KENDALL COUNTY FOREST PRESERVE DISTRICT
FINANCE COMMITTEE MEETING
AGENDA
THURSDAY, SEPTEMBER 30, 2021
4:00 P.M.
KENDALL COUNTY OFFICE BUILDING – ROOMS 209 AND 210, YORKVILLE IL 60560

I. Call to Order

II. Roll Call

III. Approval of Agenda

IV. Public Comments

V. Motion to Forward Claims to Commission for Approval

VI. Review of Financial Statements through August 31, 2021

VII. Review of the Assistant Director and Environmental Education Manager Position Restructure Plan

- a. Proposed Changes to Position Descriptions and Hours for Employment
- b. FY21 Budgeted Salaries Amendments and FY22 Preliminary Budget Changes
- c. Discussion of Reassignment of Assistant Director Duties
- d. Updated FY22 Preliminary Salary Schedule

VIII. Fox River Bluffs Carbon Credits Project

- a. Project Overview and Updated Income Statement
- b. Review of a Draft Application for City Forest Credits Project Certification
- c. Review of a Draft Carbon Credits Purchase Agreement
- d. Review of McPherson Law Letter of Engagement

IX. WFI Restoration and Mitigation Bank Proposals – Blackberry Creek and Baker Woods Forest Preserves

X. FY21-FY22 Budget Discussions

- a. FY21 Budget – Contingency Transfers and Proposed FY21 Fund 1900 Budget Amendment
- b. FY22 Preliminary Operating Fund and Capital Fund Budgets – Review and Recommendations
- c. FY22 Budgeted Expenditures and Appropriations Discussion

XI. Other Items of Business

- a. Kendall County ARPA Fund Budget Report Submission
- b. IPMG/ICRMT Insurance Renewal Application
- c. Status of Grant Award Agreements (2020 IDNR-PARC and 2018 IDNR-RTP)
- d. Status of Land Acquisition Projects
- e. Finance Committee Review Items Rescheduled for the October 12, 2021 Committee of the Whole Meeting: 1) FY22 Operating and Capital Fund Budgets; 2) FY22 Salary Schedule; 3) Henneberry FP Public Access Projects Costs

XII. Public Comments

XIII. Executive Session

XIV. Adjournment

If special accommodations or arrangements are needed to attend this District meeting, please contact the Administration Office at 630-553-4025 a minimum of 24-hours prior to the meeting time.

Claims Listing

9/29/2021 1:04:54 PM

Department	Vendor #	Vendor Name	Invoice #	Invoice Description	GL Account		Description	Invoice Amount
Ellis Barn								
	21	ADS, INC	555664	ADS Ellis	19001161	68580	Grounds and Maintenance	$109.93
							Sub-Total	***$109.93***
						Ellis Barn	**Total**	**$109.93**
Ellis House								
	1323	MENARDS	24323	Menards Ellis House	19001160	62000	Office Supplies	$19.88
	1323	MENARDS	24406	Menards Ellis 5K Supplies	19001160	62000	Office Supplies	$24.19
							Sub-Total	***$44.07***
	2047	COMED	936154801109302 1	ComEd Ellis	19001160	62270	Utilities	$803.18
							Sub-Total	***$803.18***
	21	ADS, INC	555664	ADS Ellis	19001160	68580	Grounds and Maintenance	$109.94
	124	BARRETT'S ECOWATER	0010381093021	Barret's-Ellis Water Service	19001160	68580	Grounds and Maintenance	$25.00
							Sub-Total	***$134.94***
						Ellis House	**Total**	**$982.19**

Ellis Weddings								
	3259	JOHN JOHNSTON	093021	Sec Dep Return Ellis Wedding	19001168	63040	Security Deposit Refund	$1,000.00
							Sub-Total	***$1,000.00***
					Ellis Weddings		**Total**	**$1,000.00**
Environ. Educ. Other Pblc Prg								
	3256	LAURA PANOSH	093021	Aft Adv Cancellation Refund	19001179	63040	Security Deposit Refund	$240.00
	3257	JACQUELINE GARRETSON	091321	Refund for Afternoon Adv cancellation	19001179	63040	Security Deposit Refund	$240.00
	3258	BRIAN JOHNSON	091321	Refund for Cancelled Aft Adv	19001179	63040	Security Deposit Refund	$480.00
							Sub-Total	***$960.00***
					Environ. Educ. Other Pblc Prg		**Total**	**$960.00**
Forest Preserve Director								
	3262	WIGHT & COMPANY	210143-001	Subat Nature Preserve	190411	62150	Contractual Services	$3,875.00
	3267	SUBURBAN LABORATORIES, INC	192970	Water Testing	190011	62150	Contractual Services	$150.00
							Sub-Total	***$4,025.00***
	67	AMEREN ILLINOIS	27864440060930 21	Ameren	190011	63510	Electric	$27.22
	2047	COMED	11231661020930 21	ComEd Jay Woods	190011	63510	Electric	$48.82
	2047	COMED	93615780000930 21	ComEd Baker Woods	190011	63510	Electric	$19.67
							Sub-Total	***$95.71***

Forest Preserve Director								
	1223	LASALLE COUNTY CORONER	24266	Menards Native Plant Project-Hoover	190711	68510	ICECF K-12 Pollinator	$29.97
	1323	MENARDS	24271	Menards Native Plant Project-Hoover	190711	68510	ICECF K-12 Pollinator	$89.85
							Sub-Total	***$119.82***
	3162	PIZZO NATIVE PLANT NURSERY	SI-18597	Native Plants-Hoover	190711	68520	ICECF Pilot Pollinator	$5,823.60
							Sub-Total	***$5,823.60***
					Forest Preserve Director		**Total**	**$10,064.13**
Grounds and Natural Resources								
	83	ARNESON TIRE CENTER, INC.	114925	Loose Tires on Equipment	19001183	62160	Equipment	$372.90
	107	AUTOMOTIVE SPECIALTIES INC	2008FORD	2008 FORD	19001183	62160	Equipment	$106.92
	107	AUTOMOTIVE SPECIALTIES INC	2009 FORD	2009 FORD	19001183	62160	Equipment	$106.92
	107	AUTOMOTIVE SPECIALTIES INC	2014FORD	FORD 2014	19001183	62160	Equipment	$106.92
							Sub-Total	***$693.66***
	678	GRAINCO FS, INC.	B0000411168	Grounds Fuel	19001183	62180	Gasoline / Fuel / Oil	$1,148.04
	678	GRAINCO FS, INC.	B0000411169	Grounds Fuel	19001183	62180	Gasoline / Fuel / Oil	$296.26
							Sub-Total	***$1,444.30***
	1655	SERVICE SANITATION, INC	50-493234093021	Service Sanitation	19001183	63070	Refuse Pickup	$205.00
							Sub-Total	***$205.00***

Grounds and Natural Resources								
	1452	NICOR	85662610121093021	Nicor Millbrook	19001183	63090	Natural Gas	$133.21
	1452	NICOR	87946110001009 3021	Nicor Harris	19001183	63090	Natural Gas	$55.94
							Sub-Total	***$189.15***
	51	SYNCB/AMAZON	13TN-DHQC-RVKM	Amazon Bow Hunt Supplies	19001183	63110	Shop Supplies	$68.70
	236	CENTRAL LIMESTONE CO INC	27134	Gravel for Hoover and Bowhunt Areas	19001183	63110	Shop Supplies	$82.99
							Sub-Total	***$151.69***
	2297	FOX RIDGE STONE	4996	Boulders-preserve improvements	19001183	68530	Preserve Improvements	$68.50
							Sub-Total	***$68.50***
					Grounds and Natural Resources		**Total**	**$2,752.30**
Hoover								
	3261	NICHOLE ROBERTSON	20-00144	MHL Sec Dep Return	19001171	63040	Security Deposit Refund	$900.00
	3263	REBEKAH BARQUIRAN	21-00177	Moonseed Sec Deposit Return	19001171	63040	Security Deposit Refund	$100.00
	3265	KAYLEA DAVILA	21-00115	MHL Sec Dep Return	19001171	63040	Security Deposit Refund	$217.50
							Sub-Total	***$1,217.50***
	1452	NICOR	22827080327093 021	Nicor Hoover Shop	19001171	63090	Natural Gas	$56.65
	1452	NICOR	23336698297093 021	Nicor Hoover Rookery	19001171	63090	Natural Gas	$49.98

Hoover	1452	NICOR	24614203628093021	Nicor Blazing Star	19001171	63090	Natural Gas	$41.10
	1452	NICOR	28235299733093021	Nicor Moonseed	19001171	63090	Natural Gas	$46.00
	1452	NICOR	30831034894093021	Nicor Kingfisher	19001171	63090	Natural Gas	$46.00
	1452	NICOR	50980197128093021	Nicor Meadowhawk	19001171	63090	Natural Gas	$52.84
	1452	NICOR	72389374124093021	Nicor Hoover Residence	19001171	63090	Natural Gas	$29.87
	1452	NICOR	88551401149093021	Nicor Hoover Maintenance	19001171	63090	Natural Gas	$43.77
							Sub-Total	***$366.21***
	236	CENTRAL LIMESTONE CO INC	27134	Gravel for Hoover and Bowhunt Areas	19001171	68580	Grounds and Maintenance	$161.99
							Sub-Total	***$161.99***
						Hoover	**Total**	**$1,745.70**
							Grand Total	**$17,614.25**

CLERK: jgranholm BATCH: 1875 NEW INVOICES

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE

HELD INVOICES

21 00000 ADS, INC 555664 093021F 219.87 .00 .00

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001160 68580 109.94 1099:
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:ADS Ellis 19001161 68580 109.93 1099:

CONDITIONS THAT PREVENT POSTING INVOICE 21/21183

* Invoice must be approved or voided to post.

51 00001 AMAZON.COM 13TN-DHQC-RVKM 093021F 68.70 .00 .00

CASH 000008 2021/10 INV 09/24/2021 SEP-CHK: Y DISC: .00 19001183 63110 68.70 1099:
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Amazon Bow Hunt Supplies

CONDITIONS THAT PREVENT POSTING INVOICE 51/21333

* Invoice must be approved or voided to post.

67 00001 AMEREN IP 2786444006093021 093021F 27.22 .00 .00

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 190011 63510 27.22 1099:
ACCT 1Y210 DEPT 11 DUE 11/15/2021 DESC:Ameren

CONDITIONS THAT PREVENT POSTING INVOICE 67/21215

* Invoice must be approved or voided to post.

83 00000 ARNESON TIRE CEN 114925 093021F 372.90 .00 .00

CASH 000008 2021/10 INV 09/23/2021 SEP-CHK: Y DISC: .00 19001183 62160 372.90 1099:
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Loose Tires on Equipment

CONDITIONS THAT PREVENT POSTING INVOICE 83/21332

* Invoice must be approved or voided to post.

107 00000 AUTOMOTIVE SPECI 2014FORD 093021F 106.92 .00 .00

CASH 000008 2021/10 INV 09/20/2021 SEP-CHK: Y DISC: .00 19001183 62160 106.92 1099:
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:FORD 2014

CONDITIONS THAT PREVENT POSTING INVOICE 107/21193

* Invoice must be approved or voided to post.

CLERK: jgranholm BATCH: 1875 NEW INVOICES

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE
107	00000 AUTOMOTIVE SPECI	2009 FORD		093021F	106.92	.00	.00	
CASH 000008	2021/10	INV 09/20/2021	SEP-CHK: Y	DISC: .00		19001183 62160	106.92	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:2009 FORD					
CONDITIONS THAT PREVENT POSTING INVOICE		107/21194						
* Invoice must be approved or voided to post.								
107	00000 AUTOMOTIVE SPECI	2008FORD		093021F	106.92	.00	.00	
CASH 000008	2021/10	INV 09/20/2021	SEP-CHK: Y	DISC: .00		19001183 62160	106.92	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:2008 FORD					
CONDITIONS THAT PREVENT POSTING INVOICE		107/21201						
* Invoice must be approved or voided to post.								
124	00000 BARRETT'S ECOWAT	0010381093021		093021F	25.00	.00	.00	
CASH 000008	2021/10	INV 09/20/2021	SEP-CHK: Y	DISC: .00		19001160 68580	25.00	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:Barret's-Ellis Water Service					
CONDITIONS THAT PREVENT POSTING INVOICE		124/21334						
* Invoice must be approved or voided to post.								
236	00000 CENTRAL LIMESTON	27134		093021F	244.98	.00	.00	
CASH 000008	2021/10	INV 09/20/2021	SEP-CHK: Y	DISC: .00		19001183 63110	82.99	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:Gravel for Hoover and Bowhunt Areas			19001171 68580	161.99	1099:
CONDITIONS THAT PREVENT POSTING INVOICE		236/21262						
* Invoice must be approved or voided to post.								
678	00001 GRAINCO F.S. INC	B0000411169		093021F	296.26	.00	.00	
CASH 000008	2021/10	INV 09/21/2021	SEP-CHK: Y	DISC: .00		19001183 62180	296.26	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:Grounds Fuel					
CONDITIONS THAT PREVENT POSTING INVOICE		678/21228						
* Invoice must be approved or voided to post.								
678	00001 GRAINCO F.S. INC	B0000411168		093021F	1,148.04	.00	.00	
CASH 000008	2021/10	INV 09/21/2021	SEP-CHK: Y	DISC: .00		19001183 62180	1,148.04	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:Grounds Fuel					

CLERK: jgranholm BATCH: 1875 NEW INVOICES

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE

CONDITIONS THAT PREVENT POSTING INVOICE 678/21229

* Invoice must be approved or voided to post.

1223 00000 LASALLE COUNTY C 24266 093021F 29.97 .00 .00

CASH 000008 2021/10 INV 09/09/2021 SEP-CHK: Y DISC: .00 190711 68510 29.97 1099:
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Menards Native Plant Project-Hoover

CONDITIONS THAT PREVENT POSTING INVOICE 1223/21204

* Invoice must be approved or voided to post.

1323 00000 MENARDS 24271 093021F 89.85 .00 .00

CASH 000008 2021/10 INV 09/09/2021 SEP-CHK: Y DISC: .00 190711 68510 89.85 1099:
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Menards Native Plant Project-Hoover

CONDITIONS THAT PREVENT POSTING INVOICE 1323/21203

* Invoice must be approved or voided to post.

1323 00000 MENARDS 24323 093021F 19.88 .00 .00

CASH 000008 2021/10 INV 09/10/2021 SEP-CHK: Y DISC: .00 19001160 62000 19.88 1099:
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Menards Ellis House

CONDITIONS THAT PREVENT POSTING INVOICE 1323/21205

* Invoice must be approved or voided to post.

1323 00000 MENARDS 24406 093021F 24.19 .00 .00

CASH 000008 2021/10 INV 09/11/2021 SEP-CHK: Y DISC: .00 19001160 62000 24.19 1099:
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Menards Ellis 5K Supplies

CONDITIONS THAT PREVENT POSTING INVOICE 1323/21331

* Invoice must be approved or voided to post.

1452 00000 NICOR 879461100010093021 093021F 55.94 .00 .00

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001183 63090 55.94 1099:
ACCT 1Y210 DEPT 11 DUE 10/26/2021 DESC:Nicor Harris

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21173

* Invoice must be approved or voided to post.

CLERK: jgranholm BATCH: 1875 NEW INVOICES

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE
1452	00000 NICOR	24614203628093021		093021F	41.10	.00	.00	

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001171 63090 41.10 1099:
ACCT 1Y210 DEPT 11 DUE 10/26/2021 DESC:Nicor Blazing Star

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21174

* Invoice must be approved or voided to post.

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE
1452	00000 NICOR	85662610121093021		093021F	133.21	.00	.00	

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001183 63090 133.21 1099:
ACCT 1Y210 DEPT 11 DUE 10/26/2021 DESC:Nicor Millbrook

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21175

* Invoice must be approved or voided to post.

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE
1452	00000 NICOR	88551401149093021		093021F	43.77	.00	.00	

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001171 63090 43.77 1099:
ACCT 1Y210 DEPT 11 DUE 10/26/2021 DESC:Nicor Hoover Maintenance

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21176

* Invoice must be approved or voided to post.

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE
1452	00000 NICOR	72389374124093021		093021F	29.87	.00	.00	

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001171 63090 29.87 1099:
ACCT 1Y210 DEPT 11 DUE 10/04/2021 DESC:Nicor Hoover Residence

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21177

* Invoice must be approved or voided to post.

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE
1452	00000 NICOR	28235299733093021		093021F	46.00	.00	.00	

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001171 63090 46.00 1099:
ACCT 1Y210 DEPT 11 DUE 10/26/2021 DESC:Nicor Moonseed

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21178

* Invoice must be approved or voided to post.

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE
1452	00000 NICOR	23336698297093021		093021F	49.98	.00	.00	

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001171 63090 49.98 1099:
ACCT 1Y210 DEPT 11 DUE 10/26/2021 DESC:Nicor Hoover Rookery

CLERK: jgranholm BATCH: 1875 NEW INVOICES

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21179

* Invoice must be approved or voided to post.

1452 00000 NICOR 30831034894093021 093021F 46.00 .00 .00

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001171 63090 46.00 1099:
ACCT 1Y210 DEPT 11 DUE 10/26/2021 DESC:Nicor Kingfisher

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21180

* Invoice must be approved or voided to post.

1452 00000 NICOR 50980197128093021 093021F 52.84 .00 .00

CASH 000008 2021/10 INV 09/15/2021 SEP-CHK: Y DISC: .00 19001171 63090 52.84 1099:
ACCT 1Y210 DEPT 11 DUE 10/26/2021 DESC:Nicor Meadowhawk

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21182

* Invoice must be approved or voided to post.

1452 00000 NICOR 22827080327093021 093021F 56.65 .00 .00

CASH 000008 2021/10 INV 09/14/2021 SEP-CHK: Y DISC: .00 19001171 63090 56.65 1099:
ACCT 1Y210 DEPT 11 DUE 11/01/2021 DESC:Nicor Hoover Shop

CONDITIONS THAT PREVENT POSTING INVOICE 1452/21216

* Invoice must be approved or voided to post.

1655 00000 SERVICE SANITATI 50-493234093021 093021F 205.00 .00 .00

CASH 000008 2021/10 INV 09/17/2021 SEP-CHK: Y DISC: .00 19001183 63070 205.00 1099:
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Service Sanitation

CONDITIONS THAT PREVENT POSTING INVOICE 1655/21192

* Invoice must be approved or voided to post.

2047 00000 COMED 9361548011093021 093021F 803.18 .00 .00

CASH 000008 2021/10 INV 09/20/2021 SEP-CHK: Y DISC: .00 19001160 62270 803.18 1099:
ACCT 1Y210 DEPT 11 DUE 11/01/2021 DESC:ComEd Ellis

CONDITIONS THAT PREVENT POSTING INVOICE 2047/21195

* Invoice must be approved or voided to post.

CLERK: jgranholm BATCH: 1875 NEW INVOICES

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE
2047	00000 COMED	9361578000093021		093021F	19.67	.00	.00	
CASH 000008	2021/10	INV 09/20/2021	SEP-CHK: Y	DISC: .00		190011 63510	19.67	1099:
ACCT 1Y210	DEPT 11	DUE 10/29/2021	DESC:ComEd Baker Woods					
CONDITIONS THAT PREVENT POSTING INVOICE		2047/21199						
* Invoice must be approved or voided to post.								
2047	00000 COMED	1123166102093021		093021F	48.82	.00	.00	
CASH 000008	2021/10	INV 09/20/2021	SEP-CHK: Y	DISC: .00		190011 63510	48.82	1099:
ACCT 1Y210	DEPT 11	DUE 11/22/2021	DESC:ComEd Jay Woods					
CONDITIONS THAT PREVENT POSTING INVOICE		2047/21335						
* Invoice must be approved or voided to post.								
2297	00000 FOX RIDGE STONE	4996		093021F	68.50	.00	.00	
CASH 000008	2021/10	INV 09/04/2021	SEP-CHK: Y	DISC: .00		19001183 68530	68.50	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:Boulders-preserve improvements					
CONDITIONS THAT PREVENT POSTING INVOICE		2297/21184						
* Invoice must be approved or voided to post.								
3162	00000 PIZZO NATIVE PLA	SI-18597		093021F	5,823.60	.00	.00	
CASH 000008	2021/10	INV 09/10/2021	SEP-CHK: Y	DISC: .00		190711 68520	5,823.60	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:Native Plants-Hoover					
CONDITIONS THAT PREVENT POSTING INVOICE		3162/21202						
* Invoice must be approved or voided to post.								
3256	00000 LAURA PANOSH	093021		093021F	240.00	.00	.00	
CASH 000008	2021/10	INV 09/20/2021	SEP-CHK: Y	DISC: .00		19001179 63040	240.00	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:Aft Adv Cancellation Refund					
CONDITIONS THAT PREVENT POSTING INVOICE		3256/21198						
* Invoice must be approved or voided to post.								
3257	00000 JACQUELINE GARRE	091321		093021F	240.00	.00	.00	
CASH 000008	2021/10	INV 09/20/2021	SEP-CHK: Y	DISC: .00		19001179 63040	240.00	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:Refund for Afternoon Adv cancellation					

CLERK: jgranholm BATCH: 1875 NEW INVOICES

VENDOR REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE CHK/WIRE

CONDITIONS THAT PREVENT POSTING INVOICE 3257/21196

* Invoice must be approved or voided to post.

3258 00000 BRIAN JOHNSON 091321 093021F 480.00 .00 .00

CASH 000008 2021/10 INV 09/20/2021 SEP-CHK: Y DISC: .00
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Refund for Cancelled Aft Adv
19001179 63040 480.00 1099:

CONDITIONS THAT PREVENT POSTING INVOICE 3258/21197

* Invoice must be approved or voided to post.

3259 00000 JOHN JOHNSTON 093021 093021F 1,000.00 .00 .00

CASH 000008 2021/10 INV 09/20/2021 SEP-CHK: Y DISC: .00
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Sec Dep Return Ellis Wedding
19001168 63040 1,000.00 1099:

CONDITIONS THAT PREVENT POSTING INVOICE 3259/21200

* Invoice must be approved or voided to post.

3261 00000 NICHOLE ROBERTSO 20-00144 093021F 900.00 .00 .00

CASH 000008 2021/10 INV 09/19/2021 SEP-CHK: Y DISC: .00
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:MHL Sec Dep Return
19001171 63040 900.00 1099:

CONDITIONS THAT PREVENT POSTING INVOICE 3261/21219

* Invoice must be approved or voided to post.

3262 00000 WIGHT & COMPANY 210143-001 093021F 3,875.00 .00 .00

CASH 000008 2021/10 INV 08/31/2021 SEP-CHK: Y DISC: .00
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Subat Nature Preserve
190411 62150 3,875.00 1099:

CONDITIONS THAT PREVENT POSTING INVOICE 3262/21217

* Invoice must be approved or voided to post.

3263 00000 REBEKAH BARQUIRA 21-00177 093021F 100.00 .00 .00

CASH 000008 2021/10 INV 09/20/2021 SEP-CHK: Y DISC: .00
ACCT 1Y210 DEPT 11 DUE 09/30/2021 DESC:Moonseed Sec Deposit Return
19001171 63040 100.00 1099:

CONDITIONS THAT PREVENT POSTING INVOICE 3263/21218

* Invoice must be approved or voided to post.

