services, Cardno, Inc., Prairie Moon Nursery and Shooting Star Native Nursery each be awarded a contract as the lowest responsible bidder for the seed / plant plug species for which it was the low bidder.

Staff will award a seed/plant plug Purchase Order contract to Spence Restoration Nursery, which submitted bids totaling less than \$25,000.00.

Work is anticipated to begin in February 2020 and be completed by July 2020.

REVIEW BY OTHERS: Chief Operations Officer, Director of Finance, Purchasing Manager, Corporate Counsel.

STATE OF ILLINOIS)
) SS
COUNTY OF LAKE)

PLANNING COMMITTEE:

BOARD OF COMMISSIONERS LAKE COUNTY FOREST PRESERVE DISTRICT REGULAR DECEMBER MEETING DECEMBER 10, 2019

MISTER PRESIDENT AND MEMBERS OF THE BOARD OF COMMISSIONERS:

Your **PLANNING COMMITTEE** presents herewith "A Resolution Awarding Contracts for Native Seed for Grant Woods Forest Preserve and Plant Plugs for Prairie Wolf Forest Preserve" and requests its approval.

Date:	12-2-2019		Roll Call Vote: Ayes:	Nays: _		_
		X	Voice Vote Majority Ayes;	Nays:	0	-53

LAKE COUNTY FOREST PRESERVE DISTRICT LAKE COUNTY, ILLINOIS

A RESOLUTION AWARDING CONTRACTS FOR NATIVE SEED FOR GRANT WOODS FOREST PRESERVE AND PLANT PLUGS FOR PRAIRIE WOLF FOREST PRESERVE

WHEREAS, the Lake County Forest Preserve District (the "District") has advertised in <u>The News Sun</u> for sealed bids to purchase Native Seed for Grant Woods Forest Preserve and Plant Plugs for Prairie Wolf Forest Preserve (collectively, the "Products") pursuant to the bidding documents for such Products (the "Bid Documents"); and

WHEREAS, all sealed bids were received and opened by the District at its General Offices, 1899 West Winchester Road, Libertyville, Illinois, on October 23, 2019, at 10:00 a.m.; and

WHEREAS, the District's staff, the Purchasing Manager, the Director of Natural Resources; and the Planning Committee have reviewed the bids identified on Exhibit A and recommend that the Board of Commissioners find (i) Applied Ecological Services, Inc. to be the lowest responsible bidder with respect to the yellow highlighted bids listed under "Applied Ecological Services" on Exhibit A (the "Applied Ecological Services, Inc. Bids"), (ii) Cardno, Inc. to be the lowest responsible bidder with respect to the yellow highlighted bids listed under "Cardno, Inc." on Exhibit A ("the Cardno, Inc. Bids"), (iii) Prairie Moon Nursery to be the lowest responsible bidder with respect to the yellow highlighted bids listed under "Prairie Moon Nursery" on Exhibit A ("the Prairie Moon Nursery Bids"), and (iv) Shooting Star Native Seeds to be the lowest responsible bidder with respect to the yellow highlighted bids listed under "Shooting Star Native Seeds" on Exhibit A ("the Shooting Star Native Seeds Bids") and award contracts for the Products to these bidders consistent therewith; and

WHEREAS, the Board of Commissioners hereby finds that Applied Ecological Services, Inc., Cardno, Inc., Prairie Moon Nursery, and Shooting Star Native Seeds are the lowest responsible bidders for the Products, as set forth in the previous clause;

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

<u>Section 1:</u> <u>Recitals.</u> The recitals set forth above are incorporated as a part of this Resolution by this reference.

Section 2: Award of Contract. The Applied Ecological Services, Inc. Bids in the total amount of \$35,697.70 (the "Applied Ecological Services, Inc. Contract Price") are hereby accepted and a contract for Products in the amount of the Applied Ecological Services, Inc. Contract Price is hereby awarded to Applied Ecological Services, Inc. (the "Applied Ecological Services, Inc. Contract"). The Cardno, Inc. Bids in the total amount of \$27,456.58 (the "Cardno, Inc. Contract Price") are hereby accepted and a contract for Products in the amount of the Cardno, Inc. Contract Price is hereby awarded to Cardno, Inc. (the "Cardno, Inc. Contract"). The Prairie Moon Nursery Bids in the total amount of \$66,330.07 (the "Prairie Moon Nursery Contract Price") are hereby accepted and a contract for Products in the amount of the Prairie Moon Nursery Contract Price is hereby awarded to Prairie Moon Nursery (the "Prairie Moon Nursery Contract"). The Shooting Star Native Seeds Bids in the total amount of \$56,411.68 (the "Shooting Star Native Seeds Contract Price") are hereby accepted and a contract for

the Products in the amount of the Shooting Star Native Seeds Contract Price is hereby awarded to Shooting Star Native Seeds (the "Shooting Star Native Seeds Contract"), (collectively, the Applied Ecological Services, Inc. Contract, the Cardno, Inc. Contract, the Prairie Moon Nursery Contract, and the Shooting Star Native Seeds are the "Contracts"; collectively, the Applied Ecological Services, Inc. Contract Price, the Cardno, Inc. Contract Price, the Prairie Moon Nursery Contract Price, and the Shooting Star Native Seeds Contract Price are the "Contract Prices").