CLERK: jgranholm BATCH: 1875 NEW INVOICES

VENDOR	REMIT NAME	INVOICE	PO	CHECK RUN	NET AMOUNT	EXCEEDS PO BY	PO BALANCE	CHK/WIRE
3265	00000 KAYLEA DAVILA	21-00115		093021F	217.50	.00	.00	
CASH 000008	2021/10	INV 09/26/2021	SEP-CHK: Y	DISC: .00		19001171 63040	217.50	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:MHL Sec Dep Return					
CONDITIONS THAT PREVENT POSTING INVOICE			3265/21227					
* Invoice must be approved or voided to post.								
3267	00000 SUBURBAN LABORAT	192970		093021F	150.00	.00	.00	
CASH 000008	2021/10	INV 08/24/2021	SEP-CHK: Y	DISC: .00		190011 62150	150.00	1099:
ACCT 1Y210	DEPT 11	DUE 09/30/2021	DESC:Water Testing					
CONDITIONS THAT PREVENT POSTING INVOICE			3267/21336					
* Invoice must be approved or voided to post.								
40 HELD INVOICES			TOTAL		17,614.25			
0 INVOICE(S)			REPORT POST TOTAL		.00			
				REPORT TOTALS		.00		

FOR 2021 09

ACCOUNTS FOR: 1900 Forest Preserve	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190011 Forest Preserve							
190011 40300 Transf. from FP Bnd P	0	-45	-46.23	.00	.00	1.23	102.7%
190011 40350 Transf. from Proj. Im	0	-215,029	-215,085.83	.00	.00	56.83	100.0%
190011 41010 Current Property Tax	-640,646	-640,646	-366,564.01	-23,440.83	.00	-274,081.99	57.2%*
190011 41350 Interest Income	-591	-591	-113.82	-14.05	.00	-477.18	19.3%*
190011 42250 Revenue	-620	-9,754	-16,732.53	-348.00	.00	6,978.53	171.5%
190011 42860 Donations	-500	-5,500	.00	.00	.00	-5,500.00	.0%*
190011 42930 Farm License Revenue	-95,379	-95,379	-93,329.78	.00	.00	-2,049.22	97.9%*
190011 42940 Credit Card Fee	-2,219	-2,219	-2,125.05	-311.70	.00	-93.95	95.8%*
190011 51090 Salaries - Per Diem	10,000	10,000	72.00	.00	.00	9,928.00	.7%
190011 51160 Salaries - Part Time	0	0	4,449.88	1,750.00	.00	-4,449.88	100.0%*
190011 51390 Salaries - Full Time	161,800	161,800	111,716.74	9,341.78	.00	50,083.26	69.0%
190011 51470 Salaries - Stipends	21,626	21,626	10,901.15	1,268.26	.00	10,724.85	50.4%
190011 61160 Transf. to IMRF Fund	16,416	16,416	21,676.78	2,051.76	.00	-5,260.78	132.0%*
190011 61170 Transf. to SSI Fund	14,032	14,032	.00	.00	.00	14,032.00	.0%
190011 61230 Transf. to Gen Fund (	28,789	28,789	21,361.36	1,412.39	.00	7,427.64	74.2%
190011 62000 Office Supplies	1,000	8,906	5,652.42	234.98	.00	3,253.58	63.5%
190011 62040 Conferences	500	500	250.00	.00	.00	250.00	50.0%
190011 62090 Legal Publications	600	1,000	876.09	.00	.00	123.91	87.6%
190011 62150 Contractual Services	4,250	5,668	3,354.95	.00	.00	2,313.05	59.2%
190011 62160 Equipment	0	0	228.02	.00	.00	-228.02	100.0%*
190011 63510 Electric	2,900	3,000	1,830.08	46.89	.00	1,169.92	61.0%
190011 65490 Auditing & Accounting	8,000	8,000	8,000.00	.00	.00	.00	100.0%
190011 68000 Liability Insurance P	59,514	52,592	52,773.00	.00	.00	-181.00	100.3%*
190011 68340 Farm Lease Contract	500	500	.00	.00	.00	500.00	.0%
190011 68430 Marketing / Publicity	500	1,000	804.92	.00	.00	195.08	80.5%
190011 68440 Newsletter	400	400	216.00	.00	.00	184.00	54.0%
190011 68500 Project Fund Expenses	0	5,000	889.98	.00	.00	4,110.02	17.8%
190011 68540 Contributions	0	1,000	891.94	.00	.00	108.06	89.2%
190011 68560 Credit Card Fee	5,750	6,750	6,257.86	834.76	.00	492.14	92.7%
190011 69790 Contingency	0	11,500	.00	.00	.00	11,500.00	.0%
TOTAL Forest Preserve	-403,378	-610,684	-441,794.08	-7,173.76	.00	-168,889.92	72.3%
19001160 Ellis House							
19001160 51160 Salaries - Part Tim	1,100	1,100	1,285.24	245.00	.00	-185.24	116.8%*
19001160 51390 Salaries - Full Tim	10,071	10,071	6,589.52	776.24	.00	3,481.48	65.4%
19001160 62000 Office Supplies	250	750	432.51	.00	.00	317.49	57.7%

FOR 2021 09

ACCOUNTS FOR: 1900 Forest Preserve	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
19001160 62270 Utilities	6,100	6,120	5,529.90	733.02	.00	590.10	90.4%
19001160 63050 Employer Contr. SSI	1,756	1,756	1,282.98	147.59	.00	473.02	73.1%
19001160 68580 Grounds and Mainten	3,800	3,800	3,140.82	41.61	.00	659.18	82.7%
TOTAL Ellis House	23,077	23,597	18,260.97	1,943.46	.00	5,336.03	77.4%
19001161 Ellis Barn							
19001161 51160 Salaries - Part Tim	1,100	1,100	1,140.02	5.50	.00	-40.02	103.6%*
19001161 51390 Salaries - Full Tim	10,071	10,071	6,589.70	776.26	.00	3,481.30	65.4%
19001161 62270 Utilities	6,100	6,120	4,518.14	.00	.00	1,601.86	73.8%
19001161 63050 Employer Contr. SSI	1,756	1,756	1,310.45	129.28	.00	445.55	74.6%
19001161 68580 Grounds and Mainten	2,000	2,000	2,726.77	.00	.00	-726.77	136.3%*
TOTAL Ellis Barn	21,027	21,047	16,285.08	911.04	.00	4,761.92	77.4%
19001162 Ellis Grounds							
19001162 42250 Revenue	-22,087	-22,087	-24,203.89	-23,438.84	.00	2,116.89	109.6%
19001162 51160 Salaries - Part Tim	2,200	2,200	1,423.00	25.00	.00	777.00	64.7%
19001162 51390 Salaries - Full Tim	20,142	20,142	13,179.22	1,552.50	.00	6,962.78	65.4%
19001162 63050 Employer Contr. SSI	3,512	3,512	2,486.91	260.88	.00	1,025.09	70.8%
19001162 68580 Grounds and Mainten	4,000	4,000	4,482.43	537.76	.00	-482.43	112.1%*
TOTAL Ellis Grounds	7,767	7,767	-2,632.33	-21,062.70	.00	10,399.33	-33.9%
19001163 Ellis Camps							
19001163 42250 Revenue	-2,605	-6,250	-8,033.32	-358.32	.00	1,783.32	128.5%
19001163 51160 Salaries - Part Tim	1,650	3,110	2,462.23	1,056.67	.00	647.77	79.2%
19001163 63030 Program Supplies	100	450	206.88	.00	.00	243.12	46.0%
19001163 63040 Security Deposit Re	0	500	.00	.00	.00	500.00	.0%
19001163 63050 Employer Contr. SSI	219	517	200.07	82.18	.00	316.93	38.7%
TOTAL Ellis Camps	-636	-1,673	-5,164.14	780.53	.00	3,491.14	308.7%
19001164 Ellis Riding Lessions							
19001164 42250 Revenue	-56,817	-57,817	-57,230.00	-4,846.00	.00	-587.00	99.0%*

FOR 2021 09

ACCOUNTS FOR: 1900 Forest Preserve	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
19001164 42860 Donations	-200	-200	.00	.00	.00	-200.00	.0%*
19001164 51160 Salaries - Part Tim	37,638	37,638	34,725.40	4,834.50	.00	2,912.60	92.3%
19001164 63000 Animal Care & Suppl	8,100	9,200	5,853.46	.00	.00	3,346.54	63.6%
19001164 63010 Horse Acquisition &	0	0	1,500.00	.00	.00	-1,500.00	100.0%*
19001164 63020 Vet & Farrier	8,500	9,000	3,560.00	380.00	.00	5,440.00	39.6%
19001164 63040 Security Deposit Re	0	1,000	105.00	.00	.00	895.00	10.5%
19001164 63050 Employer Contr. SSI	4,936	4,936	3,211.08	430.92	.00	1,724.92	65.1%
TOTAL Ellis Riding Lessions	2,157	3,757	-8,275.06	799.42	.00	12,032.06	-220.3%
19001165 Ellis Birthday Parties							
19001165 42250 Revenue	-4,226	-4,226	-3,963.00	-442.00	.00	-263.00	93.8%*
19001165 51160 Salaries - Part Tim	4,676	4,676	5,766.80	256.50	.00	-1,090.80	123.3%*
19001165 63030 Program Supplies	200	300	166.30	.00	.00	133.70	55.4%
19001165 63050 Employer Contr. SSI	622	622	719.99	26.33	.00	-97.99	115.8%*
TOTAL Ellis Birthday Parties	1,272	1,372	2,690.09	-159.17	.00	-1,318.09	196.1%
19001166 Ellis Public Programs							
19001166 42250 Revenue	-1,742	-1,742	-2,536.00	-543.00	.00	794.00	145.6%
19001166 51160 Salaries - Part Tim	2,015	2,015	761.00	471.50	.00	1,254.00	37.8%
19001166 63020 Vet & Farrier	500	500	.00	.00	.00	500.00	.0%
19001166 63050 Employer Contr. SSI	304	304	96.48	63.59	.00	207.52	31.7%
19001166 68570 Volunteer Expense	0	150	.00	.00	.00	150.00	.0%
TOTAL Ellis Public Programs	1,077	1,227	-1,678.52	-7.91	.00	2,905.52	-136.8%
19001167 Ellis Sunrise Center							
19001167 42250 Revenue	-21,385	-23,360	-18,940.00	-1,950.00	.00	-4,420.00	81.1%*
19001167 51160 Salaries - Part Tim	17,000	17,000	10,086.21	376.50	.00	6,913.79	59.3%
19001167 63000 Animal Care & Suppl	1,200	1,200	925.75	.00	.00	274.25	77.1%
19001167 63050 Employer Contr. SSI	2,260	2,260	1,063.81	50.96	.00	1,196.19	47.1%
TOTAL Ellis Sunrise Center	-925	-2,900	-6,864.23	-1,522.54	.00	3,964.23	236.7%
19001168 Ellis Weddings							
19001168 42250 Revenue	-7,625	-12,190	-12,350.00	-3,850.00	.00	160.00	101.3%

FOR 2021 09

ACCOUNTS FOR: 1900 Forest Preserve	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
19001168 43450 Security Deposit Re	-7,300	-7,300	-11,575.00	-2,200.00	.00	4,275.00	158.6%
19001168 51160 Salaries - Part Tim	1,452	1,452	1,177.95	373.25	.00	274.05	81.1%
19001168 63040 Security Deposit Re	4,200	7,400	2,075.00	.00	.00	5,325.00	28.0%
19001168 63050 Employer Contr. SSI	111	111	128.66	47.04	.00	-17.66	115.9%*
19001168 63070 Refuse Pickup	1,600	1,700	1,212.90	.00	.00	487.10	71.3%
TOTAL Ellis Weddings	-7,562	-8,827	-19,330.49	-5,629.71	.00	10,503.49	219.0%
19001169 Ellis Other Rentals							
19001169 42250 Revenue	-2,100	-2,100	-2,595.00	.00	.00	495.00	123.6%
19001169 43450 Security Deposit Re	-2,300	-2,300	-1,925.00	.00	.00	-375.00	83.7%*
19001169 51160 Salaries - Part Tim	1,452	1,452	.00	.00	.00	1,452.00	.0%
19001169 63040 Security Deposit Re	300	300	1,000.00	.00	.00	-700.00	333.3%*
19001169 63050 Employer Contr. SSI	111	111	.00	.00	.00	111.00	.0%
TOTAL Ellis Other Rentals	-2,537	-2,537	-3,520.00	.00	.00	983.00	138.7%
19001170 Ellis 5K							
19001170 42250 Revenue	-250	-250	-250.00	.00	.00	.00	100.0%
TOTAL Ellis 5K	-250	-250	-250.00	.00	.00	.00	100.0%
19001171 Hoover							
19001171 42250 Revenue	-5,052	-5,052	-5,000.00	-500.00	.00	-52.00	99.0%*
19001171 51160 Salaries - Part Tim	23,697	15,584	10,772.88	1,381.64	.00	4,811.12	69.1%
19001171 51390 Salaries - Full Tim	43,949	43,949	30,868.87	3,380.70	.00	13,080.13	70.2%
19001171 62270 Utilities	4,555	4,600	3,045.00	.00	.00	1,555.00	66.2%
19001171 63040 Security Deposit Re	2,000	6,617	4,842.25	962.50	.00	1,774.75	73.2%
19001171 63050 Employer Contr. SSI	11,075	9,728	6,152.16	666.89	.00	3,575.84	63.2%
19001171 63060 ER Contr Health/Den	9,617	9,617	8,432.15	762.75	.00	1,184.85	87.7%
19001171 63090 Natural Gas	5,700	5,750	4,680.36	361.83	.00	1,069.64	81.4%
19001171 63100 Electric	13,950	13,950	10,877.26	920.69	.00	3,072.74	78.0%
19001171 63110 Shop Supplies	3,000	3,000	1,939.37	.00	.00	1,060.63	64.6%
19001171 63120 Building Maintenanc	4,000	5,000	5,314.75	665.00	.00	-314.75	106.3%*
19001171 66500 Miscellaneous Expen	1,000	1,000	.00	.00	.00	1,000.00	.0%

FOR 2021 09

ACCOUNTS FOR: 1900 Forest Preserve	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
19001171 68580 Grounds and Mainten	4,000	4,000	2,707.54	900.00	.00	1,292.46	67.7%
TOTAL Hoover	121,491	117,743	84,632.59	9,502.00	.00	33,110.41	71.9%
19001172 Hoover Bunkhouse							
19001172 42250 Revenue	-11,370	-11,370	-6,399.00	-1,045.00	.00	-4,971.00	56.3%*
19001172 43450 Security Deposit Re	-2,000	-2,000	-800.00	-700.00	.00	-1,200.00	40.0%*
19001172 51160 Salaries - Part Tim	11,848	7,792	5,389.91	690.87	.00	2,402.09	69.2%
19001172 51390 Salaries - Full Tim	21,975	21,975	15,547.72	1,690.36	.00	6,427.28	70.8%
19001172 63050 Employer Contr. SSI	5,537	4,864	3,076.39	333.45	.00	1,787.61	63.2%
19001172 63060 ER Contr Health/Den	4,808	4,808	4,216.04	381.37	.00	591.96	87.7%
TOTAL Hoover Bunkhouse	30,798	26,069	21,031.06	1,351.05	.00	5,037.94	80.7%
19001173 Hoover Campsite							
19001173 42250 Revenue	-1,655	-1,655	-3,160.00	-615.00	.00	1,505.00	190.9%
19001173 51160 Salaries - Part Tim	5,924	3,896	2,695.60	345.39	.00	1,200.40	69.2%
19001173 51390 Salaries - Full Tim	10,987	10,987	7,773.69	845.16	.00	3,213.31	70.8%
19001173 63050 Employer Contr. SSI	2,769	2,432	1,538.17	166.71	.00	893.83	63.2%
19001173 63060 ER Contr Health/Den	2,405	2,405	2,108.05	190.69	.00	296.95	87.7%
TOTAL Hoover Campsite	20,430	18,065	10,955.51	932.95	.00	7,109.49	60.6%
19001174 Hoover Meadowhawk Lodge							
19001174 42250 Revenue	-10,337	-10,337	-11,565.00	-735.00	.00	1,228.00	111.9%
19001174 43450 Security Deposit Re	-4,617	-4,617	-4,277.50	-400.00	.00	-339.50	92.6%*
19001174 51160 Salaries - Part Tim	5,924	3,896	2,691.97	345.39	.00	1,204.03	69.1%
19001174 51390 Salaries - Full Tim	10,987	10,987	7,773.69	845.16	.00	3,213.31	70.8%
19001174 63050 Employer Contr. SSI	2,769	2,432	1,537.89	166.71	.00	894.11	63.2%
19001174 63060 ER Contr Health/Den	2,405	2,405	2,108.05	190.69	.00	296.95	87.7%
TOTAL Hoover Meadowhawk Lodge	7,131	4,766	-1,730.90	412.95	.00	6,496.90	-36.3%
19001175 Environmental Education							
19001175 42860 Donations	-500	-500	.00	.00	.00	-500.00	.0%*

FOR 2021 09

ACCOUNTS FOR: 1900 Forest Preserve	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
TOTAL Environmental Education	-500	-500	.00	.00	.00	-500.00	.0%
19001176 Environmental Education School							
19001176 42250 Revenue	-5,357	-5,357	-260.00	-110.00	.00	-5,097.00	4.9%*
19001176 51160 Salaries - Part Tim	10,000	10,000	369.35	.00	.00	9,630.65	3.7%
19001176 51390 Salaries - Full Tim	17,823	17,823	12,978.51	1,373.40	.00	4,844.49	72.8%
19001176 63050 Employer Contr. SSI	3,896	3,896	2,263.32	227.99	.00	1,632.68	58.1%
TOTAL Environmental Education Sch	26,362	26,362	15,351.18	1,491.39	.00	11,010.82	58.2%
19001177 Environmental Education Camps							
19001177 42250 Revenue	-17,620	-20,020	-34,860.00	.00	.00	14,840.00	174.1%
19001177 51160 Salaries - Part Tim	8,100	8,100	10,890.57	3,192.32	.00	-2,790.57	134.5%*
19001177 51390 Salaries - Full Tim	11,098	11,098	8,021.90	848.80	.00	3,076.10	72.3%
19001177 63030 Program Supplies	200	209	448.66	28.90	.00	-239.66	214.7%*
19001177 63040 Security Deposit Re	0	1,200	955.00	.00	.00	245.00	79.6%
19001177 63050 Employer Contr. SSI	2,538	2,538	2,343.05	415.49	.00	194.95	92.3%
TOTAL Environmental Education Cam	4,316	3,125	-12,200.82	4,485.51	.00	15,325.82	-390.4%
19001178 Environmental Educ. Natrl Beg.							
19001178 42250 Revenue	-97,194	-110,000	-93,426.22	-5,135.00	.00	-16,573.78	84.9%*
19001178 42860 Donations	-800	-800	.00	.00	.00	-800.00	.0%*
19001178 51160 Salaries - Part Tim	52,935	52,935	40,159.45	1,669.35	.00	12,775.55	75.9%
19001178 51390 Salaries - Full Tim	29,981	29,981	20,789.13	2,313.00	.00	9,191.87	69.3%
19001178 63030 Program Supplies	1,000	2,000	941.45	.00	.00	1,058.55	47.1%
19001178 63040 Security Deposit Re	0	3,500	810.00	.00	.00	2,690.00	23.1%
19001178 63050 Employer Contr. SSI	11,575	11,575	8,542.27	646.14	.00	3,032.73	73.8%
TOTAL Environmental Educ. Natrl B	-2,503	-10,809	-22,183.92	-506.51	.00	11,374.92	205.2%
19001179 Environ. Educ. Other Pblc Prg							
19001179 42250 Revenue	-12,589	-17,435	-20,847.00	-5,470.00	.00	3,412.00	119.6%

FOR 2021 09

ACCOUNTS FOR: 1900 Forest Preserve	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
19001179 51160 Salaries - Part Tim	5,794	7,150	4,780.76	207.00	.00	2,369.24	66.9%
19001179 51390 Salaries - Full Tim	3,030	3,030	2,051.38	231.84	.00	978.62	67.7%
19001179 63030 Program Supplies	250	250	80.88	.00	.00	169.12	32.4%
19001179 63040 Security Deposit Re	0	1,000	810.00	.00	.00	190.00	81.0%
19001179 63050 Employer Contr. SSI	690	690	769.61	54.33	.00	-79.61	111.5%*
TOTAL Environ. Educ. Other Pblc P	-2,825	-5,315	-12,354.37	-4,976.83	.00	7,039.37	232.4%
19001180 Environ. Educ. Laws of Nature							
19001180 51160 Salaries - Part Tim	2,000	2,000	184.95	.00	.00	1,815.05	9.2%
19001180 51390 Salaries - Full Tim	1,187	1,187	989.63	90.84	.00	197.37	83.4%
19001180 63030 Program Supplies	100	100	27.06	.00	.00	72.94	27.1%
19001180 63050 Employer Contr. SSI	358	358	176.55	.00	.00	181.45	49.3%
TOTAL Environ. Educ. Laws of Natu	3,645	3,645	1,378.19	90.84	.00	2,266.81	37.8%
19001181 Environmental Educ. Other							
19001181 51160 Salaries - Part Tim	0	0	145.75	.00	.00	-145.75	100.0%*
19001181 63050 Employer Contr. SSI	0	0	11.15	.00	.00	-11.15	100.0%*
TOTAL Environmental Educ. Other	0	0	156.90	.00	.00	-156.90	100.0%
19001183 Grounds and Natural Resources							
19001183 42250 Revenue	-17,347	-24,596	-16,360.00	-16,150.00	.00	-8,236.00	66.5%*
19001183 42860 Donations	-1,950	-1,950	.00	.00	.00	-1,950.00	.0%*
19001183 42900 Picnic Fees and She	-2,625	-2,625	-3,805.00	-360.00	.00	1,180.00	145.0%
19001183 42920 Preserve Improvemen	-21,000	0	.00	.00	.00	.00	.0%
19001183 51160 Salaries - Part Tim	24,473	15,299	6,784.72	998.50	.00	8,514.28	44.3%
19001183 51390 Salaries - Full Tim	84,937	88,633	61,307.68	6,771.88	.00	27,325.32	69.2%
19001183 62160 Equipment	5,000	15,000	11,998.91	.00	.00	3,001.09	80.0%
19001183 62180 Gasoline / Fuel / O	13,050	13,100	5,827.34	.00	.00	7,272.66	44.5%
19001183 62400 Uniforms / Clothing	0	0	441.91	.00	.00	-441.91	100.0%*
19001183 63040 Security Deposit Re	0	0	50.00	.00	.00	-50.00	100.0%*
19001183 63050 Employer Contr. SSI	17,124	15,883	7,486.61	1,200.52	.00	8,396.39	47.1%
19001183 63060 ER Contr Health/Den	29,899	29,899	21,529.88	2,236.78	.00	8,369.12	72.0%

FOR 2021 09

ACCOUNTS FOR: 1900 Forest Preserve	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
19001183 63070 Refuse Pickup	6,500	6,500	7,681.88	205.00	.00	-1,181.88	118.2%*
19001183 63090 Natural Gas	3,500	3,475	2,976.72	192.10	.00	498.28	85.7%
19001183 63110 Shop Supplies	1,000	4,150	3,681.50	207.26	.00	468.50	88.7%
19001183 63540 Telephones	11,750	11,750	6,774.04	.00	.00	4,975.96	57.7%
19001183 68530 Preserve Improvemen	0	250	540.86	.00	.00	-290.86	216.3%*
TOTAL Grounds and Natural Resourc	154,311	174,768	116,917.05	-4,697.96	.00	57,850.95	66.9%
19001184 Pickerill - Pigott							
19001184 42900 Picnic Fees and She	-11,198	-12,584	-5,230.00	.00	.00	-7,354.00	41.6%*
19001184 63100 Electric	7,453	7,450	3,778.39	.00	.00	3,671.61	50.7%
TOTAL Pickerill - Pigott	-3,745	-5,134	-1,451.61	.00	.00	-3,682.39	28.3%
TOTAL Forest Preserve	0	-215,319	-251,771.85	-23,035.95	.00	36,452.85	116.9%
TOTAL REVENUES	-1,091,803	-1,339,883	-1,043,588.18	-92,962.74	.00	-296,294.82	
TOTAL EXPENSES	1,091,803	1,124,564	791,816.33	69,926.79	.00	332,747.67	

FOR 2021 09

ACCOUNTS FOR: 1901 FP Bond Proceeds 2007	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190111 FP Bond Proceeds 2007							
190111 41350 Interest Income	-200	135	-36.83	-17.37	.00	171.83	-27.3%
190111 61340 Transf. to Forest Pre	0	45	46.23	.00	.00	-1.23	102.7%*
190111 61360 Transf to FP OSLAD Gr	12,942	158,250	158,250.00	.00	.00	.00	100.0%
190111 61370 Transf. to Fox Rvr Bl	561,798	0	.00	.00	.00	.00	.0%
190111 61400 Trans to FP Capital P	0	393,698	393,698.00	.00	.00	.00	100.0%
190111 61410 Trnsf. to FRB Crplnd	0	54,313	54,313.00	.00	.00	.00	100.0%
190111 68640 Fiscal Agent Fee	3,500	0	.00	.00	.00	.00	.0%
TOTAL FP Bond Proceeds 2007	578,040	606,441	606,270.40	-17.37	.00	170.60	100.0%
TOTAL FP Bond Proceeds 2007	578,040	606,441	606,270.40	-17.37	.00	170.60	100.0%
TOTAL REVENUES	-200	135	-36.83	-17.37	.00	171.83	
TOTAL EXPENSES	578,240	606,306	606,307.23	.00	.00	-1.23	

FOR 2021 09

ACCOUNTS FOR: 1902 FP Debt Service 2012	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190211 FP Debt Service 2012							
190211 41010 Current Property Tax	-430,500	-430,500	-247,859.03	-15,849.96	.00	-182,640.97	57.6%*
190211 41350 Interest Income	-1,300	-1,300	-217.68	-31.18	.00	-1,082.32	16.7%*
190211 68640 Fiscal Agent Fee	0	0	450.00	.00	.00	-450.00	100.0%*
190211 68650 Debt Service Interest	30,825	30,825	30,825.00	.00	.00	.00	100.0%
190211 68700 Debt Service Principa	385,000	385,000	385,000.00	.00	.00	.00	100.0%
TOTAL FP Debt Service 2012	-15,975	-15,975	168,198.29	-15,881.14	.00	-184,173.29	-1052.9%
TOTAL FP Debt Service 2012	-15,975	-15,975	168,198.29	-15,881.14	.00	-184,173.29	-1052.9%
TOTAL REVENUES	-431,800	-431,800	-248,076.71	-15,881.14	.00	-183,723.29	
TOTAL EXPENSES	415,825	415,825	416,275.00	.00	.00	-450.00	

FOR 2021 09

ACCOUNTS FOR: 1903 FP Debt Service 2015/2016/2017	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190311 FP Debt Service 2015/2016/2017							
190311 41010 Current Property Tax	-4,605,188	-4,605,188	-2,654,471.62	-169,746.74	.00	-1,950,716.38	57.6%*
190311 41350 Interest Income	-1,200	-1,200	-503.07	-104.26	.00	-696.93	41.9%*
190311 66500 Miscellaneous Expense	0	475	475.00	.00	.00	.00	100.0%
190311 68640 Fiscal Agent Fee	0	950	950.00	.00	.00	.00	100.0%
190311 68710 Dbt Srv 2015 Interest	355,018	355,018	355,017.50	.00	.00	.50	100.0%
190311 68720 Dbt Srv 2015 Principa	45,000	45,000	45,000.00	.00	.00	.00	100.0%
190311 68730 Dbt Srv 2016 Interest	294,188	294,188	294,187.50	.00	.00	.50	100.0%
190311 68740 Dbt Srv 2016 Principa	100,000	100,000	100,000.00	.00	.00	.00	100.0%
190311 68750 Dbt Srv 2017 Interest	627,625	627,625	627,625.00	.00	.00	.00	100.0%
190311 68760 Dbt Srv 2017 Principa	2,765,000	2,765,000	2,765,000.00	.00	.00	.00	100.0%
TOTAL FP Debt Service 2015/2016/2	-419,557	-418,132	1,533,280.31	-169,851.00	.00	-1,951,412.31	-366.7%
TOTAL FP Debt Service 2015/2016/2	-419,557	-418,132	1,533,280.31	-169,851.00	.00	-1,951,412.31	-366.7%
TOTAL REVENUES	-4,606,388	-4,606,388	-2,654,974.69	-169,851.00	.00	-1,951,413.31	
TOTAL EXPENSES	4,186,831	4,188,256	4,188,255.00	.00	.00	1.00	

FOR 2021 09

ACCOUNTS FOR: 1904 FP Restricted Subat Fund	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190411 FP Restricted Subat Fund							
190411 41350 Interest Income	-8,570	-6,715	-320.03	-15.24	.00	-6,394.97	4.8%*
190411 62150 Contractual Services	40,000	40,000	.00	.00	.00	40,000.00	.0%
TOTAL FP Restricted Subat Fund	31,430	33,285	-320.03	-15.24	.00	33,605.03	-1.0%
TOTAL FP Restricted Subat Fund	31,430	33,285	-320.03	-15.24	.00	33,605.03	-1.0%
TOTAL REVENUES	-8,570	-6,715	-320.03	-15.24	.00	-6,394.97	
TOTAL EXPENSES	40,000	40,000	.00	.00	.00	40,000.00	

FOR 2021 09

ACCOUNTS FOR: 1905 OSLAD Grant	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190511 OSLAD Outdoor Rec. Acq.							
190511 40300 Transf. from FP Bnd P	-12,942	-158,250	-158,250.00	.00	.00	.00	100.0%
190511 42970 Grant Award	-158,250	-158,250	.00	.00	.00	-158,250.00	.0%*
190511 61420 Trnsf. to FP Capital	0	158,250	.00	.00	.00	158,250.00	.0%
190511 70040 Supplies	0	5,238	984.24	.00	.00	4,253.76	18.8%
190511 70050 Contractual Services	0	19,840	24,093.44	.00	.00	-4,253.44	121.4%*
190511 70060 Consultants	5,125	0	.00	.00	.00	.00	.0%
190511 70330 Construction	38,923	0	.00	.00	.00	.00	.0%
TOTAL OSLAD Outdoor Rec. Acq.	-127,144	-133,172	-133,172.32	.00	.00	.32	100.0%
TOTAL OSLAD Grant	-127,144	-133,172	-133,172.32	.00	.00	.32	100.0%
TOTAL REVENUES	-171,192	-316,500	-158,250.00	.00	.00	-158,250.00	
TOTAL EXPENSES	44,048	183,328	25,077.68	.00	.00	158,250.32	

FOR 2021 09

ACCOUNTS FOR: 1906 Forest Preserve Improvement	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190611 Forest Preserve Improvement							
190611 41350 Interest Income	-3,750	-29	-57.14	.00	.00	28.14	197.0%
190611 61300 Transf. to FP Bnd Prd	386,620	0	.00	.00	.00	.00	.0%
190611 61340 Transf. to Forest Pre	0	215,029	215,085.83	.00	.00	-56.83	100.0%*
190611 61400 Trans to FP Capital P	0	164,116	164,116.00	.00	.00	.00	100.0%
TOTAL Forest Preserve Improvement	382,870	379,116	379,144.69	.00	.00	-28.69	100.0%
TOTAL Forest Preserve Improvement	382,870	379,116	379,144.69	.00	.00	-28.69	100.0%
TOTAL REVENUES	-3,750	-29	-57.14	.00	.00	28.14	
TOTAL EXPENSES	386,620	379,145	379,201.83	.00	.00	-56.83	

FOR 2021 09

ACCOUNTS FOR: 1907 Forest Preserve Capital Exp.	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190711 Forest Preserve Capital Exp.							
190711 40300 Transf. from FP Bnd P	0	-393,698	-393,698.00	.00	.00	.00	100.0%
190711 40340 Transf fr Fox Rvr Blf	0	-30,000	.00	.00	.00	-30,000.00	.0%*
190711 40350 Transf. from Proj. Im	-624,255	-164,116	-164,116.00	.00	.00	.00	100.0%
190711 40370 Transf. from OSLAD Fu	0	-158,250	.00	.00	.00	-158,250.00	.0%*
190711 41350 Interest Income	-200	-200	-67.15	-8.81	.00	-132.85	33.6%*
190711 42490 Other Revenue	-5,000	-5,000	-17,849.64	.00	.00	12,849.64	357.0%
190711 43430 Morton Arboretum USFS	-50,000	-25,000	.00	.00	.00	-25,000.00	.0%*
190711 43440 Trail Improvement Esc	-23,177	0	.00	.00	.00	.00	.0%
190711 43740 Land Acq. Grant ICECF	-170,800	0	.00	.00	.00	.00	.0%
190711 43750 Preserve Improvements	-10,000	0	.00	.00	.00	.00	.0%
190711 43760 Proj. Fund Deposit ID	-828,200	0	.00	.00	.00	.00	.0%
190711 43770 ICECF K-12 Pollinator	0	-11,000	.00	.00	.00	-11,000.00	.0%*
190711 43780 ICECF Pilot Pollinato	0	-10,000	.00	.00	.00	-10,000.00	.0%*
190711 61430 Transfer to Land Cash	0	52,700	.00	.00	.00	52,700.00	.0%
190711 62160 Equipment	46,447	33,762	2,420.00	.00	.00	31,342.00	7.2%
190711 66500 Miscellaneous Expense	0	33,762	20,801.39	.00	.00	12,960.61	61.6%
190711 67410 Land / Right of Way A	210,214	0	.00	.00	.00	.00	.0%
190711 68500 Project Fund Expenses	0	380,590	8,994.05	.00	.00	371,595.95	2.4%
190711 68510 ICECF K-12 Pollinator	0	12,000	9,055.99	.00	.00	2,944.01	75.5%
190711 68520 ICECF Pilot Pollinato	0	20,000	.00	.00	.00	20,000.00	.0%
190711 68530 Preserve Improvements	1,488,485	0	.00	.00	.00	.00	.0%
190711 68590 Building Improvements	60,000	0	.00	.00	.00	.00	.0%
190711 68610 Morton Arboretum Land	0	25,000	12,285.84	.00	.00	12,714.16	49.1%
TOTAL Forest Preserve Capital Exp	93,514	-239,450	-522,173.52	-8.81	.00	282,723.52	218.1%
19071171 Forest Preserve Capital Exp.							
19071171 62160 Equipment	9,000	0	.00	.00	.00	.00	.0%
19071171 68530 Preserve Improvemen	10,000	0	.00	.00	.00	.00	.0%
TOTAL Forest Preserve Capital Exp	19,000	0	.00	.00	.00	.00	.0%
19071182 Forest Preserve Capital Exp.							
19071182 68300 Natural Areas Manag	92,000	0	.00	.00	.00	.00	.0%

FOR 2021 09

ACCOUNTS FOR: 1907 Forest Preserve Capital Exp.	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
TOTAL Forest Preserve Capital Exp	92,000	0	.00	.00	.00	.00	.0%
TOTAL Forest Preserve Capital Exp	204,514	-239,450	-522,173.52	-8.81	.00	282,723.52	218.1%
TOTAL REVENUES	-1,711,632	-797,264	-575,730.79	-8.81	.00	-221,533.21	
TOTAL EXPENSES	1,916,146	557,814	53,557.27	.00	.00	504,256.73	

FOR 2021 09

ACCOUNTS FOR: 1908 Fox River Bluffs Access RTP Gr	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190811 Fox River Bluffs Access RTP Gr							
190811 40300 Transf. from FP Bnd P	-44,375	0	.00	.00	.00	.00	.0%
190811 42970 Grant Award	-177,100	0	.00	.00	.00	.00	.0%
TOTAL Fox River Bluffs Access RTP	-221,475	0	.00	.00	.00	.00	.0%
TOTAL Fox River Bluffs Access RTP	-221,475	0	.00	.00	.00	.00	.0%
TOTAL REVENUES	-221,475	0	.00	.00	.00	.00	

FOR 2021 09

ACCOUNTS FOR: 1909 FP Fox River Bluffs Crop Conv.	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
190911 FP Fox River Bluffs Crop Conv.							
190911 40300 Transf. from FP Bnd P	0	-54,313	-54,313.00	.00	.00	.00	100.0%
190911 42970 Grant Award	-30,000	-30,000	.00	.00	.00	-30,000.00	.0%*
190911 61300 Transf. to FP Bnd Prd	15,000	30,000	.00	.00	.00	30,000.00	.0%
190911 66500 Miscellaneous Expense	15,000	15,000	15,000.00	.00	.00	.00	100.0%
TOTAL FP Fox River Bluffs Crop Co	0	-39,313	-39,313.00	.00	.00	.00	100.0%
TOTAL FP Fox River Bluffs Crop Co	0	-39,313	-39,313.00	.00	.00	.00	100.0%
TOTAL REVENUES	-30,000	-84,313	-54,313.00	.00	.00	-30,000.00	
TOTAL EXPENSES	30,000	45,000	15,000.00	.00	.00	30,000.00	

FOR 2021 09

ACCOUNTS FOR: 1910 FP Land Cash	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
191011 FP Land Cash							
191011 40380 Trnsfr. fr Capital Fu	0	-52,700	.00	.00	.00	-52,700.00	.0%*
191011 42490 Other Revenue	-32,000	0	.00	.00	.00	.00	.0%
191011 42910 Land Cash	0	-157,514	-157,514.00	.00	.00	.00	100.0%
191011 42970 Grant Award	0	-136,640	.00	.00	.00	-136,640.00	.0%*
191011 61300 Transf. to FP Bnd Prd	189,514	0	.00	.00	.00	.00	.0%
191011 67410 Land Acquisition	0	210,214	2,000.00	.00	.00	208,214.00	1.0%
TOTAL FP Land Cash	157,514	-136,640	-155,514.00	.00	.00	18,874.00	113.8%
TOTAL FP Land Cash	157,514	-136,640	-155,514.00	.00	.00	18,874.00	113.8%
TOTAL REVENUES	-32,000	-346,854	-157,514.00	.00	.00	-189,340.00	
TOTAL EXPENSES	189,514	210,214	2,000.00	.00	.00	208,214.00	

FOR 2021 09

ACCOUNTS FOR: 1911 FP Liability Insurance Fund	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
191111 FP Liability Insurance Fund							
191111 68990 Claims	25,000	25,000	2,138.90	2,138.90	.00	22,861.10	8.6%
TOTAL FP Liability Insurance Fund	25,000	25,000	2,138.90	2,138.90	.00	22,861.10	8.6%
TOTAL FP Liability Insurance Fund	25,000	25,000	2,138.90	2,138.90	.00	22,861.10	8.6%
TOTAL EXPENSES	25,000	25,000	2,138.90	2,138.90	.00	22,861.10	

FOR 2021 09

ACCOUNTS FOR: 1912 FP Series 2021 Bond Proceeds	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
191211 FP Series 2021 Bond Proceeds							
191211 43790 Bond Proceeds	0	0	-1,242,979.09	.00	.00	1,242,979.09	100.0%
TOTAL FP Series 2021 Bond Proceed	0	0	-1,242,979.09	.00	.00	1,242,979.09	100.0%
TOTAL FP Series 2021 Bond Proceed	0	0	-1,242,979.09	.00	.00	1,242,979.09	100.0%
TOTAL REVENUES	0	0	-1,242,979.09	.00	.00	1,242,979.09	

FOR 2021 09

	ORIGINAL APPROP	REVISED BUDGET	YTD ACTUAL	MTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
GRAND TOTAL	595,217	-154,159	343,788.78	-206,670.61	.00	-497,947.78	-223.0%

** END OF REPORT - Generated by Latreese Caldwell **

To: Kendall County Forest Preserve District Finance Committee
From: David Guritz, Director
Emily Shanahan, Assistant Director
RE: Env. Ed. Department - Proposed Restructure Plan - Cost Analysis
Date: 30-Sep-21

FY22 - Current Preliminary Budget

Last Name	First Name	Title	Total Hours - Past 12-Months	Hours Budgeted - FY22	Salary (Current)	Salary Increase (Proposed)	Salary Increase (%)	Total Salary	IMRF 6.97%	FICA 7.65%	Medical Insurance	Dental Insurance	Life Insurance	
Shanahan	Emily	Asst. Director & Ed. Program Manager	1950	1950	$40,474.09	$2,428.45	6.00%	$42,902.54	$2,990.31	$3,282.04			$21.00	
Granholm	Julia	Administrative Assistant	214.25	1456	$17.50	$1.00	5.71%	$26,825.00	$1,869.70	$2,052.11				
Adams	Kimberley	Env. Education Instructor	1016.98	1200	$13.90	$0.50	3.60%	$17,280.00	$1,204.42	$1,321.92				
Chavira-Meza	Esther	Env. Education Instructor	344.5	200	$13.25	$0.50	3.77%	$2,750.00		$210.38				
Wiencke	Stefanie	Natural Beginnings and Special Projects Manager	1857.2	1950	$37,812.50	$2,256.75	6.00%	$39,869.25	$2,778.89	$3,050.00	$11,824.88	$457.00	$21.00	
Berndl	Kathleen	NB Lead Teacher	823	1018	$13.50	$0.50	3.70%	$14,252.00	$993.36	$1,090.28				
Brown	Donna	NB Instructional Aide	1.5	650	$13.50	$0.50	3.70%	$9,100.00		$696.15				
Collins	Jennie	NB Lead Teacher	668.5	1018	$13.50	$0.50	3.70%	$14,252.00	$993.36	$1,090.28				
Vosburgh	Jessica	NB Lead Teacher	1343.02	1480	$14.00	$0.50	3.57%	$21,460.00	$1,495.76	$1,641.69				
				10922			Totals	$188,690.79	$12,325.80	$14,434.85	$11,824.88	$457.00	$42.00	$227,775.32

FY22 - Proposed Restructure

Last Name	First Name	Title	Total Hours - Past 12-Months	Hours Budgeted - FY22	Salary (Current)	Salary Increase (Proposed)	Salary Increase (%)	Total Salary	IMRF 6.97%	FICA 7.65%	Medical Insurance	Dental Insurance	Life Insurance	
Granholm	Julia	Reservations and Admin. Coordinator	214.25	1475	$17.50	$1.00	5.71%	$27,287.50	$1,901.94	$2,087.49				
Adams	Kimberley	Env. Ed. Coordinator	1016.98	1475	$13.90	$4.10	29.50%	$26,550.00	$1,850.54	$2,031.08				
Chavira-Meza	Esther	Env. Ed. Instructor	344.5	350	$13.25	$0.50	3.77%	$4,812.50		$368.16				
VACANT - FEB '22		Env. Ed. Instructor		600	$13.00			$7,800.00		$596.70				
Wiencke	Stefanie	Env. Ed. Program & Special Projects Manager	1857.2	1950	$37,812.50	$2,256.75	6.00%	$39,869.25	$2,778.89	$3,050.00	$11,824.88	$457.00	$21.00	
Berndl	Kathleen	NB Lead Teacher	823	1018	$13.50	$0.50	3.70%	$14,252.00	$993.36	$1,090.28				
Brown	Donna	NB Instructional Aide	1.5	650	$13.50	$0.50	3.70%	$9,100.00		$696.15				
Christoferson	Paul	NB Instructional Aide	0	444	$13.50			$5,994.00		$458.54				
Collins	Jennie	NB Lead Teacher	668.5	1018	$13.50	$0.50	3.70%	$14,252.00	$993.36	$1,090.28				
Vosburgh	Jessica	Early Childhood Education Specialist	1343.02	1950	$14.00	$0.50	3.57%	$26,275.00	$1,970.77	$2,163.04	$22,502.33	$903.80	$21.00	
				10930			Totals	$178,192.25	$10,488.86	$13,631.71	$34,327.21	$1,360.80	$42.00	$238,042.62

FY 22 Net Rev. Increase Target	-$10,267.51

Kendall County Forest Preserve District Operating Fund

KCFPD FY22 Preliminary Budget - 09-30-21 KCFPD Operating Fund #1900 - Environmental Education		6/1/2021 2021 AMD	Updated w/ Contingency Transfers	9/1/2021 YTD	11/30/2021 PROJECTED	FY22 2022 DRAFT
ACCOUNT & DESCRIPTION						
	REVENUE					
19001176 42250	Env. Educ. - School Programs	5,357		260	3,000	20,000
19001177 42250	Env. Educ. - Camps	27,755		34,860	34,860	32,000
19001178 42250	Env. Educ. - Natural Beginnings	110,000		93,426	108,160	122,880
19001179 42250	Env. Educ. - Other Public Programs	17,435		20,847	25,000	20,000
	Env. Educ. - Other Revenue					
19001175 42860	Donations - Environmental Education	500		-	-	500
19001178 42860	Donations - Env. Educ. Natural Beginnings (FF Sch. Program)	800		-	-	2,400
	Donations - Env. Educ. Other Programs					
	Total Revenue	**161,847**		**149,393**	**171,020**	**197,780**
	PERSONNEL					
190011 51160	Salary - Part Time Administration					3,150
190011 51390	Salary - Full Time Administration	23,217		17,500	21,000	9,644
	Salary Full Time: Env. Education					
19001176 51390	Env. Educ. FT Salary - School Programs Expense	18,123		12,979	16,066	
19001177 51390	Env. Educ. FT Salary - Camps Expense	11,398		8,022	10,127	6,000
19001178 51390	Env. Educ. FT Salary - Natural Beginnings Expense	29,981		20,789	31,438	50,000
19001179 51390	Env. Educ. FT Salary - Other Public Programs Expense	3,030		2,051	2,683	2,500
19001180 51390	Env. Educ. FT Salary - Laws of Nature	1,187		990	1,382	
	Salary Part Time: Env. Education					
19001176 51160	Env. Educ. PT Salary - School Programs Expense	10,000		369	5,000	11,213
19001177 51160	Env. Educ. PT Salary - Camps Expense	8,100	10,900	10,891	12,217	20,175
19001178 51160	Env. Educ. PT Salary - Natural Beginnings Expense	59,666		40,159	61,031	43,495
19001179 51160	Env. Educ. PT Salary - Other Public Programs Expense	7,900		4,781	8,383	9,756
19001180 51160	Env. Educ. PT Salary - Laws of Nature	2,200		185	2,200	3,481
19001181 51160	Env. Educ. PT Salary - Other Expense	146	292	146	146	
	Total Personnel	**174,948**		**118,861**	**171,673**	**159,414**

Kendall County Forest Preserve District Operating Fund

KCFPD FY22 Preliminary Budget - 09-30-21 KCFPD Operating Fund #1900 - Environmental Education		6/1/2021 2021 AMD	Updated w/ Contingency Transfers	9/1/2021 YTD	11/30/2021 PROJECTED	FY22 2022 DRAFT
	EMPLOYEE BENEFITS					
190011 61160	IMRF Expense - Administration	3,854			3,854	1,870
190011 61170	SS Expense - Administration					
19001175 63050	IMRF/SS Fund Expense - Env. Education					
19001176 63050	IMRF/SS Fund Expense - Env. Education School Programs	3,896		2,263	3,896	1,360
19001177 63050	IMRF/SS Fund Expense - Env. Education Camps	2,538		2,343	2,538	2,948
19001178 63050	IMRF/SS Fund Expense - Env. Education Natural Beginnings	11,575		8,542	11,575	12,721
19001179 63050	IMRF/SS Fund Expense - Env. Education Other Public Programs	690	1,030	770	1,026	1,488
19001180 63050	IMRF/SS Fund Expense - Env. Education Laws of Nature	358		177	358	392
10001181 63050	IMRF/SS Fund Expense - Env. Educ. PT Salary - Other Expense	11	22	11	11	
190011 61230	**Medical Insurance - Administration**	10,461		8,717.60	10,461	34,023
	Total Employee Benefits	**33,383**	**1,052**	**22,824**	**33,719**	**54,803**
	CONTRACTUAL					
	Total Contractual	-	-	-	-	-
	COMMODITIES					
	Environmental Education					
19001176 63030	Env. Educ. - School Programs Expense					700
19001177 63030	Env. Educ. - Camps Expense	800		449	800	1,500
19001178 63030	Env. Educ. - Natural Beginnings Expense	2,000		941	2,000	2,000
19001179 63030	Env. Educ. - Other Public Programs Expense	250		81	250	750
19001180 63030	Env. Educ. - Laws of Nature Expense	100		27	100	500
	Total Commodities	**3,150**		**1,498**	**3,150**	**5,450**

Kendall County Forest Preserve District Operating Fund

KCFPD FY22 Preliminary Budget - 09-30-21 KCFPD Operating Fund #1900 - Environmental Education		6/1/2021 2021 AMD	Updated w/ Contingency Transfers	9/1/2021 YTD	11/30/2021 PROJECTED	FY22 2022 DRAFT
	OTHER					
19001176 63040	Security Deposit Refunds - Env. Education School Programs					
19001177 63040	Security Deposit Refunds - Env. Education Camps	2,200		955	955	2,200
19001178 63040	Security Deposit Refunds - Env. Education Natural Beginnings	3,500		810	1,500	3,500
19001179 63040	Security Deposit Refunds - Env. Education Public Programs	1,000	2,850	810	1,000	1,000
	Total Other	**6,700**		**2,575**	**3,455**	**6,700**
	Total Expenditures	**184,809**		**122,946**	**178,289**	**171,564**
	Operating Surplus / (Deficit)	**(22,962)**		**26,448**	**(7,269)**	**26,216**
	Total Revenue	**161,847**		**149,393**	**171,020**	**197,780**
	Total Personnel	174,948		118,861	171,673	159,414
	Total Employee Benefits	33,383	1,052	22,824	33,719	54,803
	Total Contractual	-		-	-	-
	Total Commodities	3,150		1,498	3,150	5,450
	Total Other	6,700		2,575	3,455	6,700
	Total Expenditure	**218,182**		**145,758**	**211,997**	**226,366**
	Surplus / (Deficit)	**(56,335)**		**3,635**	**(40,977)**	**(28,586)**

Env. Ed. FY22 Cost Center Budgets	School	Camps	Nat. Beg.	Public Prog.	Laws of Nature	
	1176	1177	1178	1179	1180	ADMIN
Rev	$ 20,000.00	$ 32,000.00	$ 122,880.00	$ 20,000.00		
Donations			$ 2,400.00			$ 500.00
Staff Exp - FT		$ 6,000.00	$ 50,000.00	$ 2,500.00		$ 9,644.00
Staff Exp - PT	$ 11,213.00	$ 20,175.00	$ 43,495.00	$ 9,756.00	$ 3,481.00	$ 3,150.00
IMRF/SS	$ 1,360.00	$ 2,948.00	$ 12,721.00	$ 1,488.00	$ 391.76	$ 1,870.48
Medical/Dental/Life Benefits						$ 34,023.13
Supplies	$ 700.00	$ 1,500.00	$ 2,000.00	$ 750.00	$ 500.00	
Refunds		$ 2,200.00	$ 3,500.00	$ 1,000.00		
Balance	$ 6,727.00	$ (823.00)	$ 13,564.00	$ 4,506.00	$ (4,372.76)	$ (48,187.61)

Total Net Gain **$ 19,601.24**

KCFPD - Active Employees List
FY22 Preliminary Salary and Benefits Cost Spreadsheet
30-Sep-21