<u>Section 3:</u> <u>Execution of Contracts.</u> The Executive Director of the District is hereby authorized and directed to execute the Contracts for the Products in the amounts of their respective Contract Prices.

<u>Section 4:</u> <u>Payments.</u> The District Treasurer shall make payments under the Contracts only pursuant to and in accordance with the Contracts' terms.

Section 5: Effective Date. 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		_, 2019				
AYES:				(E)			
NAYS:		(40)				*	
APPROVED this	_day of		_, 2019				
		7					
					D. Kyle, Pre unty Forest	sident Preserve D	istrict
ATTEST:		, · ·			4/		197
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Julie Gragnani, Secretary Lake County Forest Preserve	District				in .		55
Exhibit No							

EXHIBIT A

			_		APPLIED ECOLOGICAL SERV	CES	_				ARDNO, IA	¢			SPENCE RES	TORATI	ON NURSERY	Υ		PRAIRI	E MOON NU	MSERY.			SHOOTING !	TAR NA	IVE SEED	
SPECIES	WOODLAND MIX pix (fbx) (pkg 1)	PRAIRIE MIX pls (fbs) (pkg 2)	WETLAND MIX pis fibra (pkg 3)	T-1 [Y/N]	Notes for Tier 2 Plugs: Define State, County, & Miles from Lake Cnty	QTY	PPU	EXT	T-1 (Y/N)	Motes for Tier 2 Phage Deline State, County, & 658es from Lake Crity	ату	PPU	EXT	T-4 (Y/M)	Notes for The 2 Plugs: Online Blate, County, & Miles from Lake Crity	QTY	PPU	EXT	T-1 (Y/N)	Notes for Tier 2 Plugs: Define State, County, & Millers from Lake Cnty	QTY	PPU	EXT	T-1 (Y/M)	Notes for Tier 2 Plugs: Define State, County, & Siles from Lake Crity	ату	PPU	EXT
ndropogon scoperus		24		Y:		24	\$28.00	5072:00						- Y.		24	\$11.00	5264-00	Y		24	\$14.00	\$336.00	Y		24	\$14,40	\$345.60
ovčelkog curtpenskia		19							-											Houston, MN 200 MI	19	\$13.00	\$247.00	Υ.		19	\$9.40	\$178.00
romus kaone		9.38																	H	Oper Tal, MN 450 MI	9.38	\$97.00	\$900.68	-14	POLK, MIN 500 MI	938	\$47.00	\$440 80
roma labgiums	10																					O-Miles		Y.		10	\$267.00	\$2,670.0
alamogrostis canadensis (OF)		_	0.13															-100			-	Sales -		-11	WAUSHARA, WI 110 M	0.13	5727.00	594.51
ares annectoris	1	_	2			_								Y		2	\$150.00	\$300.00	Y		2	\$173.00	\$340.00					
Carex becon	_	113	- :			\vdash	-			-									Y		2	\$158.00	\$378.00		WARQUETTE W. 95 MI		\$172.00	\$344.00
Carex cristatella	-	212	2			_	_												Y		3.13	5100.00	\$563.40	Y.			\$178.00	\$557.14
Carer molesta	_	_	0.38			-	_							-												2	\$379.00	\$756.00
Carer politallanugrosa			2				-																		ALLAMAKEE IA 155 NA WYWNEBAGO WI 105 NI		\$904.00	\$109.06 \$1.848.0
Carex rosea	062		<u> </u>			7													-				-	-"	WITHTEDAUG WI 105 MI		2924.00	\$1.04EU
alley scopana	- 131		2	Y		2	\$120.00	\$256.00	- V		- 2	5612.00	\$1,034,00	Ÿ		- 2	\$110.00	\$220.00	Y		2	\$174.00	\$348.00	Y		2	\$157.00	\$314.00
Catex stipata	-		- 2			-	-		III C			-					7	20000			_	#77 N.SO	3340.00		WAUSHARA, WI 110 MI		\$172.00	\$344.00
ares vulpriodes			1						Y		-1	\$125.00	\$129.00	Y		-1	\$34.00	\$34.00	Y		- 1	\$34.00	53400		WAUSHARA, WI 110 M	1	\$59.00	559.00
Dinna arundinacea	1.00			Ψ:	Al.	1.00	\$560.00	1610.40											Y		1.09	\$540.00	5586.60				***	****
Danthona socata ·		313			ō																			34	ST LOUS, MN 260	3.13	\$324.00	51,014.1
Elymus canadensis	37	37		Ψ.		74	\$12.80	\$847.20						Y		74	\$10.00	\$740.00	Y		74	\$32.00	\$2,368.00		CRAWFORD, WI 75 M	74	59.40	\$695.60
Еугола граги			15																						RICE MN 190 M	15	\$15.40	\$201.00
Stycena strata	- 1		1						Υ			\$584.00	\$384.00						S.Y		2	\$184.00	00.8802		VARIONA, MIN 105 MI		\$197.00	\$364.00
Hystriv patula	50																							Y		50	\$77.00	53 850 0
Juncus dudeyi			9.01									-		-					Υ.		0.01	\$500.00	\$9.00	- 14	GREEN LAKE WISOM	0.01	\$567.00	\$5.67
Jurcus forieyi			0.01									100																
Pancum implicatum/ langnosum		1					_	- 3									-											
Panicum v rgatum	-	1.50	- 1	Y		250	68.00	520.48						64.0		2.56	\$10.00	\$25.00						Y		2.56	\$6.90	\$17.66
Pos palatro			0.13																									
Scirpus atrovinens			0.08	Y.		0.00	560:00	\$3.60	Y			1835.00		Y			\$85.00	\$5.10	Y		0.08	\$118.00	\$7.08		WINNEBAGO, WI 105 M			\$3.43
Scrpus pendulus lineatus	-	_	0.01						Y		0.01	\$5,000.00	\$50.00			0.01	\$300.00	\$3.00						Y.		0.01	\$243.00	\$2.40