FT Employee | IMRF Employee

Hours Worked - Past 26 PP

15% Medical / 0% Dental Projected Increases Over FY21 Rates

Emp #	Last Name	First Name	Dept	FY20 (7 PP)	FY21 (19PP)	Total Hours - Past 12-Months	Hours Budgeted FY21	Hours Budgeted - FY22	Salary (Current)	Salary Increase (Proposed)	Salary Increase (%)	Total Salary	IMRF 6.97%	FICA 7.65%	Medical Insurance	Dental Insurance	Life Insurance
270208	Guritz	David	ADMIN	525	1425	1950	1950	1950	$91,563.17	$2,289.08	2.50%	$93,852.25	$6,541.50	$7,179.70	$21,428.66	$860.76	$21.00
270208	Guritz	David	ADMIN - ST	525	1425	1950	1950	1950	$10,667.50	$266.69	2.50%	$10,934.19	$762.11	$836.47			
	Caldwell	Latreese	ADMIN - ST						$5,820.00	$0.00	0.00%	$5,820.00					
11444	Granholm	Julia	ADMIN	0	214.25 (5 PP ONLY)	214.25	325	1475	$17.50	$2.00	11.43%	$28,275.00	$1,970.77	$2,163.04			
270274	Adams	Kimberley	E - ADMIN	320.48	696.5	1016.98	1000	1475	$13.90	$4.10	29.50%	$26,550.00	$1,850.54	$2,031.08			
—	VACANT	Feb-22						450	$13.00			$5,850.00		$447.53			
270259	Chavira-Meza	Esther	E	65.75 (4 PP Only)	278.75	344.5	200	500	$13.25	$0.50	3.77%	$6,875.00		$525.94			
270251	Benson	Madeline	SC	0	185.75	185.75	185.75	185.75	$11.50	$0.50	4.35%						
270288	Granholm	Henry	SC	0	216.75	216.75	216.75	216.75	$11.00	$1.00	9.09%	$8,500.00		$650.25			
	VACANT							34	$12.00	$0.00	0.00%						
270264	Vick	Marshall	EL	515.39	1425	1940.39	1950	1950	$40,365.00	$1,009.13	2.50%	$41,374.13	$2,883.78	$3,165.12			$21.00
—	**VACANT - ARPA POSITION**		EL-S				400	480	$12.00	$0.00	0.00%	$5,760.00		$440.64			
270232	Danilow	Olivia	EL	250.5	503.25	753.75	100	775	$11.00	$1.00	9.09%	$9,300.00		$711.45			
270284	Doles	Erin	EL	0	351.25	351.25	0	375	$11.00	$1.00	9.09%	$4,500.00		$344.25			
270290	Dynowski	Angela	EL					50	$11.00	$1.00	9.09%	$550.00		$42.08			
270225	Fenske	Jorie	EL	43	488	531	100	550	$11.25	$1.00	8.89%	$6,737.50		$515.42			
270268	Mondrella	Albert	EL	9.5	28	37.5		10	$11.00	$1.00	9.09%	$120.00		$9.18			
270230	Mondrella	Alisandra	EL	0	12	12	100	10	$11.00	$1.00	9.09%	$120.00		$9.18			
270228	Mondrella	Kristie	EL	295	780.25	1075.25	1450	1450	$14.75	$1.00	6.78%	$22,837.50	$1,591.77	$1,747.07			
270283	Owen	Annabelle	EL	86.75 (3 PP Only)	426	512.75	200	500	$11.00	$1.00	9.09%	$6,000.00		$459.00			
270279	Prette	Shannon	EL	40.25	69.63	109.88	200	110	$11.00	$1.00	9.09%	$1,320.00		$100.98			
270286	Regan	Caher	EL	0	198.5	198.5	0	200	$11.00	$1.00	9.09%	$2,400.00		$183.60			
270257	Salato	Michelle	EL	51.5	71	122.5	200	125	$11.80	$1.00	8.47%	$1,600.00		$122.40			
270270	Sommers	Irene	EL	246.75	763.75	1010.5	100	1000	$11.00	$1.00	9.09%	$12,000.00		$918.00			
270237	Weis	Kristine	EL	0	83.25	83.25	75	80	$11.55	$1.00	8.66%	$1,004.00		$76.81			
270239	White	Desiree	EL-F	70	100	170	146	246	$11.50	$1.00	8.70%	$3,075.00		$235.24			
270261	White	Antoinette	GM	525	1425	1950	1950	1950	$37,780.00	$5,000.00	13.23%	$42,780.00	$2,981.77	$3,272.67	$11,256.47	$435.24	$21.00
270219	Luettich	Austin	GM	519.25	1425	1944.25	1950	1950	$32,600.00	$1,956.00	6.00%	$34,556.00	$2,408.55	$2,643.53	$11,256.47	$435.24	$21.00
270233	Anderson	Jared	GM	469	1425	1894	1950	1950	$32,600.00	$1,304.00	4.00%	$33,904.00	$2,363.11	$2,593.66	$11,256.47	$435.24	$21.00
270222	Johnson	Craig	GM	147.25	203.5	350.75	580	580	$14.00	$1.00	7.14%	$8,700.00		$665.55			
—	**VACANT - ARPA POSITION**		GM-S					480	$12.00			$5,760.00		$440.64			
—	VACANT		GM				672	672	$12.00	$0.00	0.00%	$8,064.00		$616.90			
270218	Teckenbrock	Jay	GM-H	525	1425	1950	1950	1950	$55,676.00	$1,391.90	2.50%	$57,067.90	$3,977.63	$4,365.69	$11,256.47	$435.24	$21.00
270271	Neill	Doug	GM-H	525	1425	1950	1950	1950	$32,222.00	$1,288.88	4.00%	$33,510.88	$2,335.71	$2,563.68	$11,256.47	$860.76	$21.00
—	**VACANT - ARPA POSITION**		GM-H					1950	$32,000.00	$600.00	1.88%	$32,600.00	$2,272.22	$2,493.90	$21,428.66	$860.76	$21.00
—	**VACANT - ARPA POSITION**		GM-H-S					480	$12.00			$5,760.00		$440.64			
270238	Koehler	Frank	GM-H	362.33	806.51	1168.84	1225	1225	$11.25	$1.00	8.89%	$15,006.25	$1,045.94	$1,147.98			
270278	Mayer	James	GM-H	74.5	211.25	285.75	300	300	$11.55	$1.00	8.66%	$3,765.00		$288.02			
270285	O'Brien	Dakota	GM-H	0	556.5	556.5	0	1456	$11.00	$1.00	9.09%	$17,472.00	$1,217.80	$1,336.61			
270241	Wiencke	Stefanie	ADMAN/NB	432.2	1425	1857.2	1950	1950	$37,612.50	$2,256.75	6.00%	$39,869.25	$2,778.89	$3,050.00	$11,256.47	$435.24	$21.00
270267	Vosburgh	Jessica	NB	431	912.02	1343.02	1020	1950	$14.00	$0.50	3.57%	$28,275.00	$1,970.77	$2,163.04	$21,428.66	$860.76	$21.00
270253	Berndl	Kathleen	NB	229.5	393.5	623	555	1018	$13.50	$0.50	3.70%	$14,252.00	$993.36	$1,090.28			
270289	Christoferson	Paul	NB	0	0	0	0	444	$13.50	$0.50	3.70%	$6,216.00		$475.52			
270280	Collins	Jennie	NB	236.5	432	668.5	555	1018	$13.50	$0.50	3.70%	$14,252.00	$993.36	$1,090.28			
	VACANT		NB					650	$13.50			$8,775.00		$671.29			
												$666,059.84	**$38,667.35**	**$50,508.35**	**$110,396.14**	**$4,758.48**	**$189.00**

Total Salaries FY21 (6/1/21 AMD)	$663,175.00	$49,692.00	$50,408.00	$81,231.00		
Budget Guideline - 2.5% Over FY21	$16,579.38					
Max Per Budget Guidelines	$679,754.38	$49,692.00	$50,408.00			

To: Kendall County Forest Preserve District Finance Committee

From: David Guritz, Executive Director
Stefanie Wiencke, Natural Beginnings and Special Projects Manager

RE: Fox River Bluffs Carbon Credits Project

Date: September 30, 2021

Attachments:

1. Summary of Revenue and Expenses – P1
2. City Forest Credits (CFC) Carbon Planting Project Application – P2
3. Initial Credit Project Design Document (under development) – P7
4. City Forest Carbon Project National Sale – Request for Proposals – P35
5. McPherson Law Letter of Engagement – P75
6. Draft Purchase Agreement – P80

Summary:

1. The application to City Forest Credits (CFC) has been completed.
2. Final credits have been calculated for the project, as well as costs for the application fee, credit sales fee, third party verification fee and CFC registry account fee (spreadsheet attached).
3. The District is working with City Forest Credits to complete the Initial Credit Project Design document to capture the District's raw data and approach for determining final credit calculations based on the Hoover Forest Preserve 25-year grove study.
4. CFC is currently marketing a national RFP for voluntary sale of carbon credits.
5. Currently, there is one potential buyer, and a purchase contract has been drafted by McPherson Law and sent to all partners for review. The contract provides for signing as soon as the parties agree on terms, followed by a period where final credits are verified, with final closing and payment occurring close to year-end once final credits are known. The purchase agreement is a combined agreement signed by all project partners.
6. Revenue and expenses have not been factored into the FY22 budget pending updates on the potential sale. Net gain over costs for credits issued after Year 1 planting will be $10,707.36. Projected net revenues for the sale of all credits is $155,957.60.

Recommendations:

1. Consider a motion to forward the McPherson Law Letter of Engagement for legal services to the Committee of the Whole for review, with consideration of concurrent submission of the Engagement Letter and draft purchase agreement to the Kendall County State's Attorney's Office for review.
    a. McPherson Law will submit the final purchase agreement once credits have been sold for Commission approval.
    b. Attorney costs are paid by the buyer, and does not impact net proceeds to the District.

Kendall County Forest Preserve District - Fox River Bluffs Planting Project

Summary of Revenue and Expenses

	Launch	*After Planting*	*After Year 3*	*After Year 5*	*At Year 25*	**Total**
Revenue						
After Planting (10% of Credits)		15,230.40				$ 15,230.40
After Year 3 (40% of Credits)			60,921.60			$ 60,921.60
After Year 5 (30% of Credits)				60,921.60		$ 60,921.60
Remaining Credits at Year 25					50,768.00	$ 50,768.00
Project Gross Revenue	**$ -**	**$ 15,230.40**	**$ 60,921.60**	**$ 60,921.60**	**$ 50,768.00**	**$ 187,841.60**
Expenses						
CFC Application Fee	1,500.00					$ 1,500.00
CFC Credit Sales Fee		1,523.04	10,153.60	10,661.28	3,046.08	$ 25,384.00
Third-Party Verification Fee		500.00	500.00	1,000.00	2,000.00	$ 4,000.00
CFC Registry Account Fee		1,000.00				$ 1,000.00
Project Operator Staff Time						$ -
Project Operator Other Expense						$ -
Total Expenses	**$ 1,500.00**	**$ 3,023.04**	**$ 10,653.60**	**$ 11,661.28**	**$ 5,046.08**	**$ 31,884.00**
Net Income (or loss)	**$ (1,500.00)**	**$ 12,207.36**	**$ 50,268.00**	**$ 49,260.32**	**$ 45,721.92**	**$ 155,957.60**

Total Credits Attributed to the Project, tCO2e:	5344.00
Mortality Deduction (N/A):	
Registry Reversal Pool (5%), tCO2e:	267.20
Total Credits Issued to the Project, tCO2e:	5076.80

Credit Schedule	
After Planting (10% of Credits)	507.68
After Year 3 (40% of Credits)	2030.72
After Year 5 (30% of Credits)	1523.04
Remaining Credits at Year 25	1015.36
Credit Sub-total	5076.80

Price Per Credit After Planting:	$	30.00
Price Per Credit After Year 3:	$	30.00
Price Per Credit After Year 5:	$	40.00
Price Per Credit At Year 25:	$	50.00

Note on Carbon Quantification

133.60 tCO2e/ac (46.5 live tree above & below ground + 16.9 tCO2e non-soil)

5,344.00 Total Estimated Credits (133.6 tCO2e/ac X 40 acres)

CITY FOREST CREDITS

City Forest Credits
Carbon Planting Project Application

1. Project Name
Fox River Bluffs Planting Project

2. Project Type
Planting

3. Project Location
Projects must be in or adjacent to one of the following. Describe which one of the criteria the project meets and provide name of city, town, or jurisdiction where project is located.

- *"Urban Area" per Census Bureau maps; see* https://www.census.gov/geographies/reference-maps/2010/geo/2010-census-urban-areas.html
- *An incorporated or unincorporated city or town*
- *A planning area for a metropolitan planning agency or entity, such as the Chicago Metropolitan Agency for Planning*
- *Land owned, designated, and used by a municipal or quasi-municipal entity such as a utility for source water or watershed protection*
- *A transportation or utility right of way through one of above*

The project is taking place in Yorkville, IL in unincorporated Kendall County.

4. Project Operator
Provide name of organization/entity, and contact information

Organization:	Kendall County Forest Preserve District
Address:	110 W. Madison Street
City:	Yorkville
State:	Illinois
Zip:	60560
Contact(s):	David Guritz, Executive Director and Stefanie Wiencke, Special Projects Coordinator
Phone:	630-553-4131
Email:	dguritz@co.kendall.il.us; swiencke@co.kendall.il.us

5. Project Description
Provide short narrative including location, number or acres of trees, and overall goals

Kendall County Forest Preserve District (District) planted trees as part of this carbon project on 40-acres of the Fox River Bluffs Forest Preserve (Preserve) in Yorkville, IL. The District acquired the 166-acre Preserve

in 2015 with an overall goal to restore 99 acres of the former farmland to prairie and a reforested natural area.

After 5 years of analysis and preparation, the District and community volunteers planted native trees and shrubs in Spring 2020. For this carbon project, 25,394 trees were planted including six Oak species, Shagbark hickory, and Black walnut.

The restoration plan for the remainder of the Preserve is divided into several phases and activities. In addition to this carbon planting project, the District seeded 60+ acres of the Preserve with a diverse prairie mix to support pollinators. This pollinator seed mix will support recovery of a local population of the federally endangered Rusty-Patched Bumble Bee (*Bombus affinis*) to establish high-quality forage and habitat for this and other local wildlife species. The district also planted an additional 3,300 understory trees and shrubs on the land adjacent to the carbon project area.

The remaining 66-acres of the Preserve, which includes a Fox River island, contains high-quality natural resources including oak-dominated bluffs and ravines, seeps, and Fox River shoreline. The District cleared invasive species along the woodland edges, and broadcast additional woodland edge seed mix to further improve habitat quality and plant community diversity. A floristic quality study with long-term management recommendations was also completed in 2020.

6. Project Impacts

Provide short narrative of the impacts this project will achieve. Examples include how the project addresses increased access to green spaces for under-resourced communities, flood control, watershed protection, human health benefits, recreation or bird and wildlife habitat.

- Pilot project establishes a model for carbon crediting for Northeastern Illinois.
- Converts 60 acres of agricultural lands to tree and shrub cover.
- Adjacent non-carbon project restoration includes natural area restoration and establishment of native Illinois prairie. Removes invasive shrub and tree species, and enhances woodland edge plant community diversity.
- Establishes habitat (forage and cover) for the federally endangered Rusty Patched Bumble Bee (*Bombus affinis*)
- Provides forage and cover for a host of local pollinating and other wildlife species.
- Reduces fossil fuel consumption from annual agricultural activities.
- Expands the Fox River oak-ecosystem corridor and natural areas.
- Expands habitat and wildlife corridor connections between Hoover Forest Preserve to the State of Illinois – Illinois Department of Natural Resources' Silver Springs State Park.
- Provides atmospheric carbon sequestration to address global climate action strategies.
- Provides public access to local recreation and expanded nature-based education opportunities and experiences.

7. Number of trees to be planted and general planting-design

Provide number of trees and general planting design. Tree planting design options include:

- *single-tree dispersed (spaced 10" or more apart, i.e. street trees or linear plantings)*
- *single-tree canopy (spaced 10" apart but continuously so to generate canopy over time, i.e. natural areas)*

- *forest canopy (closely planted with spacing less than 10" apart so to generate canopy and forest ecosystem, high tree mortality expected, i.e. riparian areas)*

Prior to tree planting in spring 2020, the District analyzed soil types at the Preserve to determine conversion footprints for restoration to forest and prairie cover. The District continued farming 99-acres of the 166 total preserve acres through the 2019 growing season. Soybeans were planted for three consecutive years to reduce competition from annual and perennial weedy species.

Tree and shrub stock, and native seed mixes were selected for installation based on soil types and floristic quality studies. Seedlings were ordered from the Illinois Department of Natural Resources – Mason State Tree Nursery.

In March-April 2020, the District installed a total of 25,394 native trees and shrubs with cover crop (Spring oats and Virginia wild rye) over approximately 40-acres. Trees were planted in rows 8' to 10' on center using equipment and guidance received from the Illinois Department of Natural Resources (see attached Exhibit A). The planting list includes:

Tree Species	Amount
Bur Oak	6,500
White Oak	2,000
Red Oak	6,500
Black Walnut	1,200
Shagbark Hickory	2,694
Pin Oak	1,500
Swamp White Oak	2,000
Black Oak	3,000

8. Additional Information

Provide additional information about your project. Examples include collaboration with other partners or how this project fits into a larger effort.

The Kendall County Forest Preserve District is part of the Kane-Kendall Oak Ecosystem Partnership, an initiative of The Morton Arboretum's Chicago Region Trees Initiative. This pilot planting project is serving as a model for the Chicago Region Trees Initiative (CRTI) for the purpose of establishing a regional certification process and clearinghouse for voluntary carbon credit projects for the greater Chicagoland region. CRTI is a partnership for coordinated action on key issues facing trees. It is the largest such initiative in the country, with leading organizations and agencies from across the seven-county metropolitan region working together. CRTI is leveraging funding, knowledge, skills, and expertise to build a healthier, more diverse regional forest.

As part of this carbon project, the District completed a growth study of a documented 25-year old planted stand of oak (Red and White), Black walnut, Shagbark hickory, and White pine trees at the District's Hoover Forest Preserve in order to better model projected tree growth for the trees planted in similar location and fashion at Fox River Bluffs Forest Preserve. The growth data modeling from Hoover Forest Preserve has been used to support anticipated carbon storage quantities for Fox River Bluffs Forest Preserve.

Signed on [insert month and date] in 2021, by [insert name and title of person authorized to sign], for [insert Project Operator name].

_____

Signature

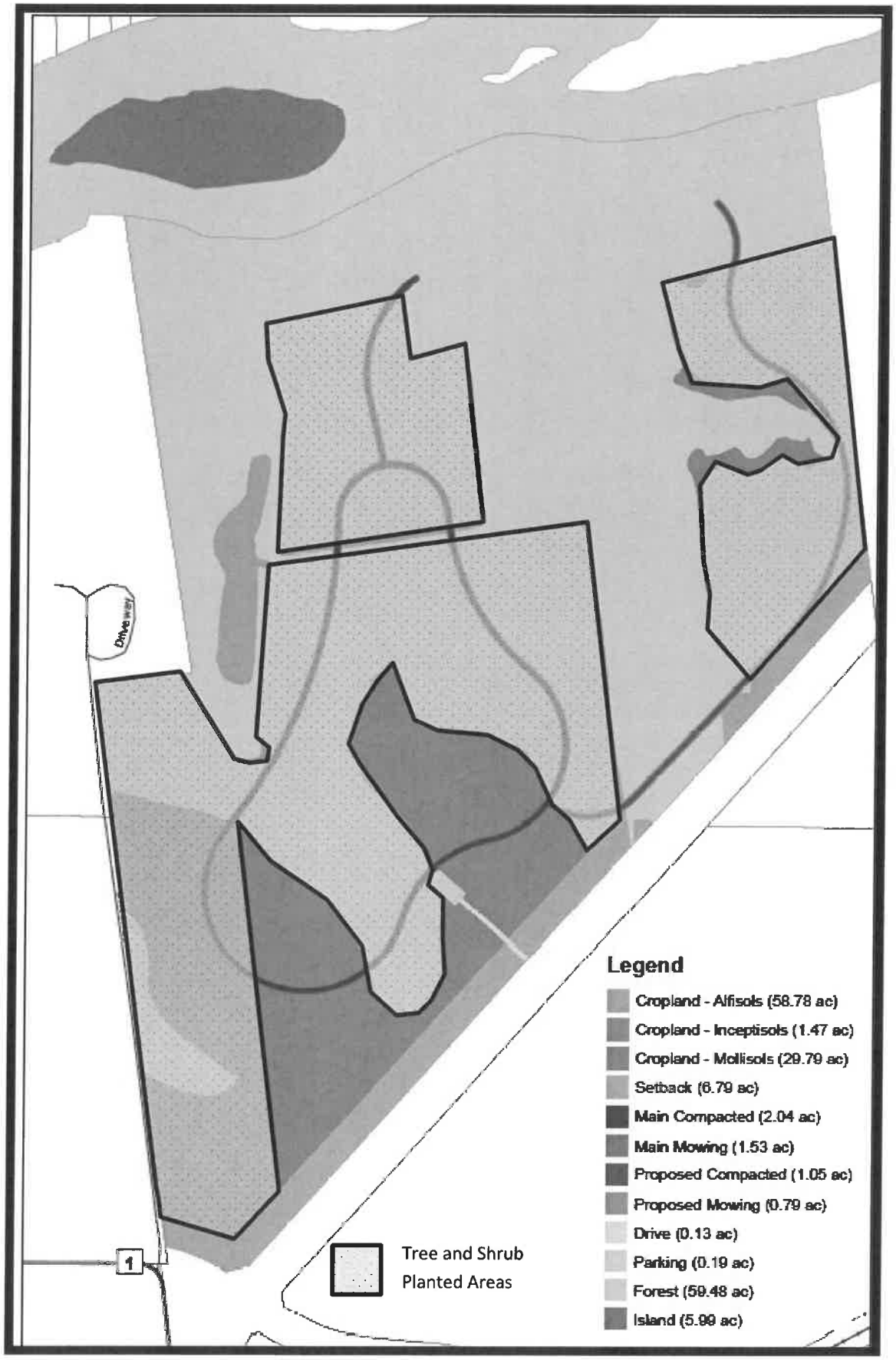
_____

Phone

_____

Email

City Forest Credits—Fox River Bluffs Project—Exhibit A



CITY FOREST
CREDITS

INCLUDE PROJECT NAME HERE
Initial Credit Project Design Document

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INSTRUCTIONS

Project Operators complete and submit this Initial Credit Project Design Document (PDD) after planting has been completed. City Forest Credits then reviews this PDD for validation with all other required project documents. An approved third-party verifier then conducts verification. A separate amendment to the Project Design Document will need to be submitted for future verification at years 4, 6, and after year 25.

Please complete sections starting on page 5 where you find "[Enter text here]" as thoroughly as possible.

PROTOCOL REQUIREMENTS

Below are a list of the eligibility requirements in the City Forest Credits (CFC) Tree Planting Protocol Version 9, dated February 7, 2021. Begin your responses on page 4 under PROJECT OVERVIEW.

Project Operator (Section 1.1)
Identify a Project Operator for the project. This is the person or entity who takes responsibility for the project for the 25-year duration.

Commit to 25-year Project Duration in the Project Implementation Agreement (Section 1.2 and Section 5)
Sign the Project Implementation Agreement – this is the 25-year agreement between the Project Operator and CFC for an urban forest carbon project.

Location Eligibility (Section 1.3)
Project Areas must be located in parcels within or along the boundary of at least one of the following criteria.

A. The Urban Area boundary ("Urban Area"), defined by the most recent publication of the United States Census Bureau
B. The boundary of any incorporated city or town created under the law of its state;
C. The boundary of any unincorporated city, town, or unincorporated urban area created or designated under the law of its state;
D. The boundary of any regional metropolitan planning agency or council established by legislative action or public charter. Examples include the Metropolitan Area Planning Council in Boston and the Chicago Metropolitan Planning Agency;
E. The boundary of land owned, designated, and used by a municipal or quasi-municipal entity such as a utility for source water or watershed protection;
F. A transportation, power transmission, or utility right of way, provided the right of way begins, ends, or passes through some portion of A through E above.

Ownership Eligibility (Section 2)
Project Operator must demonstrate ownership of property and eligibility to receive potential credits by meeting at least one of the following:

A. Own the land, the trees, and potential credits upon which the Project trees are located; or
B. Own an easement or equivalent property interest for a public right of way within which Project trees are located, own the Project trees and credits within that easement, and accept ownership of those Project trees by assuming responsibility for maintenance and liability for them; or

C. Have a written and signed agreement from the landowner granting ownership to the Project Operator of any credits for carbon storage or other benefits delivered by Project trees on that landowner's land. If Project trees are on private property, this agreement must be recorded in the property records of the county in which the land containing Project trees is located.

Legally Required Trees NOT Eligible (Section 4.1)
Project trees cannot be required by law or ordinance to be planted.

Multiple planting sites may be aggregated into one project (Section 8)
Planting sites can be on public and private land, in different cities, and aggregated into one project, provided that planting on all properties occurs within a 36-month period and that all properties comply with protocol requirements.

Carbon Quantification (Section 12 and Appendix B)
CFC has developed spreadsheets and methods for quantifying carbon stored and credited. The project design including tree spacing and goals will determine the quantification and monitoring requirements. Project Operators will quantify CO_2 using the method appropriate for the project type. CFC supplies all quantification tools. The three main project designs are:

- Single Tree - trees are scattered and spaced apart more than 10 feet, as in streets, yards, some parks, and schools, individual trees are tracked and randomly sampled
- Clustered Parks - trees are relatively contiguous in park-like settings and change in canopy is tracked
- Canopy – trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy

Verification by third-party verifiers (Section 13)
All projects must be verified before receiving credits.

Imaging Requirements (based on planting method)
In order to receive credits, additional information is required at Years 4, 6, and 26. Below are the imaging requirements by planting method:

1) Single Tree (spaced 10" or more apart, i.e. street trees or linear plantings)
    a. Initial Credit: The carbon quantification tool for your project contains a worksheet called "Data Collection" for use in tracking each tree. In that file, document the GPS coordinates for each tree planted.
    b. Years 4, 6, and 26: Geocoded photos or imaging of a minimum sample of 20% of the trees is required at Years 4, 6, and 26. The tracking file includes a column where each tree is assigned a unique serial number to help with tracking each coordinate and tree picture or image.
2) Clustered Parks (spaced 10" apart but continuously so to generate canopy over time, i.e. natural areas)
    a. Initial Credit: Projects must document the planting through photos or imaging. Select points and take geo-coded photos that when taken together capture the newly planted trees in the project area. If site is rectilinear, take a photo at each of the corners. If the

site is large, take photos at points along the perimeter looking into the project area. If necessary to capture the trees, take photos facing each of the cardinal directions while standing in the middle of the project area. If site is nonrectilinear, identify critical points along property boundaries and take photographs at each point facing in towards the middle of the site. Next, take photographs from the middle of the project area facing out at each cardinal direction.

b. At Years 4, 6, and 26: Project provides images of the Project Area from any telemetry, imaging, remote sensing, i-Tree Canopy, or UAV service, such as Google Earth and estimate the area in tree canopy cover (acres). Imaging from Google Earth with leaf-on may be used. Project operators will calculate the percent of canopy cover from the Google Earth imaging. Projects can use i-Tree Canopy and point sampling to calculate canopy cover. Using i-Tree Canopy, continue adding points until the standard error of the estimate for both the tree and non-tree cover is less than 5%. i-Tree Canopy will supply you with the standard errors. If tree canopy cover is determined using another approach, such as image classification, a short description of the approach should be provided, as well as the QA/QC measures that were used. A tree cover classification accuracy assessment should be conducted, as with randomly placed points, and the percentage tree cover classification accuracy reported.

3) Canopy (closely planted with spacing less than 10" apart so to generate canopy and forest ecosystem, high tree mortality expected, i.e. riparian areas)

a. Initial Credit: Projects must document the planting through photos or imaging. Select points and take geo-coded photos that when taken together capture the newly planted trees in the project area. If site is rectilinear, take a photo at each of the corners. If the site is large, take photos at points along the perimeter looking into the project area. If necessary to capture the trees, take photos facing each of the cardinal directions while standing in the middle of the project area. If site is nonrectilinear, identify critical points along property boundaries and take photographs at each point facing in towards the middle of the site. Next, take photographs from the middle of the project area facing out at each cardinal direction.

b. At Years 4, 6, and 26: Project provides images of the Project Area from any telemetry, imaging, remote sensing, i-Tree Canopy, or UAV service, such as Google Earth and estimate the area in tree canopy cover (acres). Imaging from Google Earth with leaf-on may be used. Project operators will calculate the percent of canopy cover from the Google Earth imaging. Projects can use i-Tree Canopy and point sampling to calculate canopy cover. Using i-Tree Canopy, continue adding points until the standard error of the estimate for both the tree and non-tree cover is less than 5%. i-Tree Canopy will supply you with the standard errors. If tree canopy cover is determined using another approach, such as image classification, a short description of the approach should be provided, as well as the QA/QC measures that were used. A tree cover classification accuracy assessment should be conducted, as with randomly placed points, and the percentage tree cover classification accuracy reported.

PROJECT OVERVIEW

Basic Project Details

Project Name: [Enter text here]
Project Number *(CFC to provide)*: [Enter text here]
Project Type: Planting Project (under the Planting Protocol – version 9, dated February 7, 2021)
Project Start Date: [Enter text here]
Project Location *(city, town, or jurisdiction)*: [Enter text here]

Project Operator Name: [Enter text here]
Project Operator Contact Information: [Enter text here]

Project Description
Describe overall project goals, where the project will take place, what method of planting (per Protocol), partners, time period of when the trees have been or will be planted, and any other relevant information. (minimum of 2 paragraphs)

[Enter text here]

LOCATION AND OWNERSHIP OF PROJECT AREA (Section 1.3 and Section 2)

Project Area Location
Describe where the Project Area is located and how it meets the location criteria.

[Enter text here]

Project Area Ownership and Right to Receive Credits
Describe the property ownership and include relevant documentation including numbered title/filename as an attachment (Ex: 1 - Attestation of Land Ownership, or 1 - Agreement from Owner to Transfer Credits).

[Enter text here]

Maps
Provide a detailed map of the Project Area. Also provide a regional-scale map that shows the Project Area within the context of relevant urban/town boundaries. Include numbered title/filename of attachments (Ex: 2 - Regional Scale Map)

[Enter text here]

Additional Notes

[Enter text here]

ATTESTATIONS

Complete and attach the following attestations: Attestation of No Double Counting of Credits, Attestation of No Net Harm, Attestation of Planting, and Attestation of Planting Affirmation. Provide any additional notes as relevant.

[Enter text here]

PLANTING DESIGN

Describe detailed planting design, including spacing between trees. Will the trees be planted as scattered individual trees, clustered in groups like in natural areas, or tightly clustered to restore a forest ecosystem?

- *Single Tree - trees are scattered and spaced apart more than 10 feet, as in streets, yards, some parks, and schools, individual trees are tracked and randomly sampled*
- *Clustered Parks - trees are relatively contiguous in park-like settings and change in canopy is tracked*
- *Canopy – trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy*

Describe your data collection on Project Trees and show it in the quantification section below. For example, Project Operator can use the data collection sheet contained in the CFC quantification tool or your own approved method.

[Enter text here]

CARBON QUANTIFICATION DOCUMENTATION (Section 12 and Appendix B)

Describe which quantification approach you anticipate using, list the project's climate zone, and outline the estimated total number of credits to be issued to the project as well as the amount to be issued upon successful verification. When requesting credits after planting, attach one of the three quantification tool documents below and provide the data you have collected for Project Trees.

- *Single Tree - trees are scattered and spaced apart more than 10 feet, as in streets, yards, some parks, and schools, individual trees are tracked and randomly sampled*
- *Clustered Parks - trees are relatively contiguous in park-like settings and change in canopy is tracked*
- *Canopy – trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy*

Total number of trees planted	
Project area (acres), if applicable	
Total number of trees per acre, if applicable	
Credits attributed to the project (tCO2e)	
Credits after mortality deduction (default is 20%)	
Contribution to Registry Reversal Pool (5%) (tCO2e)	
Total credits to be issued to the Project Operator (tCO2e)	
Total credits requested to be issued in Year 1 (10% of above)	

[Enter text here]

CARBON CO-BENEFITS QUANTIFICATION DOCUMENTATION (Section 12 and Appendix B)

Summarize co-benefit results based on the project's planting method and provide supporting documentation. CFC can provide co-benefits quantification for Project Operator for rainfall interception, air quality improvements, and energy savings.

- *Single Tree - trees are scattered and spaced apart more than 10 feet, as in streets, yards, some parks, and schools, individual trees are tracked and randomly sampled*
- *Clustered Parks - trees are relatively contiguous in park-like settings and change in canopy is tracked*
- *Canopy – trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy*

Ecosystem Services	***Resource Units***	***Value***
Rainfall Interception (m3/yr)		
Air Quality (t/yr)		
Cooling – Electricity (kWh/yr)		
Heating – Natural Gas (kBtu/yr)		
Grand Total ($/yr)		

[Enter text here]

MONITORING AND REPORTING PLANS (Appendix A)

Project Operator is required to submit an annual monitoring report by the anniversary of the first approved verification report. For example, if the verification report is dated January 1, 2021, the first monitoring report will be due by January 1, 2022 and each January 1st thereafter for the duration of the project.

Anticipated Reporting Schedule

Monitoring Report – Year 2	2022	Monitoring Report – Year 15	2035
Monitoring Report – Year 3	2023	Monitoring Report – Year 16	2036
Monitoring Report – Year 4*	2024	Monitoring Report – Year 17	2037
Monitoring Report – Year 5	2025	Monitoring Report – Year 18	2038
Monitoring Report – Year 6*	2026	Monitoring Report – Year 19	2039
Monitoring Report – Year 7	2027	Monitoring Report – Year 20	2040
Monitoring Report – Year 8	2028	Monitoring Report – Year 21	2041
Monitoring Report – Year 9	2029	Monitoring Report – Year 22	2042
Monitoring Report – Year 10	2030	Monitoring Report – Year 23	2043
Monitoring Report – Year 11	2031	Monitoring Report – Year 24	2044
Monitoring Report – Year 12	2032	Monitoring Report – Year 25	2045
Monitoring Report – Year 13	2033	Monitoring Report – Year 26*	2046
Monitoring Report – Year 14	2034		

* Denotes a year where additional information is required in order to receive credits

Monitoring Reports

The report must contain any changes in eligibility status of the Project Operator and any significant tree loss. Monitoring report questions are listed below. The following are questions contained in CFC's annual monitoring report template:

1. Has the contact information for the Project Operator changed? If so, provide new information.
2. Have there been changes in land ownership of the Project Area?
3. Have there been any changes in the Project Design?
4. Have there been any changes in the implementation of management of the Project?
5. Have there been any significant changes to the site (such as flooding or human changes)?
6. Have there been any significant tree or canopy losses?
7. Any other significant elements to report?

Confirm and describe your plans for annual monitoring of this project and specifics on how imaging (see Imaging Requirements in the Protocol Requirements section above) will be conducted based on your project's planting method.

[Enter text here]

ADDITIONAL INFORMATION

Include additional noteworthy aspects of the project. Examples include collaborative partnerships, community engagement, or project funders.

[Enter text here]

PROJECT OPERATOR SIGNATURE

Signed on [insert month and date] in 2021, by [insert name and title of person authorized to sign], for [insert Project Operator name].

_____

Signature

_____

Printed Name

_____

Phone

_____

Email

ATTACHMENTS

1 - Agreement to Transfer Credits and/or Attestation of Land Ownership
2 - Regional Area Map
3 - Project Area Map
4 - Attestation of No Double Counting of Credits
5 - Attestation of No Net Harm
6 - Attestation of Planting
7 - Attestation of Planting Affirmation
8 - Carbon Quantification Initial Credits Tool
9 - Co-Benefit Quantification Initial Credits Tool
10 – Tree Data

QUANTIFYING CARBON DIOXIDE STORAGE AND CO-BENEFITS FOR URBAN TREE PLANTING PROJECTS (Appendix B)

Introduction

Ecoservices provided by trees to human beneficiaries are classified according to their spatial scale as global and local (Costanza 2008) (citations in Part 1 are listed in References at page 16). Removal of carbon dioxide (CO_2) from the atmosphere by urban forests is global because the atmosphere is so well-mixed it does not matter where the trees are located. The effects of urban forests on building energy use is a local-scale service because it depends on the proximity of trees to buildings. To quantify these and other ecoservices City Forest Credits (CFC) has relied on peer-reviewed research that has combined measurements and modeling of urban tree biomass, and effects of trees on building energy use, rainfall interception, and air quality. CFC has used the most current science available on urban tree growth in its estimates of CO_2 storage (McPherson et al., 2016a). CFC's quantification tools provide estimates of co-benefits after 25 years in Resource Units (i.e., kWh of electricity saved) and dollars per year. Values for co-benefits are first-order approximations extracted from the i-Tree Streets (i-Tree Eco) datasets for each of the 16 U.S. reference cities/climate zones (https://www.itreetools.org/tools/i-tree-eco) (Maco and McPherson, 2003). Modeling approaches and error estimates associated with quantification of CO_2 storage and co-benefits have been documented in numerous publications (see References below) and are summarized here.

Carbon Dioxide Storage

There are three different methods for quantifying carbon dioxide (CO_2) storage in urban forest carbon projects:

- Single Tree Method - planted trees are scattered among many existing trees, as in street, yard, some parks, and school plantings, individual trees are tracked and randomly sampled
- Clustered Parks Planting Method - planted trees are relatively contiguous in park-like settings and change in canopy is tracked
- Canopy Method – trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy
- Area Reforestation Method – large areas are planted to generate a forest ecosystem, for example converting from agriculture and in upland areas. This quantification method is under development

In all cases, the estimated amount of CO_2 stored 25-years after planting is calculated. The forecasted amount of CO_2 stored during this time is the value from which the Registry issues credits in the amounts of 10%, 40% and 30% at Years 1, 4, and 6 after planting, respectively. A 20% mortality deduction is applied before calculation of Year 1 Credits in the Single Tree and Clustered Parks Planting Methods. A 5% buffer pool deduction is applied in all three methods before calculation of any crediting, with these funds going into a program-wide pool to insure against catastrophic loss of trees. At the end of the project, in year 25, Operators will receive credits for all CO_2 stored, minus credits already issued.

In the Single Tree Method, the amount of CO_2 stored in project trees 25-years after planting is calculated as the product of tree numbers and the 25-year CO_2 index (kg/tree) for each tree-type (e.g., Broadleaf Deciduous Large = BDL). The Registry requires the user to apply a 20% tree mortality deduction before calculation of Year 1 Credits. Year 4 and Year 6 Credits depend on sampling and mortality data. A 5% buffer pool deduction is applied as well before calculation at any stage.

In the Clustered Parks Planting Method, the amount of CO_2 stored after 25-years by planted project trees is based on the anticipated amount of tree canopy area (TC). Because different tree-types store different amounts of CO_2 based on their size and wood density, TC is weighted based on species mix. The estimated amount of TC area occupied by each tree-type is the product of the total TC and each tree-type's percentage TC. This calculation distributes the TC area among tree-types based on the percentage of trees planted and each tree-type's crown projection area. Subsequent calculations reduce the amount of CO_2 estimated to be stored after 25 years based on the 20% anticipated mortality rate and the 5% buffer pool deduction.

In the Canopy Method, the forecasted amount of CO_2 stored at 25-years is the product of the amount of TC and the CO_2 Index (CI, t CO_2 per acre). This approach recognizes that forest dynamics for riparian projects are different than for park projects. In many cases, native species are planted close together and early competition results in high mortality and rapid canopy closure. Unlike urban park plantings, substantial amounts of carbon can be stored in the riparian understory vegetation and forest floor. To provide an accurate and complete accounting, we use the USDA Forest Service General Technical Report NE-343, with biometric data for 51 forest ecosystems derived from U.S. Forest Inventory and Assessment plots (Smith et al., 2006). The tables provide carbon stored per hectare for each of six carbon pools as a function of stand age. We use values for 25-year old stands that account for carbon in down dead wood and forest floor material, as well as the understory vegetation and soil. If local plot data are provided, values for live wood, dead standing and dead down wood are adjusted following guidance in GTR NE-343. More information on methods used to prepare the tables and make adjustments can be found in Smith et al., 2006. See Attachment A at the end of this Appendix for more information on the Canopy Method.

Source Materials for Single Tree Method and Clustered Parks Planting Methods

Estimates of stored (amount accumulated over many years) and sequestered CO_2 (i.e., net amount stored by tree growth over one year) are based on the U.S. Forest Service's recently published technical manual and the extensive Urban Tree Database (UTD), which catalogs urban trees with their projected growth tailored to specific geographic regions (McPherson et al. 2016a, b). The products are a culmination of 14 years of work, analyzing more than 14,000 trees across the United States. Whereas prior growth models typically featured only a few species specific to a given city or region, the newly released database features 171 distinct species across 16 U.S. climate zones. The trees studied also spanned a range of ages with data collected from a consistent set of measurements. Advances in statistical modeling have given the projected growth dimensions a level of accuracy never before seen. Moving beyond just calculating a tree's diameter or age to determine expected growth, the research incorporates 365 sets of tree growth equations to project growth.

Users select their climate zone from the 16 U.S. climate zones (Fig. 1). Calculations of CO_2 stored are for a representative species for each tree-type that was one of the predominant street tree species per reference city (Peper et al., 2001). The "Reference city" refers to the city selected for intensive study within each climate zone (McPherson, 2010). About 20 of the most abundant species were selected for sampling in each reference city. The sample was stratified into nine diameter at breast height (DBH) classes (0 to 7.6, 7.6 to 15.2, 15.2 to 30.5, 30.5 to 45.7, 45.7 to 61.0, 61.0 to 76.2, 76.2 to 91.4, 91.4 to 106.7, and >106.7 cm). Typically 10 to 15 trees per DBH class were randomly chosen. Data were collected for 16 to 74 trees in total from each species. Measurements included: species name, age, DBH [to the nearest 0.1 cm (0.39 in)], tree height [to the nearest 0.5 m (1.64 ft.)], crown height [to the

nearest 0.5 m (1.64 ft.)], and crown diameter in two directions [parallel and perpendicular to nearest street to the nearest 0.5 m (1.64 ft.)]. Tree age was determined from local residents, the city's urban forester, street and home construction dates, historical planting records, and aerial and historical photos.

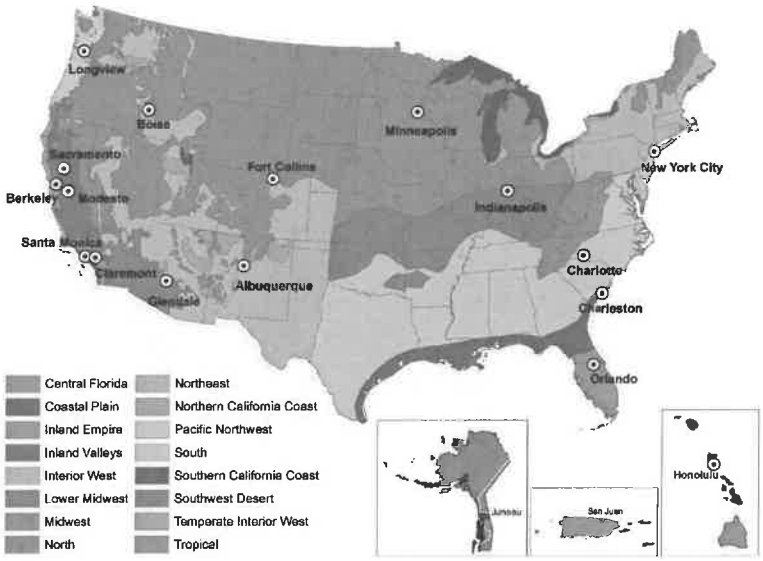

Fig. 1. Climate zones of the United States and Puerto Rico were aggregated from 45 Sunset climate zones into 16 zones. Each zone has a reference city where tree data were collected. Sacramento, California was added as a second reference city (with Modesto) to the Inland Valleys zone. Zones for Alaska, Puerto Rico and Hawaii are shown in the insets (map courtesy of Pacific Southwest Research Station).

Species Assignment by Tree-Type

Representative species for each tree-type in the South climate zone (reference city is Charlotte, NC) are shown in Table 1. They were chosen because extensive measurements were taken on them to generate growth equations, and their mature size and form was deemed typical of other trees in that tree-type. Representative species were not available for some tree-types because none were measured. In that case, a species of similar mature size and form from the same climate zone was selected, or one from another climate zone was selected. For example, no Broadleaf Evergreen Large (BEL) species was measured in the South reference city. Because of its large mature size, *Quercus nigra* was selected to represent the BEL tree-type, although it is deciduous for a short time. *Pinus contorta*, which was measured in the PNW climate zone, was selected for the CES tree-type, because no CES species was measured in the South.

Table 1. Nine tree-types and abbreviations. Representative species assigned to each tree-type in the South climate zone are listed. The biomass equations (species, urban general broadleaf [UGB], urban

general conifer [UGC]) and dry weight density (kg/m^3) used to calculate biomass are listed for each tree-type.

Tree-Type	Tree-Type Abbreviation	Species Assigned	DW Density	Biomass Equations
Brdlf Decid Large (>50 ft)	BDL	*Quercus phellos*	600	*Quercus macrocarpa* [1.]
Brdlf Decid Med (30-50 ft)	BDM	*Pyrus calleryana*	600	UGB [2.]
Brdlf Decid Small (<30 ft)	BDS	*Cornus florida*	545	UGB [2.]
Brdlf Evgrn Large (>50 ft)	BEL	*Quercus nigra*	797	UGB [2.]
Brdlf Evgrn Med (30-50 ft)	BEM	*Magnolia grandiflora*	523	UGB [2.]
Brdlf Evgrn Small (<30 ft)	BES	*Ilex opaca*	580	UGB [2.]
Conif Evgrn Large (>50 ft)	CEL	*Pinus taeda*	389	UGC [2.]
Conif Evgrn Med (30-50 ft)	CEM	*Juniperus virginiana*	393	UGC [2.]
Conif Evgrn Small (<30 ft)	CES	*Pinus contorta*	397	UGC [2.]
[1.]from Lefsky, M., & McHale, M.,2008. [2] from Aguaron, E., & McPherson, E. G., 2012				

Calculating Biomass and Carbon Dioxide Stored

To estimate CO_2 stored, the biomass for each tree-type was calculated using urban-based allometric equations because open-growing city trees partition carbon differently than forest trees (McPherson et al., 2017a). Input variables included climate zone, species, and DBH. To project tree size at 25-years after planting, we used DBH obtained from UTD growth curves for each representative species.

Biomass equations were compiled for 26 open-grown urban trees species from literature sources (Aguaron and McPherson, 2012). General equations (Urban Gen Broadleaf and Urban Gen Conifer) were developed from the 26 urban-based equations that were species specific (McPherson et al., 2016a). These equations were used if the species of interest could not be matched taxonomically or through wood form to one of the urban species with a biomass equation. Hence, urban general equations were an alternative to applying species-specific equations because many species did not have an equation.

These allometric equations yielded aboveground wood volume. Species-specific dry weight (DW) density factors (Table 1) were used to convert green volume into dry weight (7a). The urban general equations required looking up a dry weight density factor (in Jenkins et al. 2004 first, but if not available then the Global Wood Density Database). The amount of belowground biomass in roots of urban trees is not well researched. This work assumed that root biomass was 28% of total tree biomass (Cairns et al., 1997; Husch et al., 2003; Wenger, 1984). Wood volume (dry weight) was converted to C by multiplying by the constant 0.50 (Leith, 1975), and C was converted to CO_2 by multiplying by 3.667.

Error Estimates and Limitations

The lack of biometric data from the field remains a serious limitation to our ability to calibrate biomass equations and assign error estimates for urban trees. Differences between modeled and actual tree growth adds uncertainty to CO_2 sequestration estimates. Species assignment errors result from matching species planted with the tree-type used for biomass and growth calculations. The magnitude of this error depends on the goodness of fit in terms of matching size and growth rate. In previous urban studies the prediction bias for estimates of CO_2 storage ranged from -9% to +15%, with inaccuracies as

much as 51% RMSE (Timilsina et al., 2014). Hence, a conservative estimate of error of ± 20% can be applied to estimates of total CO_2 stored as an indicator of precision.

It should be noted that estimates of CO_2 stored using the Tree Canopy Approach have several limitations that may reduce their accuracy. They rely on allometric relationships for open-growing trees, so storage estimates may not be as accurate when trees are closely spaced. Also, they assume that the distribution of tree canopy cover among tree-types remains constant, when in fact mortality may afflict certain species more than others. For these reasons, periodic "truing-up" of estimates by field sampling is suggested.

Co-Benefit: Energy Savings

Trees and forests can offer energy savings in two important ways. In warmer climates or hotter months, trees can reduce air conditioning bills by keeping buildings cooler through reducing regional air temperatures and offering shade. In colder climates or cooler months, trees can confer savings on the fuel needed to heat buildings by reducing the amount of cold winds that can strip away heat.

Energy conservation by trees is important because building energy use is a major contributor to greenhouse gas emissions. Oil or gas furnaces and most forms of electricity generation produce CO_2 and other pollutants as by-products. Reducing the amount of energy consumed by buildings in urban areas is one of the most effective methods of combatting climate change. Energy consumption is also a costly burden on many low-income families, especially during mid-summer or mid-winter. Furthermore, electricity consumption during mid-summer can sometimes over-extend local power grids leading to rolling brownouts and other problems.

Energy savings are calculated through numerical models and simulations built from observational data on proximity of trees to buildings, tree shapes, tree sizes, building age classes, and meteorological data from McPherson et al. (2017) and McPherson and Simpson (2003). The main parameters affecting the overall amount of energy savings are crown shape, building proximity, azimuth, local climate, and season. Shading effects are based on the distribution of street trees with respect to buildings recorded from aerial photographs for each reference city (McPherson and Simpson, 2003). If a sampled tree was located within 18 m of a conditioned building, information on its distance and compass bearing relative to a building, building age class (which influences energy use) and types of heating and cooling equipment were collected and used as inputs to calculate effects of shade on annual heating and cooling energy effects. Because these distributions were unique to each city, energy values are considered first-order approximations.

In addition to localized shade effects, which were assumed to accrue only to trees within 18 m of a building, lowered air temperatures and windspeeds from increased neighborhood tree cover (referred to as climate effects) can produce a net decrease in demand for winter heating and summer cooling (reduced wind speeds by themselves may increase or decrease cooling demand, depending on the circumstances). Climate effects on energy use, air temperature, and wind speed, as a function of neighborhood canopy cover, were estimated from published values for each reference city. The percentages of canopy cover increase were calculated for 20-year-old large, medium, and small trees, based on their crown projection areas and effective lot size (actual lot size plus a portion of adjacent street and other rights-of-way) of 10,000 ft^2 (929 m^2), and one tree on average was assumed per lot. Climate effects were estimated by simulating effects of wind and air-temperature reductions on building energy use.