Spartna peclinata	-		125			_																		Υ			\$98.00	\$122.50
Sporobolus heterolepis		7.81	-			-	_	_	Y		7.81	1256.00	\$1,999.30	Y		7.81	\$185.00	\$1,444.85						Y		7.81	\$174.00	\$1,558.9
Agistache nepetodes Alium cernium	019		_	-																								
Amorona canescens (DH)	1.25	124	-	-		-	_							Y		- 2	\$205.00	\$500.00	21	ALLAMAKEE IA 180 M	5	\$218.00	\$1,090.00	N	ALLAMAKEE, IA 155 M	56.25	5234.00	\$13,1625
Anerrone caradense	-	1,54	***			_	_					_											*******					
Anemone cylinarica (DF)		300	3.75				_	_				_							· Y -		3.75	5648.00	\$2,430,00	Y		375		\$1,455.0
Aquiega canadensis	0.63	300	_				_						1												ALLAMAKEE IA 156 M			\$2,293.5
Asciepus incarnata (DF)	0.00	-	- 5			_	_	_	V.		- 1	2303.00	\$1,800.00	1					v		-	-			ALLAMAKEE IA 155 MI HOUSTON MN 170 MI		\$135.00	\$338.31 \$875.00
Asciepus purpurascens (DF)	1.88	-				_	_		-		-	\$300.00	31,800,00						OX.		- 5	\$258.00	\$1,040,00	74	HOUSION MY 170MI		\$125.00	\$6/3/00
Ascepas sullivaria (DF)			25			-	_															_						_
Asciepas tuberosa (DF)	\vdash	15.56				_																	_	W	S MI - 200 MI	18.56	\$447.00	\$8,296.30
Aster squreus (OF)	_	1.24					-	-					7					4 100				_					\$724.00	\$367.76
Aster laevis (DF)		1.24																	N.	WINDHA, MN 200M	124	5360.00	5471.20	Ÿ	11109010, 32510		5319.00	\$306.56
Aster lideriflorus (DF)	0.00																		Y		0.05				SERTON, MILESS MI		5540.00	\$50.40
Aster novae-anglae (DF)		1.24	0.25																Y		1.49	5509 00	\$892.51	Y		1.49		\$654.11
Aster oblangitalius (OF)		1.86																				-				and the state of		
Aster punceus var firmus (DF)		0.1	013						Y		0.23	\$1,200.00	\$276.00				S									4-3		
Aster sagetdolius (DF)	0.06																											
Aster unbelatus (DF)			0.13						or Y		0.13	\$1,440,00	\$187,20															
Astragalus canadense		0.19									LL (CA										الروحا				ALLAMAKEE IA 156 M			\$445 68
Baotisia leucantha	_	12.38	_						Y		- 5	\$384.00	51,920,00						Y		12.38	\$149.00	\$1,544.62	-11	MOWER MIN 230 MI	12 38	\$189.00	\$2,092.2
Blotsia leucochaea		18.56					-			124 0																		
Slephila citata		0.21	_																									
Biegnila hrsuta	0.06					-	-							45.000					M	CLAYTON, IA 150 MI	0.06	\$1,109.00	\$66.54				- 11	
Boltonia asteroides/latsiculama Cacatia atripicciola (CF)	122		0.13			-								У		0.13	\$110.00	\$14.00						Y			\$179.00	
7	1 25	12.00	-				-	-	Y		125	5240.00	\$30000 .						(E.Y.)		1.25	\$189.00	\$236.25	Y		1.25	\$134.00	\$167.50
Carrassia scilodes' Carrassia americana	903	12:38	_			-		_	-		0.00	Fr. 040 ***	5000						Y	200200000000000000000000000000000000000	1238	1690.00	\$5,942.00		-			
Cassia fasorolata	003	18.66	-				-		Y		0.03	\$1,600,00	545,00						N	CLAYTON, IA 150 M	0.03	\$640.00	\$19.20		HOUSTON MN 170 MI		\$597.00	\$17.91
Castiles coccess		025	0.08	-		-																		Y		18.58	\$16.00	\$297.29
Cheione plabra		4.2	013			_	_																					
Couta maculata			125	Y		1 24	\$60.00	575.00											Y		+~	#245 AA	40000		or coon in annu	100	4100.00	60
Oreopus pairrata	1	12:30	142			123	100.00	27.5 (0)											1		1.25	\$340.00	\$425.00		ST CROIX, MN 260 MI		\$169.00	\$211.2
Corrective trains	_	619	-																-					- 14	COLUMBIA MN 70 MI	12:38	\$374.00	\$4 630 1
Desmodum canadense (DH)		12.38	1.25				—																		ADDRESS AND ADDRES	10	51 m	-
Sesmodum Brosense (CHI)		12:36	1.60				_	-											Y		1235	F 1 10 0 0 0		74	HOUSTON MN 170 MI	13 63	\$148.00	\$2.017
lodecatheon meada	-1	248					_												Y			\$440.00	\$5,447,20	Ÿ		2.00	F010.50	\$3.198
ithmacea policia		24.75	-				1		Y		24.75	C01882	\$9.504.00						Y		3.45	51,112.00	\$3,869,78			3.45	\$919.00	\$2.188
			05								110								100.00		- C-1-10	97.22.00	34.207.00					_
Epitobum coloratum (DF)																												B
CONTRACTOR OF THE PARTY OF THE		18.56							V		21.00	E160.00	13 300 60						W		21.00	516600	82.060.26	v		21.00	£177.05	#5 #22 P
Eylobum coloratum (DF) Eryngum yucololum Eupatorum maculatum (DF)		18.56	2.5 0.25						Y.		21.00 0.25	\$160.00 \$512.00	\$3.360 60 \$129.60	v		0~	\$300.00	\$75.00	Y		21.08 0.25	\$188.00 \$318.00	\$3,059.28 \$79.50	Y		21 Oil 0 25	\$172.00	\$3,622.3 \$86.00

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		_			APPLIED ECOLOGICAL SERV	1CES		_		r	ARONO, IN	-	_		SPENCE RES	TORATI	ON HURSER	*		PRAIN	E MOON NO	RSERY			SHOOTING	TAR NA	TIVE SEED	
SPECIES	WOODLAND MA (pkg 1)	PRAIRIE MIX pls (lbs)	WETLAND M(X pre-mes) (pkg 3)	T-1 (Y/N)	Notes for Tier 2 Plugs: Define State, County, & Miles from Lake Cnty	QTY	PPU	ЕХТ	T-1 (Y/M)	Notes for Tier 2 Plugs: Define State, County, & Miles from Lake Cnly	QTY	PPu	EXT	T-1 (Y/M)	Notes for Tier 2 Pluga: Define State, County, & Miles from Lake Cnty	QTY	PPU	EXT	Y-1 (Y/N)	Notes for Tier 2 Plugs: Define State, County, & Miles from Lake Crity	QTY	PPU	EXT	T-1 (Y/N)	Notes for Tier 2 Plugs: Define State, County, & Miles from Lake Crity	оту	PPU	EXT
		(p+g 2)	(bed 2)			-										_			-									
Expatorum purpureum (DF) Exphorbia corollata	019	12.38																	Υ.		0.19	5890.00	5131.10	н	ALLAMAKEE IA 155 M	0.10	\$298.00	556.62
Galum boresie	0.3	1 56									_											_					-	
Gentaria andrews	0.3	100	0.06	-				-	Y		0.06	52,000,00	5120 00											-	CLAYTON IA 140 MI		24 224 22	\$83.94
Gentana gunquefola		0.62	0.00			-			-		0.00	220000	\$12000							Houston, MN 200 Mt	0.62	\$2,500,00°	\$1,438.40	- 14	CATION IN 140 ME	0.00	51.309-00	383.94
Geramum maculatum	165	7.04									_			=						CLAYTON, IA 150 M	1.88	\$1,942.00	\$3,650,96				_	
Helenum autumnale	- 1,44		0 13						Y		0.13	\$448.00	\$58 24	32	HERRY CO , INDIANA (210 ML)	013	5225.00	\$35.75	Y	CENTION IN 130 HE	0.13	\$240.00	\$31.20		1174		_	
Helanthus divancesus	1.88		0.13	-				-			0.13	3000000	330 20	-	CONTROL HUMAN (COV ON)	0.13	22.500	200.10	Ý		1.00	\$700.00	\$1,327.25					
Hekanthus strumosus	125	_	_																Ÿ		125	5706.00	5882.50					
Helicosa helianthoides		12.38																	-		1.62	\$10000	2002.30	Y		12:38	\$36.00	1445 60
Heuchera richardioni		0.19						-																	MADISON, IA 295 MI		\$2,297.00	\$438.43
Hypencum pyramidetum		01	0.13																Y		0.22	\$158.00	\$36.34	Y	Proposition and a second		\$110.00	\$27.14
Hypoxis hrauta		0.62	-																		0.00	8120.00	-			023	3110.00	841.19
Kngu březa (DF)		124	-																									
Lespedisca capitata (DH)		1238							Y		- 5	5240.00	\$1,200.00						Y		1258	\$130.00	\$1,600.40	22 4	KOSSUTH, IA 300 M	12.38	\$71.00	\$878.98
Listris aspera (DF)		12.30							Y		- 4	\$832.00	53.329.00															
Lutris speata (DF)		12:38	1.25						Y		4	\$320.00	\$1,290,00						Y		1263	\$132.00	\$1,790.16	Y		1161	\$117.00	\$1,594.71
Litum mohganense			25																									
Lithospermum carescens		1.86									4										1			6				1
Lobelia cardinalis			10.0																					N.	ALLAMAKEE IA 155 M	0.04	\$1,147.00	\$45.88
Lobelia inflata	0.02	0.02																	Ψ.		0.06	\$1,740.00	\$104.40		The second second	12.5	-	
Lobelia schilibca		0.03	0.04																					. 14	HOUSTON MY 170M	0.07	\$760.00	\$54.60