In the case of urban Tree Preservation Projects, trees may not be close enough to buildings to provide shading effects, but they may influence neighborhood climate. Because these effects are highly site-specific, we conservatively apply an 80% reduction to the energy effects of trees for Preservation Projects.

Energy savings are calculated as a real-dollar amount. This is calculated by applying overall reductions in oil and gas usage or electricity usage to the regional cost of oil and gas or electricity for residential customers. Colder regions tend to see larger savings in heating and warmer regions tend to see larger savings in cooling.

Error Estimates and Limitations

Formulaic errors occur in modeling of energy effects. For example, relations between different levels of tree canopy cover and summertime air temperatures are not well-researched. Another source of error stems from differences between the airport climate data (i.e., Los Angeles International Airport) used to model energy effects and the actual climate of the study area (i.e., Los Angeles urban area). Because of the uncertainty associated with modeling effects of trees on building energy use, energy estimates may be accurate within ± 25 percent (Hildebrandt & Sarkovich, 1998).

Co-Benefit: CO_2 Avoided

Energy savings result in reduced emissions of CO_2 and criteria air pollutants (volatile organic hydrocarbons [VOCs], NO_2, SO_2, PM_{10}) from power plants and space-heating equipment. Cooling savings reduce emissions from power plants that produce electricity, the amount depending on the fuel mix. Electricity emissions reductions were based on the fuel mixes and emission factors for each utility in the 16 reference cities/climate zones across the U.S. The dollar values of electrical energy and natural gas were based on retail residential electricity and natural gas prices obtained from each utility. Utility-specific emission factors, fuel prices and other data are available in the Community Tree Guides for each region (https://www.fs.fed.us/psw/topics/urban_forestry/products/tree_guides.shtml). To convert the amount of CO_2 avoided to a dollar amount in the spreadsheet tools, City Forest Credits uses the price of $20 per metric ton of CO_2.

Error Estimates and Limitations

Estimates of avoided CO_2 emissions have the same uncertainties that are associated with modeling effects of trees on building energy use. Also, utility-specific emission factors are changing as many utilities incorporate renewable fuels sources into their portfolios. Values reported in CFC tools may overestimate actual benefits in areas where emission factors have become lower.

Co-Benefit: Rainfall Interception

Forest canopies normally intercept 10-40% of rainfall before it hits the ground, thereby reducing stormwater runoff. The large amount of water that a tree crown can capture during a rainfall event makes tree planting a best management practice for urban stormwater control.

City Forest Credits uses a numerical interception model to calculate the amount of annual rainfall intercepted by trees, as well as throughfall and stem flow (Xiao et al., 2000). This model uses species-specific leaf surface areas and other parameters from the Urban Tree Database. For example, deciduous trees in climate zones with longer "in-leaf" seasons will tend to intercept more rainfall than similar species in colder areas shorter foliation periods. Model results were compared to observed patterns of

rainfall interception and found to be accurate. This method quantifies only the amount of rainfall intercepted by the tree crown, and does not incorporate surface and subsurface effects on overland flow.

The rainfall interception benefit was priced by estimating costs of controlling stormwater runoff. Water quality and/or flood control costs were calculated per unit volume of runoff controlled and this price was multiplied by the amount of rainfall intercepted annually.

Error Estimates and Limitations

Estimates of rainfall interception are sensitive to uncertainties regarding rainfall patterns, tree leaf area and surface storage capacities. Rainfall amount, intensity and duration can vary considerably within a climate zone, a factor not considered by the model. Although tree leaf area estimates were derived from extensive measurements on over 14,000 street trees across the U.S. (McPherson et al., 2016a), actual leaf area may differ because of differences in tree health and management. Leaf surface storage capacity, the depth of water that foliage can capture, was recently found to vary threefold among 20 tree species (Xiao & McPherson, 2016). A shortcoming is that this model used the same value (1 mm) for all species. Given these limitations, interception estimates may have uncertainty as great as ± 20 percent.

Co-Benefit: Air Quality

The uptake of air pollutants by urban forests can lower concentrations and affect human health (Derkzen et al., 2015; Nowak et al., 2014). However, pollutant concentrations can be increased if the tree canopy restricts polluted air from mixing with the surrounding atmosphere (Vos et al., 2013). Urban forests are capable of improving air quality by lowering pollutant concentrations enough to significantly affect human health. Generally, trees are able to reduce ozone, nitric oxides, and particulate matter. Some trees can reduce net volatile organic compounds (VOCs), but others can increase them through natural processes. Regardless of the net VOC production, urban forests usually confer a net positive benefit to air quality. Urban forests reduce pollutants through dry deposition on surfaces and uptake of pollutants into leaf stomata.

A numerical model calculated hourly pollutant dry deposition per tree at the regional scale using deposition velocities, hourly meteorological data and pollutant concentrations from local monitoring stations (Scott et al., 1998). The monetary value of tree effects on air quality reflects the value that society places on clean air, as indicated by willingness to pay for pollutant reductions. The monetary value of air quality effects were derived from models that calculated the marginal damage control costs of different pollutants to meet air quality standards (Wang and Santini 1995). Higher costs were associated with higher pollutant concentrations and larger populations exposed to these contaminants.

Error Estimates and Limitations

Pollutant deposition estimates are sensitive to uncertainties associated with canopy resistance, resuspension rates and the spatial distribution of air pollutants and trees. For example, deposition to urban forests during warm periods may be underestimated if the stomata of well-watered trees remain open. In the model, hourly meteorological data from a single station for each climate zone may not be spatially representative of conditions in local atmospheric surface layers. Estimates of air pollutant uptake may be accurate within ± 25 percent.

Conclusions

Our estimates of carbon dioxide storage and co-benefits reflect an incomplete understanding of the processes by which ecoservices are generated and valued (Schulp et al., 2014). Our choice of co-benefits to quantify was limited to those for which numerical models were available. There are many important benefits produced by trees that are not quantified and monetized. These include effects of urban forests on local economies, wildlife, biodiversity and human health and well-being. For instance, effects of urban trees on increased property values have proven to be substantial (Anderson & Cordell, 1988). Previous analyses modeled these "other" benefits of trees by applying the contribution to residential sales prices of a large front yard tree (0.88%) (McPherson et al., 2005). We have not incorporated this benefit because property values are highly variable. It is likely that co-benefits reported here are conservative estimates of the actual ecoservices resulting from local tree planting projects.

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CITY FOREST
CREDITS

INCLUDE PROJECT NAME HERE
Attestation of Land Ownership

I am the [insert title] of the [insert name of landowner] and make this attestation regarding the ownership of land upon which the [insert Project Operator] is the Project Operator of a tree planting project [insert name of planting project].

1. Land Ownership

The [insert name of landowner] is the owner in fee simple of the land identified in Section 2 and in Exhibit A.

2. Subject Lands

The Property upon which the [insert name of planting project] Project is planting trees and which is the subject of this Declaration is specified in Exhibit A.

Signed on [insert month and date] in 2021, by [insert name and title of person authorized to sign], for [insert Project Operator name].

_____
Signature

_____
Phone

_____
Email

Exhibit A

Specification of Property (can be maps, legal description, and/or other reasonably specific delineations of the property upon which the project is taking place)

CITY FOREST
CREDITS

INSERT PROJECT NAME
Project Operator Attestation of Planting

I, the undersigned Project Operator for the Planting Project named [insert project name], located at [insert project location(s)], and submitted to City Forest Credits by application dated [insert date to be submitted], attest to the following in order to confirm the planting of trees under this Project:

- Trees planted were not required by any law or ordinance to be planted;
- Trees were planted under this project on the following date (s): [insert planting event date(s)];
- The organizations or groups that participated in the planting event(s) are listed in the attached documents;
- Planting events are shown in photos attached, which can include photos of tree stock and planting activities;
- The number of trees planted by species are, to a reasonable certainty, [insert tree data].

These planting numbers are confirmed by one or more of the following supporting and attached documents:

1. Invoices for trees planted, or
2. Invoices or a statement from the party who funded the tree purchase or supplied the trees attesting to the number of trees purchased, or
3. Any reporting to the owner or public body regarding the planting, invoices, costs, or other data re the planting, or
4. Any other reliable estimate of trees planted that is approved by the Registry

Signed on [insert month and date] in 2021, by [insert name and title of person authorized to sign], for [insert Project Operator name].

_____
Signature

_____
Phone

_____
Email

CITY FOREST
CREDITS

Attestation of Planting Affirmation

I, the undersigned working on behalf of [insert department] at [insert organization], attest and confirm that tree planting(s) occurred on the following dates under the project named in the City Forest Credits registry [insert project name] by the Project Operator, [insert Project Operator name].

Trees were planted under this project on the following date(s): [insert planting event dates]

The approximate number of trees planted is: [insert approximate number of trees witnessed at planting]

Signed on [insert month and date] in 2021, by [insert name and title of person authorized to sign], for [insert Project Operator name].

_____
Signature

_____
Phone

_____
Email

CITY FOREST
CREDITS

INCLUDE PROJECT NAME HERE
Attestation of No Net Harm

I am the [insert title] of the [insert name of Project Operator] and make this attestation regarding the no net harm from tree planting project, [insert name of planting project].

1. Project Description

The Project that is the subject of this attestation is described more fully in both our Application and our Project Design Document (PDD), both of which are incorporated into this attestation.

2. No Net Harm

The trees planted in this project will produce many benefits, as described in our Application and PDD. Like almost all urban trees, the project trees are planted not for harvest but for the benefits they deliver to people, communities, and the environment as living trees in a metropolitan area.

The project trees will produce many benefits and will not cause net harm. Specifically, they will not:

- Displace native or indigenous populations
- Deprive any communities of food sources
- Degrade a landscape or cause environmental damage

Signed on [insert month and date] in 2021, by [insert name and title of person authorized to sign], for [insert Project Operator name].

_____
Signature

_____
Phone

_____
Email

Exhibit A

Specification of Property (can be maps, legal description, and/or other reasonably specific delineations of the property upon which the project is taking place)

CITY FOREST
CREDITS

INCLUDE PROJECT NAME HERE
Attestation of No Double Counting of Credits

I am the [insert title] of the [insert name of Project Operator] and make this attestation regarding the no double counting of credits from tree planting project, [insert name of planting project].

1. Project Description

The Project that is the subject of this attestation is described more fully in both our Application and our Project Design Document (PDD), both of which are incorporated into this attestation.

2. No Double Counting by Applying for Credits from another registry

[Insert name of Project Operator] will not seek credits for CO_2 for the project trees or for this project from any other organization or registry issuing credits for CO_2 storage.

3. No Double Counting by Seeking Credits for the Same Trees or Same CO_2 Storage

[Insert name of Project Operator] will not apply for a project including the same trees as this project nor will it seek credits for CO_2 storage for the project trees or for this project in any other project or more than once.

Signed on [insert month and date] in 2021, by [insert name and title of person authorized to sign], for [insert Project Operator name].

_____
Signature

_____
Phone

_____
Email

Exhibit A

Specification of Property (can be maps, legal description, and/or other reasonably specific delineations of the property upon which the project is taking place)

City Forest Carbon Project National Sale

Request for Proposals

Pierce County, WA Planting Project

1. The Offer

Sixteen urban forest planting and preservation projects, all by U.S. non-profits, cities, or governmental entities, that generate over 40,000 metric tons of third-party verified Carbon+ Credits, are offering the Credits for sale through this Request for Proposals. The Credits represent all of the currently existing and to-be-issued city forest carbon credits available in the United States in 2021.

These locally sourced credits represent trees planted and preserved that deliver a range of highly charismatic community impacts. The buyer obtains not only offsets but a portfolio of projects with demonstrated equity, health, social, environmental, and economic impacts – powerful proof of the urgent work being done to make our cities green, equitable, healthy, and climate-ready.

This RFP represents the first and largest aggregation of urban forest carbon projects in the world. Benefits to a carbon buyer or corporate social responsibility/sustainability funder include:

- An immediate portfolio of 16 urban forest planting and preservation projects across the United States
- A signature, groundbreaking purchase with media value and visibility in both national and local markets
- Equity, health, urban heat, bird and pollinator, work force training, and other human and community benefits

- Approximately 40,000 carbon offsets in a premium and unique sector of the carbon market, representing nearly all of the current and 2021 urban forest credits for the entire U.S.
- Quantified ecosystem values in the form of stormwater reduction, improved air quality, and energy savings from cooling and heating impacts
- The opportunity for direct, high-profile engagement in communities where the buyer's employees, customers, or other stakeholders may reside
- A differentiated, direct investment in communities with an aggregate population of 31,000,000.

A successful transaction will immediately establish the buyer or CSR funder as a visionary leader in community climate action including environmental justice and human health. This transaction will also serve as a call to action to catalyze future investment in trees and people in cities.

Proposals are respectfully invited that include the information described below in the section titled "Proposals" on or before September 10, 2021.

Treasure Valley Municipal Parks Project, Idaho

2. Catalyzing Conservation Funding for Green, Equitable, Healthy Cities

The Need

City forests are an emerging and highly valuable sector of the carbon market. Metropolitan U.S. forests comprise 141 million acres of land and provide $18.3 billion in benefits per year directly to the 80% of our population that lives, works, breathes, and recreates there.[1] Yet our city forests are essentially being de-forested and face three challenges that are literally a matter of life and death, as urban heat deaths in the summer of 2021 attest.

[1] Nowak, D.J. and E.J. Greenfield, U.S. urban forest statistics, values, and projections. Journal of Forestry, 2018. 116(2): 164-177. Merrill, D. and Leatherby, L., Here's How America Uses Its Land, July 31, 2018

First, urban and community tree cover declined by 175,000 acres, or 36 million trees, per year between 2009 and 2014.[2] If we assume that same annual loss through 2019, this equals the de-forestation of land area the combined size of Boston, New York, Miami, Atlanta, St. Louis, Seattle, Portland, and San Francisco. This tree loss also represents a loss of over $100 million of benefits from the rain interception, heating, cooling, air quality, and carbon sequestration those trees provided. Heat kills more people than storms or other weather events, and urban tree cover saves lives, as documented in two recent articles in the New York Times.[3]

Second, our city forests are not equitably distributed or maintained, creating environmental injustices that disproportionately and adversely affect minority communities. The New York Times has documented the legacy of red-lining and highway construction in U.S. cities, among many other institutional issues.[4] These destructive legacies result in reduced tree cover and temperatures as much as 12 degrees higher in under-resourced city neighborhoods.

Last, our city forests are funded almost entirely by cities, with almost no state or federal funding. Cities "book" trees as expenses, not as assets on their balance sheets. As expenses only, without the countervailing asset value, trees fall in budgeting priority below many other competing demands, such as human services, utilities, transit, housing and unhoused populations, and public safety. Hence the de-forestation and environmental inequities continue in our city forests.

The Value

Without robust private-sector conservation funding of our metropolitan forests, these challenges cannot be reversed. Our cities will lose the fight to be green, healthy, and equitable in the face of relentless global warming. Carbon and sustainability leaders such as Microsoft, PayPal, Bank of America, Jonathan Rose Companies and Cloverly have been purchasers or funders of urban forest credits generated by early adopter individual projects. This RFP, however, represents the first sale on a unified national scale. Because urban forests directly affect the equity, access to nature, health and well-being of tens of millions of Americans daily, the city forest carbon credits, while small in number now compared to large-scale forest projects in remote locations, are extraordinarily valuable.

With additional private-sector funding, the scale of these local credits could increase and provide dramatic benefits. If 250 trees were planted in 50 cities within 20 neighborhoods, after 25 years those 250,000 trees would store 494,514 tons of CO_2 with a CO_2 value of $19,780,560 at $40/ton. The co-benefits of these 250,000 trees represent cost savings of over $17.7 million per year.

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[2] Nowak, D.J. and Greenfield, E.J., Declining urban and community tree cover in the United States. Urban Forestry & Urban Greening, 2018. 32: 32-55

[3] Leahy, I and Serkez, Y., Since When Have Trees Existed Only for Rich Americans, June 30, 2021. Einhorn, C., What Technology Could Reduce Heat Deaths? Trees, July 2, 2021

[4] Leahy, I and Serkez, Y.; Plumer, B. and Popovich, N., How Decades of Racist Housing Policy Left Neighborhoods Sweltering, August 24, 2020; and Johnson, K., A Counter to Confederate Monuments, Black Cemeteries Tell a Fuller Story of the South, Sept. 30, 2020

U.S. cities and towns are projected to add almost one million acres of new urban land by 2060. If 1% of this new urban land were preserved as forest, the co-benefits alone represent avoided costs of over $2.8 billion per year.

The Opportunity

The projects seek a net floor price of $30 per credit. At 40,152 credits, this totals $1.2 million net of any transaction fees. For this relatively modest amount, a private-sector carbon or CSR funder can provide a critical lifeline to our urban forests, catalyze this emerging sector of carbon, incentivize more projects, and demonstrate their commitment to climate action, environmental justice and community impacts that improve the lives of city residents where they live, work, and recreate daily.

Specific details on the projects, the non-profit carbon registry issuing the credits (City Forest Credits), the credits, and the process follow in sections 3 through 10. Exhibit 3 describes the work of City Forest Credits in pioneering urban forest carbon in the absence of any meaningful action by the large carbon registries.

Evergreen and East End Preservation Project, Richmond, VA

3. Description of Projects, Credits and Benefits

Project Operators

The Project Operators are a combination of nonprofit organizations, land trusts, conservation districts, and municipal entities engaged in tree planting and/or tree preservation activities in their respective communities. A table listing all of the current and anticipated Projects and Credits participating in the RFP is attached as Exhibit 1. For the reasons described below, the number of Projects and Credits is subject to change. Additional information about each Project is attached as Exhibit 2.[5]

[5] Information is not available for Projects that have not yet formally applied to CFC or received independent third-party verification; additional descriptions and technical information will be provided as available.

Geographic Distribution

The Projects are geographically diverse and are located in communities large and small. They are distributed across the United States in Metropolitan Statistical Areas that are home to approximately 31,000,000 Americans, including the following MSAs: Chicago, IL, Seattle-Tacoma-Bellevue, WA, Austin/Round Rock, TX, Houston, TX, Richmond, VA, Cleveland, OH, Pittsburgh, PA, Cedar Rapids, IA, Des Moines, IA, Chattanooga, TN, and Boise/Nampa, ID.

The Credits

The Projects have registered, or are in the process of registering, their projects with City Forest Credits, a national nonprofit carbon registry ("CFC") that, among other things, administers technical carbon protocols, including methodologies for the quantification of CO_2 stored in project trees. The Projects currently participating in the RFP represent up to approximately 40,152 Credits available for sale by year-end. The Credits represent only the carbon credits currently available. CFC will issue additional credits related to each project at designated dates in the future according to its protocols.

Detailed information about CFC, its protocols, and its credits is attached as Exhibit 3. In summary, approximately 90% of the credits are ex post credits issued under an avoided conversion protocol for preservation of forested stands at risk of removal in metropolitan areas. Preserving these at-risk forests is critical due to rapid loss of urban tree cover, continual development pressure in metropolitan areas, and the fact that newly planted trees will take 25 to 40 years to achieve the same benefits as existing forested stands.

Approximately 10% of the credits are for planting trees and removing CO_2 from the atmosphere. These are ex ante credits issued at three points in time, with mortality checks, until they are converted to ex post credits at year 26 after a final quantification, third-party verification, and issuance of final credits.

Documented loss of tree cover across U.S. cities testifies to the lack of municipal funding for city forests. Urban forest planting projects cannot wait for 25 years to receive carbon revenue. With appropriate safeguards, ex ante credits entail less risk for urban forest then for rural and wildland forests. City forests are never planted for harvest and have no harvest revenues that may misalign with the longevity required for crediting. Urban trees are planted solely for their social and environmental values, and the only way to monetize city trees is through carbon crediting. This gives Project Operators strong economic incentives to maintain planting projects through 26 years and then beyond to capture additional growth and credit revenue. The survival of the trees (and the continuing social and environmental benefits) is aligned with crediting. See Exhibit 3 for more detailed information.

Benefits of urban and community forests in the U.S.

Urban forests deliver significant quantitative and qualitative value. Quantitatively, urban trees in the U.S. store carbon valued at $14.3 billion.[6] They improve air quality by removing ozone, nitrogen dioxide, sulfur dioxide, and particulate matter from the air through surface deposition or leaf uptake, and are capable of removing more air pollution, over 800,000 tons annually, because they are in environments with heavier pollution.

City forests provide significant energy savings by reducing annual expenditures on air conditioning and heating and buffering against cold winds and extreme temperatures- a particular problem in paved urban environments and more broadly as we experience unprecedented temperatures and other effects of climate change. City trees reduce erosion and stormwater and flooding risk by offering two reservoirs of rainwater storage: tree canopies intercept and hold rainfall, and soil and root systems retain stormwater.

In addition to the quantitative benefits, urban trees deliver many qualitative benefits rarely found in rural forest carbon markets. Urban forests have been linked to improved health and avoided healthcare costs, higher birth weights, reduced crime, higher lifetime incomes for high school graduates and reduced levels of ADHD.[7] Tree cover is inequitably distributed in most areas, with more trees in affluent, majority neighborhoods. Therefore, increasing tree cover in communities across a region can increase social equity and begin to deliver on long-delayed promises of environmental justice.

Specific Project Benefits

The Projects and Credits provide all of these benefits. One distinctive feature of these offsets is that the CFC scientists have included with the metric ton of CO_2 quantified ecosystem co-benefits of rainfall interception, air quality improvements, and heating and cooling benefits. These are quantified in both Resource Units (cubic meters of rainfall interceptions, for example) and in avoided costs (dollars saved from heating and cooling costs). In addition to constituting up to 40,152 metric tons of carbon offset, the Projects comprise quantified ecosystem co-benefits,[8] estimated in aggregate at:

Rain interception (a component of stormwater, which is a significant environmental issue and cost in metro areas): 289,673 m^3/year; $894,076/yr
Air quality: 17.64 tons/yr; $46,432/yr
Cooling: 2,151,049 kWh/year; $198,458/yr
Heating (natural gas): 27,492,434 kBtu/year; $348,336/yr

The annual estimated economic benefits from the Projects total $1,487,302 in avoided costs per year.

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[6] Nowak, D.J. and D.E. Crane, Carbon storage and sequestration by urban trees in the USA. Environmental Pollution, 2002. 116(3): 381-389.

[7] Wolf, K.L, Nature's Riches: The Health and Financial Benefits of Nearby Nature. 2016, University of Washington: Seattle, WA.

[8] According to CFC protocols

The Projects also deliver meaningful qualitative benefits. Preservation and planting projects are the result of the coordinated efforts of professionals, community members and volunteers united by a passion to improve their urban environments, remedy social and environmental inequities and bring all the benefits of urban forests to their fellow residents. They have created social networks, enlisted local businesses and community leaders, and motivated friends, neighbors and colleagues to action.

The benefits to these communities take many forms. Some specific examples include the following:

- The Evergreen and East End cemeteries in Richmond, VA have been recognized by UNESCO as a site of memory associated with the Slave Route Project- the first such site to receive the designation in the U.S. Enrichmond Foundation will use proceeds from the sale of the Credits to fund volunteer activities which help maintain the properties while strengthening the community's understanding of this important part of its past.

- Mountains to Sound Greenway Trust is restoring land adjacent to subsidized public housing and creating a program to bring local volunteers to the site to steward the open space. The site was choked with blackberries and inaccessible to members of the public. The Project has cleared out the invasive species, planted over 2,000 trees, and engaged a socioeconomically and culturally diverse group of volunteers to assist with the restoration. The restoration work will also improve water quality, wildlife habitat, in addition to restoring public access to this new green forest.

- Trees Forever in Des Moines is leading planting efforts in formerly redlined communities most in need of trees. The Project also continues the launch of a work force training program called Growing Futures, which provides green jobs and training to local teenagers and young adults.

- Allegheny Land Trust is protecting 124 forested acres from residential development in the Pittsburgh area, thereby protecting wildlife habitat and preserving recreational space and access to nature for residents.

- Lookout Mountain Conservancy is preserving a 58-acre oak-pine forest situated next to a national military park and partnering with a local high school to provide employment and scholarship opportunities for at-risk teens.

For additional information about the benefits the Projects deliver in their communities, see the individual Project descriptions attached as Exhibit 2.

If the RFP results in a successful sale, the revenue generated from the sale will fund more work by these Project Operators and will incentivize future projects by other project operators who are motivated by the opportunity to partner with visionary carbon buyers and CSR funders.

Reforesting Des Moines

4. Projects and Credits Subject to Change

The total number of Credits available through the RFP will not be known until December 2021 for several reasons. Some Projects will be completing the credit verification and issuance process in the fourth quarter. Subject to input from the buyer, the Project Operators anticipate that signing of a definitive agreement for the purchase of the Credits will occur around October of 2021, with the final closing occurring in December 2021 or January 2022 when the total number of issued credits will be known.

The total number of credits available may also be affected by additions to or withdrawals from the RFP process. Projects may withdraw from the RFP process at any time until the signing of a definitive purchase agreement. Some Project Operators are in discussions with prospective buyers of their credits. Project Operators may withdraw from the RFP process if they identify another buyer through other means or if they do not find the price or other terms offered by a buyer through the RFP process attractive. The sooner a purchase agreement is completed, the sooner we can determine which Projects are included and calculate the precise number of Credits.

St. Elmo Preservation Project, Chattanooga, TN

5. Anticipated Floor Price

The Project Operators anticipate that the net price to them, after payment of any fees and expenses to agents or representatives of the buyer and the National Sale Director who is acting on behalf of the Project Operators, will be a minimum of $30 per Credit.

This floor price was set based on a number of factors. The asset offered is exclusive and bespoke. It represents all of the urban forest credits available to any carbon or CSR buyer in 2021 in the United States.

The Project Operators also considered recent prices for carbon credits on the open market. The early projects under the CFC protocols have sold credits in small volumes individually, which makes such sales inexact comparisons to this national sale opportunity. Prices have ranged from $22 to $35, with recent individual small-scale sales at $30 and $35.

The EU Emissions Trading System price for carbon futures was $63.99 on July 28, 2021 and the UK futures price was $60.63 on July 28, 2021.[9] These EU and UK prices are not closely comparable to the value of the Credits because they reflect general carbon credits and not substantially the entire 2021 inventory of highly charismatic, specialized credits with demonstrated impacts across multiple dimensions, including climate action, social equity, human health, quantified ecosystem values, and bird and pollinator habitat.

The final price will be based on buyers' evaluation of the Projects and Credits, the number of buyers submitting proposals and buyers' internal considerations.

[9] https://ember-climate.org/data/carbon-price-viewer/

T.C. Jester Riparian Restoration Project, Houston, TX

6. Documentation

Subject to input from the buyer, the Project Operators anticipate that the transaction will be documented in a single purchase agreement, to which the buyer and all Project Operators are parties. The purchase agreement will contain customary provisions for an agreement of its type, including representations from the buyer that it is purchasing the Credits for its own account without intent to resell or transfer and without expectation of profit.[10] It will provide for a signing and deferred close to provide time for Projects to complete all required steps for verification and issuance before year-end. We anticipate signing of a purchase agreement in Q4 2021 and closing of the transaction, based on the final calculation of Credits, in December 2021 or January 2022.

As noted above, Projects may withdraw from the RFP process at any time prior to execution of a purchase agreement for any or no reason, so the final number of Credits will be subject to determination at two points in time: first, a contingent number of Credits determined on the date the purchase agreement is signed, and second, a final number of Credits determined close to or at year-end based on final verification and issuance. More information on the proposed signing and closing process is available from the National Sale Director.

[10] The purchase agreement will also include appropriate representations from the Project Operators. Nothing contained herein shall be considered a representation or warranty of any kind.

Bainbridge Forest Preservation Project, OH

7. Proposals

Buyers interested in submitting a proposal should provide the following to the National Sale Director by email at the addresses contained in the section titled "Communications" below on or before September 10, 2021:[11]

- the net price per Credit payable to Project Operators after deduction of the National Sale Director fee described below in the section titled "Fees and Expenses,"
- if available, a form of purchase agreement proposed to be signed by buyer and the Project Operators,
- any important conditions or contingencies to the buyer's offer, or any minimum or maximum number of Credits buyer is prepared to purchase,
- any additional information or due diligence buyer requires to complete the transaction, and
- any views on local and national media and communications regarding the completed transaction.

[11] The Project Operators reserve the right to extend the deadline for receipt of proposals at their discretion.

Reforesting Des Moines, IA

8. Criteria for Evaluating Proposals

The Project Operators will evaluate proposals based on the following criteria:

- price,
- the terms proposed by buyer,
- the prospective buyer's views, resources and alignment around media announcing the purchase,
- potential future opportunities with the buyer,
- the buyer's identity, business and operations, and
- other subjective factors as they may relate to the Projects, urban forestry or an individual Project's objectives and considerations.

Some Project Operators may have legal restrictions concerning types of buyers. The Project Operators reserve the right to accept or reject proposals at their discretion.

Sandy Cross Forest Preservation Project, Ohio

9. Communications

To ensure an efficient process, all communications from prospective buyers and their agents or representatives related to the RFP should be directed to the National Sale Director, acting on behalf of the Project Operators:

Douglas McPherson
douglasmcp@gmail.com
626 893 7161

Ballinger Open Space Restoration, WA

10. Fees and Expenses

The National Sale Director's fee for assisting in the preparation, execution and completion of the RFP process is 6% of the gross transaction value and will be payable by the buyer at the closing. "Gross transaction value" means (a) the total consideration paid or to be paid in a transaction or transactions with the buyer before any deductions or payments of costs, fees, expenses of any kind related to the transaction, plus (b) payments made in installments, if any.

In addition to any fees that may be payable, the buyer will promptly reimburse the National Sale Director at the closing for all reasonable expenses incurred in performing his services. The National Sale Director shall provide an account of accrued expenses and reasonable supporting documentation upon request.

CFC fees are subject to individual agreements with the Project Operators and will be paid by the Project Operators to CFC from their net proceeds immediately after the closing.

Other than as described above, each party is responsible for its own legal and administrative costs.

Exhibit 1

Projects and Available Credits[12]

Project Operator	Project Name	Location	2020 and 2021 Credits: Credits now available and projected for issuance by 12/31/21
Western Reserve Land Conservancy	Bainbridge Forest Preservation	Cleveland, OH	4,139
Mountains to Sound Greenway Trust	Ballinger Open Space Restoration	Shoreline, WA	192
Allegheny Land Trust	Buena Vista Heights Conservation Area Preservation Project	Pittsburgh, PA	5,635
Enrichmond Foundation	Evergreen and East End Preservation Project	Richmond, VA	1,500
City of Issaquah	Harvey Manning Park Expansion Project	Issaquah, WA	8,165
CRTI/KCFPD	Kendall County Forest Preserve - 2021	Kendall County, IL	567
King County	King County Urban Forest Preservation Program - 2019	King County, WA	265
CRTI/LCFPD	Lake County Forest Preserve - 2021	Lake County, IL	681
Pierce Conservation District	Pierce Conservation District Reforestation Program - 2021	Pierce County, WA	463
Trees Forever	Reforesting Cedar Rapids - 2021	Cedar Rapids, IA	200
Trees Forever	Reforesting Des Moines - 2021	Des Moines, IA	296
Western Reserve Land Conservancy	Sandy Cross Forest Preservation	Mansfield, OH	8,642
Lookout Mountain Conservancy	St. Elmo Preservation Project	Chattanooga, TN	8,715
City of Houston	T.C. Jester Riparian Restoration Project	Houston, TX	502
TreeFolks	Travis County Floodplain Reforestation Program	Travis County, TX	100
Treasure Valley Canopy Network	Treasure Valley Municipal Parks Project	Boise, ID & Nampa, ID	90
	Totals		**40,152**

[12] The total number of Credits available for purchase will not be known until December 2021 because some Projects will be completing the verification and issuance process in the fourth quarter. The total number of credits available may also be affected by additions to or withdrawals from the RFP process. Projects may withdraw from the RFP process at any time until the signing of a definitive purchase agreement for any reason, including if they identify another buyer through other means or they do not find the price or other terms offered by a buyer through the RFP process attractive.

Exhibit 2

Individual Project Descriptions[13]

[13] Individual project descriptions have been provided by the Project Operators. Each Project Operator is responsible solely for the content contained in its respective project description.

Bainbridge Forest Preservation Project

Credits available: 4,139

Project Operator: Western Reserve Land Conservancy

Location: Bainbridge Township, Geauga County, Ohio

Project type: Preservation

Estimated quantified impacts:

- Rain interception: 14,028.0 m^3/year, $29,649.71 per year
- Air quality: 0.9720 tons/year, $2,398.06 per year
- Energy – cooling (electricity): 42,414 kWh/year, $5,942.19 per year
- Energy – heating (natural gas): 1,753,006 kBtu/year, $24,518.05 per year

PROJECT DESCRIPTION

The Bainbridge Forest Preservation Project (the "Project") is comprised of approximately 32 acres with 27.25 acres of mature forest. Western Reserve Land Conservancy (the "Land Conservancy") is seeking to preserve the Project area, creating substantial conservation and community benefits including carbon sequestration, wildlife habitat, and watershed and open space protection.

Preservation of the Project area is important as intact forests of this size are becoming increasingly rare in western Geauga County due to intense development pressure. Indeed, surrounding forested land is being rapidly converted into residential parcels to accommodate single-family homes.

The Project area contains a diverse, mature tree population (~100 years old) with species including: American beech (*Fagus grandifolia),* sugar maple (*Acer saccharum)*, red maple (*Acer rubrum)*, and tulip poplar (*Liriodemdron tulipifera)*. The forest is comprised of trees averaging 23" DBH (diameter at breast height), with some extremely large specimens, including a 43" DBH sugar maple.

The Land Conservancy's overall goal is to protect the Project area in perpetuity through a conservation easement. The Land Conservancy is experienced in holding conservation easements (it holds 102 easements representing over 8,000 acres in Geauga County alone), and will enroll the Property into its diverse portfolio of protected lands, monitoring the Property annually to ensure its natural resources (including mature forest) are upheld to standards identified in conservation restrictions. Layers of legal protection and stewardship monitoring granted through the easement terms will ensure continued provision of conservation benefits for generations to come.

Ballinger Open Space

Credits available: 192

Project Operator: Mountains to Sound Greenway Trust

Location: Shoreline, WA

Project type: Planting

Estimated quantified impacts:

- Rain interception: 8,161.72 m^3/year, $59,918.01 per year
- Air quality: 0.2346 tons/year, $630.52 per year
- Energy – cooling (electricity): 84,656.55 kWh/year, $4,334.42 per year
- Energy – heating (natural gas): 264,686.18 kBtu/year, $3,013.10 per year

PROJECT DESCRIPTION

The Mountains to Sound Greenway Trust (Greenway Trust) is partnering with the City of Shoreline to restore a site known as Ballinger Open Space. The Greenway Trust will work with the City of Shoreline and community members to remove invasive plants, plant trees, and restore public access to this land, which is adjacent to a subsidized housing facility. This project was awarded the 2019 Spotlight Award for Environmental Stewardship by the Washington Recreation and Park Association.

The site was inaccessible to nearby residents due to chest-high invasives such as blackberry. The primary goal has been to remove 2.7 acres of invasive plants and replace them with 2,000 native trees. Local habitat and water quality will be improved by clearing invasive weeds and restoring the area through the planting of conifers. Clearing invasive vegetation will also allow the City of Shoreline and the Greenway Trust to undertake an initial assessment of site conditions in preparation for future public access throughout the site.

The Greenway Trust is also working with the City of Shoreline and the Ballinger Homes community to ensure engagement with a socioeconomically and culturally diverse group of volunteers to assist with the efforts. The Greenway Education Program will work with local school groups to bring students out for field study. Students can make a direct, positive impact on the health of streams that drain to Puget Sound while learning about watersheds and how to improve the ecological health of their communities.

Buena Vista Heights Conservation Area

Credits available: 5,635

Project Operator: Allegheny Land Trust

Location: Elizabeth Township, PA (Pittsburgh)

Project type: Preservation

Estimated quantified impacts:

- Rain interception: 63,375 m^3/year, $133,951 per year
- Air quality: 4.37 tons/year, $10,778 per year
- Energy - cooling (electricity): 192,440 kWh/year, $26,960 per year
- Energy – heating: 7,966,028 kBtu/year, $111,415 per year

PROJECT DESCRIPTION

Outside Pittsburgh, Allegheny Land Trust (ALT) protected 124 acres of woodlands from rapidly encroaching residential development in southeastern Allegheny County. The 40 year old maple, cherry and oak-hickory forest provides habitat for white-tailed deer, turkey, and resident and migratory birds. Hikers, birders, and mountain bikers will be able to explore the area, and possibly catch a glimpse of a majestic 200 year old oak tree.

Protection of this forest also contributes to maintaining clean drinking water for Pittsburgh region's residents. Located within the lower Youghiogheny River Watershed, the property is five miles upstream from the confluence with the Monongahela River. Revenue generated from the sale of carbon credits will be put towards acquisition costs, land stewardship, and future expansion of this and other conservation lands.

Recent media coverage highlighted the Project's rainwater interception benefits in a flood-prone area and the recreational opportunities that have been preserved in an area that was slated for development.

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Evergreen and East End Preservation

Credits available: 1,500

Project Operator: Enrichmond Foundation

Location: Richmond, VA

Project type: Preservation

Estimated quantified impacts:

- Rain interception: 11,512 m^3/year, $30,112 per year
- Air quality: 1.75 tons/year, $4,078 per year
- Energy – cooling (electricity): 89,877 kWh/year, $6,821 per year
- Energy – heating (natural gas): 42,373 kBtu/year, $440 per year

PROJECT DESCRIPTION

The 65-acre project area comprises two adjacent historic African American burial grounds founded in the 1890s in the East End of Richmond, VA. Together, the two cemeteries provide a resting place for over 25,000 individuals who contributed in important ways to the city's – and the nation's – vibrant social, political, intellectual, and religious life. UNESCO has recognized the value of this sacred site and awarded an official designation as "a site of memory associated with the Slave Route Project"— the first in the U.S.

After decades of neglect, volunteers began chipping away at recovering both cemeteries and created a plan to restore and protect the forested site. Evergreen and East End cemetery serve as a powerful monument to black achievement, community life, and family bonds. The Project has been recognized in the New York Times for its environmental and cultural significance.

Enrichmond Foundation hosts weekly volunteer cleanups at Evergreen Cemetery and organizes public community input sessions. The Executive Planning and Review Team advisory board guides the long-term restoration process and is composed of local stakeholders including descendant family members, long time volunteers, and representatives from African American historical and cultural institutions.

PayPal, as part of a $535 million commitment to support Black and underrepresented businesses and communities, has purchased some of the Project credits. The revenue from the sale of credits will provide additional long-term funding to support volunteer events, maintenance, and rehabilitation efforts.

Harvey Manning Park Expansion Project

Credits available: 8,165

Project Operator: City of Issaquah

Location: Issaquah, WA

Project type: Preservation

Estimated quantified impacts:

- Rain interception: 9,161 m^3/year, $23,961 per year
- Air quality: 1.55 tons/year, $3,652 per year
- Energy- cooling (electricity): 77,086 kWh/year, $5,850 per year
- Energy - heating (natural gas): 37,559 kBtu/year, $390 per year

PROJECT DESCRIPTION

The goal of the City of Issaquah's Harvey Manning Park Expansion project is to protect Issaquah's forested hillsides, connect residents to nature, and to preserve contiguous forest on Cougar Mountain. The project site is part of the forested "Issaquah Alps" comprised of Tiger, Squak and Cougar Mountains, that rise above Lake Sammamish, and connect to other public lands. The site is uniquely positioned in Issaquah city limits, the region's urban growth boundary and the Mountains to Sound Greenway National Heritage Area corridor.

In 2017, a development application for 57-lot residential subdivision was submitted to the City. Save Cougar Mountain, the Issaquah Alps Trails Club and community members attended City Council meetings to express concerns over the deforestation and other impacts the development would have to Cougar Mountain's forest, streams, and wetlands. With an active development proposal on the project site, and growing public pressure, the City Parks Dept partnered with The Trust for Public Land and King County to purchase the project site for preservation. The City of Issaquah acquired 33.53 acres (six parcels) while King County acquired 12.5 acres (one parcel).

This preservation project has remained relatively undisturbed since 1936 and contains a mature mixed evergreen-deciduous forest with riparian and wetland habitat that support wildlife corridors on Cougar Mountain and protects cool freshwater streams that feed Tibbetts Creek, a salmon-bearing waterway and tributary to Lake Sammamish. Additionally, the project preserves native forest, upholds the ecological viability of the project site, contributes to the City's 51% tree canopy coverage, promotes carbon storage, provide stormwater benefits and will remain protected in perpetuity. The revenue from the sale of credits is intended to provide funding for the City's Green Issaquah program supporting urban forest health through invasive management and restoration efforts.

Kendall County/Fox River Bluffs Planting Project

Credits available: 567

Project Operator: Chicago Region Trees Initiative/Kendall County Forest Preserve District

Location: Yorkville, IL

Project type: Planting

Estimated quantified impacts: Not currently available

PROJECT DESCRIPTION

Kendall County Forest Preserve District (the "District") planted trees on 60 acres of the Fox River Bluffs Forest Preserve as part of a project to restore agricultural land to native Illinois prairie. The District and community volunteers planted 28,700 trees including six Oak species, Shagbark hickory and Black walnut native trees and 2,300 shrubs. The District also cleared invasive species along the woodland edges, and broadcast additional woodland edge seed mix to further improve habitat quality and plant community diversity. A floristic quality study with long-term management recommendations was also completed in 2020.

Fox River Bluffs is considered public open space for passive recreational use by hikers, birdwatchers, and volunteers participating within scheduled natural area management work days. Significant public access improvements will be completed in 2022 which will include a public parking area and initial trail system.

Key benefits of the project include:

- Conversion of 60 acres of agricultural lands to tree and shrub cover.
- Restoration of natural area and establishment of native Illinois prairie.
- Removal of invasive shrub and tree species, and enhanced woodland edge plant community diversity.
- Establishes habitat (forage and cover) for the federally endangered Rusty Patched Bumble Bee (*Bombus affinis*)
- Provides forage and cover for a host of local pollinating and other wildlife species.
- Expands habitat and wildlife corridor connections between Hoover Forest Preserve to the State of Illinois – Illinois Department of Natural Resources' Silver Springs State Park.
- Provides atmospheric carbon sequestration to address global climate action strategies.
- Provides public access to local recreation and expanded nature-based education opportunities and experiences.

King County Urban Forest Preservation 2019

Credits available: 265

Project Operator: King County Dept of Natural Resources & Parks

Location: Sammamish, WA

Project type: Preservation

Estimated quantified impacts: Not currently available

PROJECT DESCRIPTION

Launched in May 2019, King County is the first local government in the country to offer a carbon credit program that protects city trees and urban forested areas. King County's Forest Carbon Program confronts climate change by offering local companies the opportunity to offset their carbon emissions by keeping forests intact in the region, making it possible for their employees and their families to explore and enjoy the protected outdoor spaces.

The Puget Sound region, including the Seattle metro area, is growing rapidly. The Forest Carbon Program is a component of the Land Conservation Initiative, a 30-year vision to protect 65,000 acres of the most important remaining natural lands and urban green spaces for residents of the region.

King County has identified 1,500 acres of high-value urban forest to be preserved and will be acquiring lands with its city partners throughout the coming years. The first acquisition in 2019 was a 15-acre addition to Soaring Eagle Regional Park near Sammamish, WA.

Program goals include:

- A cleaner urban environment
    - Improve urban air quality, reduce stormwater runoff, and enhance water quality in local rivers, lakes, and Puget Sound.
- Sustaining salmon and wildlife
    - Protect critical salmon habitat and preserve corridors for remaining elk, bears, and other wildlife in an increasingly fragmented, paved-over landscape.
- Healthy communities
    - Provide our communities with the diverse physical and mental health benefits of greenspace. The Initiative aims to improve our communities' access to spaces to gather, relieve stress, and relax – and spaces where our children can play and learn outdoors.

Lake County Forest Preserve 2021 Project

Credits available: 681

Project Operator: Chicago Region Trees Initiative/Lake County Forest Preserve District

Location: Lake County, IL (Chicago)

Estimated quantified impacts:

- Rain interception: 17,164 m^3/year, $122,878.15 per year
- Air quality: .1478 tons/year, $1,221.78 per year
- Energy – cooling (electricity): 99,737.36 kWh/year, $7,570.07 per year
- Energy – heating (natural gas): 1,458,083.74 kBtu/year, $14,194.05 per year

PROJECT DESCRIPTION

The project seeks to restore natural oak ecosystem types to historically altered or degraded lands (due to forest clearing and conversion of natural areas to agricultural use) to achieve the following:

- reduce habitat fragmentation
- restore oak ecosystem connectivity
- enhance wildlife habitat
- provide significant ecosystem services
- increase the natural and urban tree canopy and
- improve the aesthetic quality of the preserve lands.

Over the course of three years, the Forest Preserve will plant approximately 3000-4000 native tree species per year to address the long-term decline of oak ecosystems in Lake County. The Forest Preserve on an annual basis purchases one-inch root-bagged native tree species and installs them at various preserves. For this project, trees will be planted at seven locations across the 300,000 acre county. This effort is part of a long-term commitment by the Forest Preserve to recover the loss of 87% of oak ecosystems since the 1830s.

Pierce Conservation District Reforestation Project- 2021

Credits available: 463

Project Operator: Pierce Conservation District

Location: Pierce County, WA

Project type: Planting

Estimated quantified impacts:

- Rainfall interception: 19,564.50 m^3/year, $143,629.69 per year
- Air quality: 0.6728 tons/year, $1,484.95 per year
- Energy – cooling (electricity): 201,909.88 kWh/year, $10,337.79 per year
- Energy – heating (natural gas): 614,474.39 kBtu/year, $6,994.98 per year

PROJECT DESCRIPTION

Pierce Conservation District (the "District") is a natural resource agency working to protect and conserve the natural resources of Pierce County for over 70 years. One of the focus areas for the District is creating barrier-free watersheds that have the conditions to sustain wild salmon by 2040. Forested riparian corridors are essential habitats for both rearing and spawning federally endangered and threatened salmon.

Located in a major population center in Central Puget Sound, the rapidly urbanizing area is in need of restoration to remove invasive species and replant with native trees and shrubs. Each year, the District restores approximately 100 acres of riparian habitat and plants about 20,000 trees and shrubs.

Thousands of acres of riparian corridors in Pierce County need restoration with 6,668 acres identified in public ownership for reforestation under this initiative. Our work focuses on restoring key riparian corridors by removing invasive species and planting trees and shrubs to sustain healthy ecosystems and provide recreational opportunities for people.

Reforesting Cedar Rapids 2021

Credits available: 200

Project Operator: Trees Forever

Location: Cedar Rapids, IA

Project type: Planting

Estimated quantified impacts:

- Rain interception: 4,886 m^3/year, $34,978 per year
- Air quality: 0.155 tons/year, $721 per year
- Energy – cooling (electricity): 154,616 kWh/year, $11,735 per year
- Energy – heating (natural gas): 2,271,401 kBtu/year, $22,111 per year

PROJECT DESCRIPTION

Trees Forever is a non-profit with a three-decade history of success in Iowa. Approximately 930 trees will be planted in publicly owned areas around the City of Cedar Rapids. The primary focus will be to plant trees along city streets in the right-of-way. Some trees will be planted in city parks.

In 2019 the organization launched Growing Futures, a youth-centered worker program, to address critical social, economic, and environmental needs in Iowa's two largest cities, Cedar Rapids and Des Moines. In partnership with both city governments and sponsors such as TransAmerica, Alliant Energy, and Microsoft, Growing Futures uses a thoughtfully designed and hands-on approach to give Iowa's young people needed workplace skills and open doors for them to green careers while, of course, planting more trees. The collaboration engages youth of diverse backgrounds to focus their work on under-resourced communities that lack tree cover and grow a tree canopy that provides real and lasting benefits for generations to come.

Growing Futures is, we believe, one of the first programs of its kind in the country to couple carbon credits, quantified ecosystem benefits, and the social and economic benefits of youth engagement and workforce development in an urban setting. Trees for this project will be planted by Growing Futures teens and community volunteers and will improve the quality of life in each of the planting areas.

Reforesting Des Moines 2021

Credits available: 296

Project Operator: Trees Forever

Location: Des Moines, IA

Project type: Planting

Estimated quantified impacts:

- Rain interception: 7,225 m^3/year, $51,725 per year
- Air quality: 0.232 tons/year, $1,703 per year
- Energy – cooling (electricity): 231,342 kWh/year, $17,559 per year
- Energy – heating (natural gas): 3,384,496 kBtu/year, $32,947 per year

PROJECT DESCRIPTION

Trees Forever is a non-profit with a three-decade history of success in Iowa. Approximately 1,390 trees will be planted in publicly owned areas around the City of Des Moines. The primary focus will be to plant trees along city streets in the right-of-way. Some trees will be planted in city parks.

In 2019 the organization launched Growing Futures, a youth-centered worker program, to address critical social, economic, and environmental needs in Iowa's two largest cities, Cedar Rapids and Des Moines. In partnership with both city governments and sponsors such as TransAmerica, Alliant Energy, and Microsoft, Growing Futures uses a thoughtfully designed and hands-on approach to give Iowa's young people needed workplace skills and open doors for them to green careers while, of course, planting more trees. The collaboration engages youth of diverse backgrounds to focus their work on under-resourced communities that lack tree cover and grow a tree canopy that provides real and lasting benefits for generations to come.

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The Project has received favorable press in the New York Times recently for its job training, social justice, environmental and economic benefits.

Sandy Cross Forest Preserve

Credits available: 8,642

Project Operator: Western Reserve Land Conservancy

Location: Mansfield, OH

Project type: Preservation

Estimated quantified impacts:

- Rain interception: 63,888 m^3/year, $135,034 per year
- Air quality: 4.429 tons/year, $10,929 per year
- Energy – cooling (electricity): 193,049 kWh/year, $27,046 per year
- Energy – heating (natural gas): 7,977,116 kBtu/year, $111,570 per year

PROJECT DESCRIPTION

Western Reserve Land Conservancy ("the Land Conservancy"), a nonprofit accredited land trust based in northeast Ohio, has protected over 60,000 acres across 24 counties of northern and eastern Ohio. Through its Reforest Our City program, the Land Conservancy has partnered to plant and distribute 15,000 trees since 2015.