Lobela spoata		0.03	0.19									1														part de la		
Lythrum alatum		0.005	0.01	Y		0.015	\$1,344.00	520 16											Y		0.015	\$540.00	554.10	¥			\$794.00	\$11.91
Menulus ringers		0.06	0.08						Y		014	\$448.00	\$92.72											N	ALLAMAKEE IA 155 MI	0.14	5224.00	\$31.00
Monarda fistulosa	02	1,24															_		Y.		1.44	\$174.00	\$250.56					
Ovais volaces -		1,06																									-	
Ovypola ripdor		2	25																					9 -				
Parthenum etegrefolium		12.38	2770			_		_						Y		1238	\$118.00	\$1,460.64						N	ALLAMAKEE IA 155 M	12.03	\$220.00	\$2,723.60
Pedicularis canadensis	0.19	3.09	0.13		Value of the same														N	Houston, MN 200 MI	3.41	\$1,190,00	\$4,057.90					
Pensterion calycosus		1.24		Υ.		124		\$222.21																				
Pensternon digitalis Penthorum sedocos		124		Y				\$320.00			125	\$192.00	\$24000											Y			\$197.00	\$246.25
Petalostemum candidum (DH)		928	0.01	Y		0.02	2115 70	\$3.56	Y		0.02	\$2,500,00	\$50.00									_				0.02		\$1.00
Petalostemum purputeum (DH)		928	_			_		-					_				_										\$116.00	\$1,095,04
Phos divercara	125	9.20	_	_		_		_																14	KOSSUTH IA 300 MI	9.20	\$34.00	\$315.52
Price glaberrana v. etterior	1.02	-	125	_		-		_	Y		04	\$1,600,00	5540.00						Y		0.85	\$3,210.00	\$2,739.50					
Phics pions		619				-		_	100			\$1,000,00	3040.00							FREEBORN, MN 275 MI				-	KOSSUTH (A 300 M)	_	64 476 56	\$4,797.00
Physostepa virgouna		6.19		-		1		-											.79	PREZEMBIA MIN 2/2 NI	0.19	37,043.00	317,389.17		ALLAMAKEE IA 155 M		\$1,500,00	\$1,21943
Polygorum virginana .	356	7.7	_			1	-	-												Houston, MIN 200 MI	3.56	\$540.00	\$1,922.40	- 11	ALLOHOMER, IN 1937AT	0.19	3191 00	81,210,62
Polyteenia ruttalii		2475																	-11	PERSONAL PROPERTY.	3.00	80,000	31,052,40					
Prenanthes racemosa	031	-						-																				
Pychartherumyzgnica		0.62	0.13						Y		0.73	\$1 152 00	\$864.00						Y		0.75	1784-00	\$585.00	14	ALLAMAKEE IA 155 M	0.75	\$458.00	1343-50
Rathda prinata		619																										\$643.76
Rudbeckia heta		1.24																						Y		1.24		\$22.32
Rutheckia lacinista			1,25						LY.			\$400.00	\$500.00							- 04				Y			\$218.00	\$272.50
Rudbeckia tricow	0.21							3	Y		631	\$320.00	\$99.20												ALLAMAKEE IA 155 M			524.49
Ruella humis		6.19												-					Y		- 3	\$832.00	\$2,496.00	-N	WADISON, IA 295 MI	6 10	5344 00	\$2,129.00
Scrophylania lanceolata	0.06								Y		0.08	\$835.00	\$50 10												WRIGHT, MN 335 MI		5348.00	520.60
Scrophutana maritandica	0.08								Y		0.00	5835.00	\$50.10	-81					Y.		0.06	\$430.00	628.60	14	CLAYTON IA 140 M	0.06	\$365.00	522.08
Souteflana latentions	-		0.25																									
Silene stelata	0.13		_			_	_				-								Y		0.13	\$1,850,00	\$240.50			9	1	C
Siphum integretation Siphum technisticn		18.56	-						Y		18 56		\$4,454.40														\$347.00	55,44032
Sightum techatum Sightum perbiatum		37.13	1.00			-		_	Y		4	5512-00					5		Y		15		85.220.00		HOUSTON MN 170M	. 5	\$154.00	\$970.00
Sighum perbatum Sighum terebathyraceum		55 69	125			-		-	٧		1.25	\$500.00	\$120.00	Y.		1.25	5112.00	\$140.00					\$235.00	X			\$117.00	\$146.25
Signium twebritunaceum Sisymchum albdum		50.69	3.09			-	_	_				-							Y		55.60	\$157.00	\$8,743,33	Y		55.69	\$174.00	\$9,690,06
Schlage fewcaulus (DF)	0.13	—	2.00			-	_	_				-							-									
	0.13		0.25			1		_														- 2						
Solidana relatella (CE)		3.09	V.43				_	-	V		3.00	E167.00	\$500.26						Y		100	#2450C	2744.00	-		2.00	2417	
Solidago niddelle (CF) Solidago renda (CF)		200				1	_		-		204	5192.00	3303.20						7.		3.09	\$240.00	\$74160	Y		3.09	\$147.00	\$454.23
Soldago rigida (DF)	0.13				No.														v		1.66	8280.00	\$470.00	Y.	CHISTON NOT TOO	013	-	\$67.34
Soldago rigida (DF) Soldago umrfola (DF)	0.13																	_		WANDER WAS COOM	125	341000		- CE	HOUSTON, MN 170 MI	188	5039 00	\$1,201,32
Solidago rigida (DF) Solidago umifolia (DF) Taenida integerima	1.88		1.25																	CONTRACTOR AND ADDRESS.								
Solidago rigida (DF) Solidago umifoka (DF) Taenidia integerirma Teuchum canaderise			125												-	1			14	CLAYTON IA 150 M		\$34000	\$425.00	20	HOUSTON MELTONS	176	\$174.00	\$267.60
Solidago rigida (DF) Solidago simifolia (DF) Taenidia integerisma Teuchism canadense Thalictium danycarpum		1850	125			T			v		19.91	5400.00	57.904.00						N	CLAYTON IA 150 M	125	\$165.00	940000				\$17400	\$217.50
Solidago rigida (DF) Solidago virmifolia (DF) Taemdia integerimma Trauchium canadense Thalictium davigazorum Tracescantia chiemis	1.88	1850							Y		19:31	\$400.00	57 924 00						N	CLAYTON IA 150 MI		30-010	940000		HOUSTON, MN 170 MI RICHLAND, WI 110 MI		\$17400 \$28400	\$217.50 \$5,626.54
Soldago rigida (DF) Soldago virmitota (DF) Taemba integerima Taechium canadesse Thalctium dalkozaroum Tradescarda chienas	1.86	1850							Y		1931	\$400.00 E224.00	\$7,904.00 \$1,306.66						N	CLAYTON, IA 150 MI		30-010	940000					
Soldago Ingda (DF) Soldago umrtoka (DF) Taenda integerima Tauchum canadense Thalchum dasycarpum Tradescartia chemis Trodetarra arandoum Vernona tasoccuta (DF)	1.86		125																N	CLAYTON, IA 150 M		30-010	\$207.50	н	SOHANO WITTON	19.61		\$5,626.54
Soldago rigida (DF) Soldago umrioka (DF) Faenda irriginarima Teuchum canadense Thatchum daracterum Tradescanta ohiensis Trodescanta ohiensis Trodescanta anatrocum	125	6.19	125																N	CLAYTON IA 150 M		30-010	\$207.50	16	RICHLAND WI 110 MI	19.61	\$284.00	
Soldage rigida (DF) Soldage vimifola (DF) Taenda integrirma Taugnum canadense Thalchum desyclaryum Tradescarta ohemia Triodescarta ohemia Triodescarta ohemia Triodescarta stanculata (DF) Vennora stanculata (DF) Vennorati	125	619	125								619	B224 00							N	CLAYTON IA 150 MI		30-010	\$207.50	16	SOHANO WITTON	0.15	\$284.00 5985.00	\$5,626.54 \$147.75

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PLANT PLUG PURCHASE – PRAIRIE WOLF FOREST PRESERVE
Bid: 19051
Bid Title: Native Seed & Plant Plug Purchase for Grant Woods Forest Preserve and Prairie Wolf Forest Preserve

			APPLIED EC	COLOGICAL	L SERVICE	S		C	ARDNO, IN	C.			SPENCE RESTORATION NUI	RSERY		
SPECIES	QTY DESIRED	T-1 (Y/N)	Notes for Tier 2 Plugs: Define State, County, & Miles from Lake Cnty	QTY AVAIL	PPU	EXT	T-1 (Y/N)	Notes for Tier 2 Plugs: Define State, County, & Miles from Lake Cnty	QTY AVAIL	PPU	EXT	T-1 (Y/N)	Notes for Tier 2 Plugs: Define State, County, & Miles from Lake Cnty	QTY AVAIL	PPU	EXT
Acorus calamus (Sweet Flag)	380	Y		400	\$1.00	\$400.00	N	WI. Waushara Co. 175 miles	400	\$1.30	\$520.00					
Inemone canadensis (Meadow Anemone)	380	Y		384	\$1.70	\$652.80	Y		400	\$1.75	\$700.00	-				
(Marsh Milkweed)	1064	Ŷ		1100	\$1.05	\$1,155.00	Y		1100	\$1.04	\$1,144,00	Y		1064	\$1.20	\$1,276.80
Aster puniceus firmus	380	Ý		384	\$1.15	\$441.60	Y		400	51.30	\$520.00	_				
Aster shortii	380	Ý		384	\$1.53	\$587.52	Y		400	\$1.75	\$700.00	-				
Bromus ciliatus (Fringed Brome)	912	İΫ		928	51.10	\$1,020.80	Y		950	\$1.40	\$1,330.00	1				-
Brachylectrum erectum	684	Y		704	\$1.53	\$1,077,12	·				01,000.00	-				
Calamagrostis canadensis (Blueioint Grass)	1900	Ý		1900	\$0.95	\$1,805.00	Y		1900	\$0.92	\$1,748.00	Y		1900	\$1.20	\$2,280.00
Carex annectans (Yellow Fox Sedge)	684	Ý	ŧ	700	\$0.95	\$665.00			1500	90.02	31,740.00	V		684	\$1.20	\$820.80
Carex bebbii (Bebb's Oval Sedge)	950	İΫ		950	\$0.95	5902.50	NI.	WI, Waushara Co. 175 miles	950	\$0.92	\$874.00	+-		.004	01120	3020.00
Carex bicknellii (Prairie Oval Sedge)	760	T V	1	800	50.95	S760.00	Y		800	\$1.20	\$960.00	Y		760	\$1.20	\$912.00
Carex blanda (Common Wood Sedge)	760	 		768	\$1.53	\$1,175.04	-	+	500	31.20	3500.00	+-		700	21.40	3912.00
Carex blanda (Common Wood Sedge) Carex conjuncta (Green-Headed Fox Sedge)	760	l v		768	\$1.53	\$1,175.04	_		 			-		_		
	950			960	\$1.15	\$1,175.04	V	.	950	21.01	2000.00	-		950	64.00	\$1,140.00
Carex cristatella (Crested Oval Sedge)		Y					Y		1150	\$1.04	\$988.00	Y			\$1.20	
Carex lacustris (Common Lake Sedge)	1140	_		1152 850	\$1.53	\$1,762.56				\$1.04	\$1,196.00	Y		1140	\$2.00	52,280.00
Carex lupulina (Common Hop Sedge)	836	Y			\$1.00	\$850.00	Y	<u> </u>	850	\$1.20	\$1,020.00	Y		836	\$1.20	\$1,003.20
Carex molesta (Field Oval Sedge)	950	Y		950	\$1.00	\$950.00	Υ		950	\$1.04	\$988.00	Υ		950	\$1.40	\$1,330.00
Carex pellita (Broad-Leaved Woolly Sedge)	950	Y		960	\$1.05	\$1,008.00	Υ		950	\$1.20	\$1,140.00	_				
Carex radiata (Straight-Styled Wood Sedge)	684	Y		704	\$1.53	\$1,077.12				/		Y		684	S 1.70	\$1,162.80
Carex rosea (Curly-Styled Wood Sedge)	684	Y		704	\$1.53	\$1,077.12										
Carex sartwellii (Running Marsh Sedge)	532	Y		544	\$1,33	\$725.15	Y		550	\$1.50	\$825.00					
Carex scoparia (Lance-Fruited Oval Sedge)	950	Y		950	\$0.95	\$902.50	Y		950	\$1.04	\$988.00	Y		950	\$1.20	\$1,140.00
Carex sparganoides (Loose-Headed Bracted Sedge)	684	Y	1	704	\$1.25	\$880.00						Y		684	\$1.20	\$820.80
Carex sprengelii (Long-Beaked Sedge)	608	Y	, ,	608	\$1.70	\$1,033.60										
Carex stipata (Common Fox Sedge)	1140	Y		1152	\$1.05	\$1,209.60	Y		1150	\$0.92	\$1,058.00				100 100 100	
Carex stricta (Common Tussock Sedge)	760	Y		800	\$1.00	\$800.00	Y		800	\$1.20	\$960.00	Y		760	\$1.40	\$1,064.00
Carex tribuloides (Awl-Fruited Oval Sedge)	988	Y		992	\$1.15	\$1,140.80		1	-			Y		988	\$1.20	\$1,185.60
Carex tricoparpa (Hairy-Fruited Lake Sedge)	988															-
Carex vulpinoidea (Brown Fox Sedge)	1140	Y		1150	\$0.95	\$1,092.50	Y		1150	\$0.92	S1.058.00	Y		1140	\$1.20	\$1,368.00
Chelone glabra (Turtlehead)	760	Y		768	\$1.11	\$852.48	Υ		800	\$1.40	\$1,120.00	-				1
Cicuta maculata (Water Hemiock)	836	ΤŸ		864	\$2.00	\$1,728.00	<u> </u>	†		01.40	01,120.00	-			-	
Eupatorium maculatum (Joe Pyeweed)	456	Y		480	\$1.15	\$552.00	Y	 	450	\$1.20	\$540.00	_	-		_	
Eupatorium perfoliatum (Common Boneset)	760	ΤŶ		768	\$1.15	\$883.20	Ÿ		800	\$1.04	\$832.00					_
Helenium autunmale (Sneezeweed)	228	İŸ		250	\$1.05	\$262.50	Ÿ		250	\$1.20	5300.00	_			_	
Iris virginica v. shrevei (Blue Flag Iris)	1900	Ý		1900	\$1.00	\$1,900.00	Ÿ		1900	S1.04	\$1,976.00	Y		1900	\$1.30	\$2,470.00
Juncus effusus (Common Rush)	456	İ	+	480	\$1.15	\$552.00	Ý		450	\$1.30	\$585.00	Y		456	\$1.20	\$547.20
Juncus torryei (Torrev's Rush)	456	Ť		480	\$1.15	\$552.00	<u> </u>		450	31,30	3303.00	-1		430	51.20	3347.20
Liatris spicata (Marsh Blazing Star)	570	† †	 	600	\$0.95	\$570.00	Y	ļ.	600	\$1.40	\$840.00	Y		570	\$1.30	\$741.00
	760			800			-					1		5/0	51.30	5/41.00
Lobelia cardinalis (Cardinal Flower)		Y			\$0.95	\$760.00	Y		800	\$1.20	\$960.00	-		700	24.00	2022.45
Lobelia siphilitica (Great Lobelia)	722	Y		750	\$0.95	\$712.50	Υ		750	\$1.20	\$900.00	Y		722	\$1.20	\$886.40
Mimulus ringens (Mankey Flower)	380	Y	-	400	\$0.95	\$380.00	Y	-	400	\$1.15	\$460.00	Y		380	\$1.20	\$456.00
Physostegia virginiana (Obedient Plant)	950	Y		960	\$1.15	\$1,104.00	-	-		-		Y		950	S1 20	51,140.00
Pycnanthemum virginianum (Common Mountainmint)	608	Y		608	\$1.05	\$638.40	Υ		600	\$1.30	\$780.00		HENRY CO, INDIANA (210 ML)	608	\$1.20	\$729.60
Scirpus pendulus (Nodding Bulrush)	836	Y		850	\$1.05	\$892.50	Υ		850	\$1.04	\$884 00	Y		836	\$1.20	\$1,003.20
Scutellaria lateriflora (Mad-Dog Skullcap)	760	I Y		768	\$3.00	\$2,304.00	Y		800	\$1.40	\$1,120.00			W. 1000		
Spartina pectinata (Prairie Cord Grass)	1330	Y		1350	\$0,90	\$1,215.00						Y		1330	\$1.15	\$1,529.50
Sporobolus heterolepis (Prairie Dropseed)	1710	Y		1750	\$1.00	\$1,750.00	Υ		1700	\$1.10	\$1,870.00	Y		1710	\$1.15	\$1,966.50
Thalictrum dasycarpum (Purple Meadowrue)	1710	Y		1728	\$1.70	\$2,937.60								1710		-
Vernonia fasciculata (Common Ironweed)	456	Y		480	\$1.05	\$504 00	Υ	1	450	\$1.50	\$675.00			456		
Veronicastrum virginicum (Culvers Root)	836	Y		864	\$1.05	5907.20	Y		850	\$1.20	\$1,020.00			836		