The Sandy Cross Forest Preservation Project ("the Project") is a 132-acre area on a 214-acre property in the Mansfield metro area. The Land Conservancy is seeking to preserve the Project, creating substantial conservation and community benefits including carbon sequestration, wildlife habitat, and open space protection.

Preservation of the Project is important as intact forests of this size are becoming increasingly rare in Richland County due to agricultural development and urban expansion. Indeed, surrounding forested land is being rapidly converted into agricultural land and is facing a continued threat of urban expansion from the adjacent Village of Lexington.

The Project contains a diverse, 85-year forest including American beech, sugar maple, red oak, white oak, and tulip poplar. Preservation of this forest will offer the residents of Northeast Ohio a wide variety of community and conservation benefits, including:

- Improve equitable access to greenspace for underserved communities
- Increase valuable open space
- Human health and well-being
- Critical bird and wildlife habitat

St. Elmo Preservation Project

Credits available: 8,715

Project Operator: Lookout Mountain Conservancy

Location: Chattanooga, TN

Project type: Preservation

Estimated quantified impacts:

- Rain interception: 9,161 m^3/year, $23,961 per year
- Air quality: 1.55 tons/year, $3,652 per year
- Energy - cooling (electricity): 77,086 kWh/year, $5,850 per year
- Energy - heating (natural gas): 37,559 kBtu/year, $390 per year

PROJECT DESCRIPTION

Lookout Mountain Conservancy is focused on protecting the scenic, historic, and ecological resources of Lookout Mountain through conservation and advocacy while creating a safe space for community recreation for current and future generations. The St. Elmo Preservation Project began as an effort to simply connect the Guild-Hardy and St. Elmo trails but turned into a community-wide effort to preserve forested land at risk of development.

Lookout Mountain is one of the most biologically diverse and critically imperiled ecoregions in the world stretching 90+ miles across three states: Tennessee, Alabama, and Georgia. The 58 acre oak-pine forest is situated between the Chickamauga & Chattanooga National Military Park and the historic St. Elmo neighborhood. By protecting this property, the Conservancy ensures connectivity between habitat corridors and provides essential wildlife habitat for several species including eastern box turtles, red tailed hawks, black bears, and spotted salamanders. Additionally, this project helps further recreation opportunities for all residents by linking St. Elmo at the base of the mountain to the existing trail system.

The Conservancy partners with a local high school, The Howard School, to provide employment and scholarship opportunities for at risk teens. The interns learn about ecological conservation while building skills for their future and are primarily responsible for helping to maintain and restore forested areas.

The property is an invaluable environmental asset of the local community as well as the tri-state region and will provide natural beauty and recreation for all. The revenue from the sale of credits will provide additional funding to support our conservation efforts and the continued work of our intern and leadership program.

T.C. Jester Riparian Restoration Project

Credits available: 502

Project Operator: City of Houston- Parks and Recreation

Location: Houston, TX

Project type: Planting

Estimated quantified impacts:

- Rain interception: 53,797.29 m^3/year, $85,981.04 per year
- Air quality: 0.7075 tons/year, $804.32 per year
- Energy – cooling (electricity): 537,945.75 kWh/year, $50,238.75 per year
- Energy – heating (natural gas): 1,050,997.46 kBtu/year, $12,501.04 per year

PROJECT DESCRIPTION

The City of Houston launched a 10-year initiative to restore forested riparian buffers in all city parks adjacent to waterways. City of Houston staff, partners, and volunteers will restore more than 1,000 acres of habitat across 70 city parks, with an installation of more than 200,000 native trees. This initiative fulfills goals identified in the City's recently released Climate Action Plan, specifically to implement nature-based solutions that increase carbon storage.

The T.C. Jester Riparian Restoration Project resulted in an installation of 3,000 trees along White Oak Bayou. The project converted 7.70 acres of mowed park land into diverse forested habitat with a mix of 22 native species of trees that will help to increase canopy cover, sequester carbon, and provide public access benefits to all residents. The reforestation will provide habitat for local and migratory wildlife utilizing Houston's riparian corridors and will improve the water quality of the adjacent waterway.

Travis County Floodplain Reforestation

Credits available: 100

Project Operator: TreeFolks

Location: Travis County, TX (Austin)

Project type: Planting

Estimated quantified impacts:

- Rain interception: 13,356.10 m^3/year, $34,933.95 per year
- Air quality: 2.2890 tons/year, $5,400.17 per year
- Energy – cooling (electricity): 113,415 kWh/year, $8,608.18 per year
- Energy – heating (natural gas): 55,469 kBtu/year, $576.34 per year

PROJECT DESCRIPTION

TreeFolks, Austin Office of Sustainability, Austin Watershed Protection Department, and Travis County launched the Travis County Floodplain Reforestation Program in 2019 to restore healthy forest buffers of local rivers and streams in eastern Travis County. The program aims to reforest floodplain on public and private lands. TreeFolks works with volunteers and professional planting crews to provide free reforestation services to landowners. The majority of the Carbon+ credits generated from this project will be sold to the City of Austin to help meet the city's 2020 carbon neutrality goal.

Planting trees will increase canopy cover and diversity in an ecosystem that needs help. The City of Austin Watershed Protection Department recently concluded that diverse wooded corridors along creeks and riparian zones are rare. The reforestation project also serves to engage local community members with the environment, complementing Austin's participation in the Biophilic Cities Network and the Children and Nature collaborative, and aligning with citywide green infrastructure efforts. Reforesting Austin's local stream corridors will create lasting change, both within the city limits and across eastern Travis County floodplains.

Treasure Valley Parks Project

Credits available: 90

Project Operator: Treasure Valley Canopy Network

Location: Boise and Nampa, ID

Project type: Planting

Estimated quantified impacts:

- Rain interception: 3,554.44 m^3/year, $7,324.09 per year
- Air quality: 0.1336 tons/year, $2,631.18 per year
- Energy – cooling (electricity): 132,559.90 kWh/year, $15,456.48 per year
- Energy – heating (natural gas): 616,025.76 kBtu/year, $7,666.05 per year

PROJECT DESCRIPTION

The Treasure Valley Municipal Parks Project is a partnership between the Treasure Valley Canopy Network (Network) and cities of Boise and Nampa. Located at the heart of Idaho's Treasure Valley, this is one of the fastest growing metropolitan areas in the United States. Our cities are committed to building healthy and vibrant public spaces for all citizens to enjoy.

This project will plant approximately 695 trees in eleven municipal parks throughout the Treasure Valley. Treasure Valley communities value our parks and open spaces as key assets to support a healthy environment and healthy people, with public access to all residents. As our population grows, we are faced with declining air and water quality, increasing levels of obesity and income disparity among our population. The trees will provide residents of various socioeconomic categories with recreational opportunities resulting in healthier environments and people.

This project is the first pilot in the Treasure Valley City Forest Credits Program, administered by the Treasure Valley Canopy Network. As the Network continues to build collaborative partners and planting projects, we anticipate many more opportunities for financial support of our regional program.

Exhibit 3

City Forest Credits Background and Protocols

City Forest Credits has developed first-ever carbon crediting and certification of the equity and health impacts of city forest projects to connect local tree planting and preservation projects with private-sector funding for our declining, poorly funded, and inequitably distributed metropolitan forests. The following describes the carbon crediting work of City Forest Credits. Further detailed information is available upon request.

City Forest Credits

City Forest Credits (CFC) is a 501(c)(3) non-profit corporation established in 2015 and licensed under the laws of the state of Washington in the United States. It has been recognized for creating a voluntary carbon market for urban trees in publications ranging from The New York Times to Bloomberg.[14]

CFC Protocols

CFC serves as a standard for only one sector of carbon - the carbon stored in forests and trees in metropolitan areas. CFC has developed two methodologies or protocols through the work of a national Protocol Drafting Group. One protocol is a Preservation Protocol, modeled after the avoided conversion or avoided emissions protocol in forestry. The other protocol is a Planting Protocol governing newly planted trees. The Preservation Protocol is posted on the CFC website. The Planting Protocol is also posted on the CFC website. The Planting Protocol includes Appendices A through D.

CFC developed the urban forest carbon protocols after discussions with urban forest experts about the challenges in the sector as well as experiences in California over the past decade.

Background on Previous Urban Forest Carbon Protocol Efforts

In 2011, the State of California's Air Resources Board (ARB) adopted an urban forest carbon protocol. Despite the efforts of that drafting group, the protocol was acknowledged to contain some flaws and also to be too costly and burdensome to be implemented on the ground. In the 10 years since adoption, it has not had any applicants.

In 2013, the State of California awarded a grant to the Climate Action Reserve (CAR) to develop a more streamlined and feasible urban forest protocol. CAR adopted a planting protocol and a canopy-related management protocol in 2014. But these protocols were unwieldy, have not

[14] Leahy, I. and Serkez, Y., Since When Have Trees Existed Only for Rich Americans, New York Times, June 30, 2021 (https://www.nytimes.com/interactive/2021/06/30/opinion/environmental-inequity-trees-critical-infrastructure.html). Maria Dolan, Carbon Offsets for Urban Trees are on the Horizon, Bloomberg, August 18, 2018 (https://www.bloomberg.com/news/articles/2018-08-28/why-cities-are-piloting-carbon-credits-for-urban-trees)

had any applicants since adoption in 2014, and have resulted in protocols that are not being used. Recognizing this, the State of California ARB did not even begin a review process for adoption of the CAR 2014 protocols.

These two early drafting efforts in 2011 at ARB and in 2013 at CAR brought together new resources and provided many learning experiences. But it was the practical failure of these protocols that led to the formation of CFC and the development of its protocols. Informal discussions with the American Carbon Registry and Verra also made it clear that those registries were not interested in urban forest carbon. The lenses of these three large registries have been focused primarily on carbon storage. While it is true that the amount of creditable CO_2 in the urban forest cannot match that of rural and wildland forests, city forests are public resources that provide many public climate action benefits beyond CO_2 storage, from ecosystem benefits to social, equity, health, and economic benefits.

Urban Forest Carbon Significance

Urban forest scientists and professionals have documented the many climate and other benefits of city forests.[15] These impacts include equity, human health, stormwater reductions, energy savings, and air quality improvements - all delivered directly to concentrated populations of humans. Almost 80% of the population worldwide lives in metropolitan areas or in cities and towns, and urbanization is a significant demographic trend of the 21st century.[16] The climate, ecosystem, and social benefits of urban forests flow directly to the people and communities who live and work in cities and towns. The city forest carbon offsets would be analogous to rare earth minerals – lower in volume but extremely valuable.

The only path to bringing the public resource of urban forests to the carbon markets lay in a specialized standard, methodologies, and a registry developed by people with experience in both carbon and urban forestry. Thus was born City Forest Credits and its diverse stakeholders donating their time to develop the City Forest Credits standard and Protocols.

CFC Protocol Drafting Group

The CFC Protocol Drafting Group consisted of 14 members drawn from many subject fields of urban forestry and climate as well as most regions of the United States. A list of the members is posted on the CFC website.

One of the co-lead scientists on the CFC Protocol Drafting Group, Dr. E. Greg McPherson, has extensive experience with urban forest protocols. He led the science team on the 2011 California ARB urban forest carbon protocol. And he also led the science team on the CAR urban forest protocols in 2013-2014. His professional experience is further described on the CFC website.

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[15] Conniff, R, U.S. Cities Lose Tree Cover Just When They Need it Most, Scientific American, May 7, 2018

[16] Nowak, D.J. and Greenfield, E.J., U.S. urban forest statistics, values, and projections. J. For. 116, 164-177 (2018).

Four members of the City Forest Credits Protocol Drafting Group also served on the protocol work group for the CAR protocols in 2013-2014, gaining significant insight into protocol development, eligibility, the principles of rigorous protocols, and the role played by a registry in protocol development.

The co-lead scientist on the City Forest Credits Protocol Drafting Group, Dr. Gordon Smith, has over 25 years' experience in forest GHG accounting, protocol development, and verification. He was the Director of Forest Programs at the Environmental Resource Trust before it became the American Carbon Registry, has worked as a verifier on multiple major offset systems, and has accredited verifiers. This experience with actual projects and protocols was used to inform the design of City Forest Credits protocols to strengthen the CFC credits and ensure that quantification of credits is reliable, while at the same time streamlining where possible to reflect the public nature of urban forests, the social, equity, and health impacts of city forests, and the policy arguments in favor of urban forest carbon crediting.

All members of the Protocol Drafting Group served voluntarily and without compensation, devoting hundreds of hours to the development of the two protocols. Members ranged from the Climate Program Manager for the City of Austin, Texas to representatives from American Forests, utilities, land trusts, non-profit tree and conservation organizations, and watershed protection organizations.

CFC has updated the protocols nine times since 2016 to reflect lessons learned as the protocols are being implemented through the first urban forest carbon projects in the world. Staff from Natural Capital Partners, South Pole Group, and Bluesource have provided detailed review and comment at various stages of protocol development.

The Executive Committee of the International Carbon Reduction and Offset Alliance (ICROA) in Geneva voted to review the CFC protocols for endorsement as meeting ICROA's Code of Best Practices. ICROA endorsement confers global credibility. ICROA and CFC are in the midst of ICROA review in a lengthy and iterative process. CFC hopes to have a final determination in early to mid-2022.

Protocol and Credit Description

Preservation Protocol

The Preservation Protocol is an avoided emission or avoided conversion protocol. CFC has a 40-year Preservation Protocol and a 100-year Preservation Protocol. The Protocol contains a detailed description of the requirements, including quantification. Here is a short summary of the key requirements. Credits are issued only when:

- a forested parcel of land is zoned for some non-forest use
- the trees on the parcel are not protected
- the trees face one of three risks of removal

  - the parcel is surrounded on its perimeter by more than 30% improved or developed uses; or
  - the land was sold or assessed within three years at greater than $10,000 per acre; or
  - an appraisal shows that the parcel when developed to its highest and best use would be greater than its value in forest
- the trees are protected by a recorded encumbrance for at least 40 years or 100 years (there is a 40-year protocol and a 100-year protocol
- CO_2 is quantified per a five step process that contains deductions for land that would not have been converted out of forest had the property been developed and also for leakage (displaced development)
- The project is validated by CFC and receives third-party verification

CFC deducts 10% of potentially issuable credits from all Preservation Projects before issuance and retains those in a program-wide Registry Reversal (Buffer) Account for involuntary reversals. Credits are issued after the biomass is protected via a recorded encumbrance protecting the trees. Issuance is phased or staged over 1 and 5 years at the equivalent of 50 aces of crediting per year. This staged issuance reflects the likely staging of development over time if the project area were to have been developed. The 1 to 5 year staging period reflects that city forest preservation parcels are relatively small by rural forest standards. The largest parcel credited to date is 125 acres. Urban land is also cleared and graded as soon as permitted, so that land developers can "vest" their rights and install water, sewer, and other infrastructure. Additional growth must be quantified and verified before any credits can be issued for that additional growth. It is worth noting that a city park that is small by rural forest standards, and that would have been rejected as too small by a forest carbon developer before it became a park, becomes extraordinarily valuable to a city over time, as many examples such as Central Park and parks in global cities attest.

Please note:

- All Preservation credits are ex post and issued only after the biomass is protected.
- All credits in the national RFP are 100-year credits.
- Approximately 91% of the credits in the national RFP are ex post Preservation credits.

Planting Protocol

The Planting Protocol is an afforestation/reforestation protocol, adapted to the unique circumstances of urban forestry. Development of the Planting Protocol recognized that urban forestry and its potential carbon projects are different than virtually all other types of carbon projects:

- City forests are essentially public resources, producing benefits far beyond the specific piece of land upon which individual trees are planted and giving access to nature to millions of city residents

- New tree planting in urban areas is almost universally done by non-profit entities, cities or towns, quasi-governmental bodies like utilities, and private property owners
- Urban trees are not merchantable, are not grown for harvest but for their social and environmental benefits, and generate no revenue or profit
- Because urban forest projects take place in cities and towns, they are highly visible to the public and easily visited by carbon buyers. This contrasts with many rural forest carbon projects that are in more remote areas or in developing countries

The Planting Protocol and its Appendices contain much more detail, but here is a very brief summary of key elements in the Planting Protocol:

- All credits represent trees planted
- Project Duration is 25 years
- Permanence is protected by the 25-year project duration requirement and by reversal mechanisms that require projects to compensate for voluntary reversals and a program-wide reversal pool of retained credits to cover involuntary reversals
- Additionality is protected by:
    - A legal requirements test (trees required by a law or ordinance cannot be credited
    - A performance standard baseline, program-wide, developed with data from peer-reviewed urban forest scientists and per the methodology set out in the foundational carbon protocol document the World Resources Institute/World Business Council for Sustainable Development Greenhouse Gas *Protocol for Project Accounting* (2008), which describes greenhouse gas ("GHG") project accounting principles
    - The 25-year project duration commitment. This imposes an additional maintenance obligation for crediting that is far beyond business-as-usual urban forest maintenance, which is often not at all or for the first several years of a tree's life

Ex ante planting credits converting to ex post at Year 26
Documented loss of tree cover across U.S. cities testifies to the lack of municipal funding for city forests. Urban forest planting projects cannot wait for 25 years to receive carbon revenue.

The CFC Protocol Drafting Group and City Forest Credits have been aware from the beginning that ex ante credits are disfavored due to a higher risk of intentional reversal and potential unsubstantiated claims to an offset. These risks are very real in most carbon projects, particularly those with for-profit owners or developers.

But ex ante crediting for city forests entails significantly less risk than rural forest carbon projects. The reason is simple but profound: city forests are planted for the sole purpose of providing social and environmental benefits through tree survival. They are not planted for harvest or profit. No city forest project owner will face the economic temptation partway

through a project to cut the trees down to reap a harvest profit. No city forest project will increase a harvest rotation to earn credits.

Rural forest owners constantly weigh harvest revenues against carbon revenues, and there is a structural misalignment between the economic drive for tree removal for harvest and tree survival for carbon crediting. But with city forests, there are no harvests. Carbon is the only way to monetize the city trees. So city forests are aligned with carbon crediting, and risks of ex ante crediting are reduced – both the projects and the crediting seek long-term survival of the trees and forest.

In addition to the reduced risk described above, the Protocol Drafting Group developed mechanisms to issue credits at four different times with mortality checks and third-party verification at each stage. Three of these are ex ante issuances, and the ex ante credits convert, as quantified and verified at Year 26, into ex post credits after final quantification at Year 26.

Here are the safeguards built into the planting credit issuance:

Year 1: after planting and deduction of 5% of projected credits for a Registry Reversal account, and third-party verification, CFC will issue 10% of projected credits. CO_2 storage over 25 years is projected by a methodology developed by Dr. E. Greg McPherson, who led the science team for the ARB protocol in 2011 and the CAR protocol in 2013. His methodology is described in detail in Appendix B to the Planting Protocol.

Year 4: after three full years of growth, projects must check mortality of trees via sampling or imaging. Then, after deductions for mortality and 5% of credits for the reversal account, and another third-party verification, CFC will issue credits for 40% of projected CO_2 storage over 25 years.

Year 6: after five full years of growth, projects must check mortality of trees via sampling or imaging. Then, after deductions for mortality and 5% of credits for the reversal account, and another third-party verification, CFC will issue credits for 30% of projected CO_2 storage over 25 years.

Year 26: after 25 years of growth, projects must conduct a full quantification of CO_2, including via sampling and DBH (for Single Trees planted in a dispersed manner, like street trees), or imaging (if a canopy generation project). After another third-party verification, CFC issues final project credits that "true-up" or reconcile forward or ex ante credits issued with the final quantification. All credits earned and verified are then marked as ex post credits.

Thus 20% of projected credits are held back until Year 26, incentivizing projects to maintain project trees. For all projects using the Single Tree quantification method, the projected credits are calculated with an up-front 20% mortality deduction taken before any credits are issued. A second quantification method used for larger-scale riparian plantings, where high mortality is

expected, and the goal is generation of canopy and a forest ecosystem, no mortality deduction is used. These projects are assessed by canopy coverage, not individual tree survival.

Note that approximately 9% of the credits in the national RFP are first-year ex ante planting credits. These will convert to ex post credits at Year 26, based on quantification of CO_2 at that time.

Criticism of Other Protocols and Rural Forest Projects

Several recent articles have criticized some forest offset projects. The methodologies criticized in those pieces are not used by CFC. For example, Bloomberg published a piece highly critical of offsets developed by The Nature Conservancy on forest land in the U.S. Those projects used an Improved Forest Management (IFM) protocol, which allows crediting on existing forested land that could be harvested. The Bloomberg article focused on forested land in Pennsylvania that received IFM credits on forested land that was highly unlikely ever to be harvested.

CFC does not use an IFM protocol. Nor does CFC select or allow projects to select a physical area that serves as a reference area for rates of deforestation. These selected reference areas have been criticized for not being representative of deforestation rates in the project areas but are not relevant for CFC protocols.

Carbon+ Quantification

CFC scientists developed quantification methods that can demonstrate the unique value of credits in cities. Projects quantify not only CO_2 but also these ecosystem co-benefits in Resource Units and avoided costs in dollars:

- Rainfall interception (a component of stormwater) in cubic meters
- Energy savings in kWh/yr and kBTUs/yr
- Avoided CO_2 in t/yr in metric tons
- Air quality improvement in tons/yr of O3, NOx, PM10, and net VOCs.

The City Forest Carbon+ Credits are among the few credits in the world that include quantified ecosystem services.

Validation and Third-Party Verification

All projects are validated by CFC and verified by a third-party verifier (see more information below). When the Verification Report is completed, CFC can issue credits under the schedule contained in the Verification Report. All credits are issued with a unique serial number and tracked from creation to retirement in a secure web-based database ledger.

CFC conducts a pre-validation screening with each project prior to submittal of an application. This informal pre-validation confirms eligibility under the relevant protocol requirements and the Project Operator's understanding of the commitments it must make if it proceeds with the

project. These commitments include submitting project documents, quantifying carbon dioxide and ecosystem co-benefits according to the appropriate methodology, conducting monitoring and reporting for the Project Duration, and signing a project implementation agreement with CFC. Preservation Protocol, Section 11.3; Planting Protocol, App. C at Section 2.

When a Project Operator submits a Project Design Document ("PDD") and requests credits, City Forest Credits conducts a second validation by reviewing the PDD and its supporting documents to ensure that it is complete and comports with the protocol's PDD and protocol eligibility requirements. *See* Preservation Protocol, Section 11.3; Planting Protocol, App. C at Section 2.

CFC then transmits the PDD and supporting documents to the accredited, independent third-party verifier. CFC retains the third-party verifier to guard against conflicts of interest when the verifier is paid by the Project Operator. The cost of third-party verification is passed to the Project Operator as part of its fees to CFC, but the contractual obligations of the verifier remain with CFC.

When the third-party verifier produces its Verification Report, CFC then reviews that Report to ensure that it accurately reflects the documentation contained in the PDD and supporting documents. Only then will the Verification Report be accepted by City Forest Credits and posted. Credits may then be issued under the schedule contained in the Verification Report. Preservation Protocol, Section 11.3; Planting Protocol, App. C at Section 2.

All projects must receive third-party verification and a Verification Report before CFC will issue credits. CFC currently has approved two independent third-party verifiers and is recruiting more as more projects are submitted for crediting.

Third party verifiers must have a background in forestry or urban forestry practices and science, as well as experience in forestry or urban forestry. They must also be trained by CFC and demonstrate familiarity with CFC protocol requirements and quantification methodologies.

The third-party verifiers currently serving have Ph.Ds. in forestry, extensive experience in quantification of carbon and co-benefits, and have published peer-reviewed articles in their fields. Brief bios are posted on the CFC website with CVs available upon request.

September 14, 2021

Mr. David Guritz
Director
Kendall County Forest Preserve District
Kendall County, Illinois

Re: Engagement of McPherson Law

Dear Dave:

I am pleased to act as your counsel with the matters described below. This letter confirms the terms of our engagement.

BASIC TERMS OF ENGAGEMENT

I will act as counsel to the Kendall County Forest Preserve District, Kendall County, Illinois ("Kendall County FPD" or "you") solely in connection with review and negotiation of an agreement to purchase carbon credits in connection with the city forest carbon project national RFP process (the "Carbon Sale Project").

Identification of Client

I have been engaged to undertake the representation of Kendall County FPD and only Kendall County FPD. Unless specifically agreed to in writing, I have not been retained to represent, and do not have an attorney-client relationship with: (i) any officer, director, employee or agent of Kendall County FPD; (ii) any parent, subsidiary, or other affiliate of Kendall County FPD that is not a wholly-owned subsidiary or affiliate, directly or indirectly, of Kendall County FPD; or (iii) any partnership of which Kendall County FPD is a partner (general or limited) or any joint/multiple venture or unincorporated association of which Kendall County FPD is a member.

Fee and Billing Matters

While my fees are typically determined on the basis of the amount of time devoted to the engagement, my total compensation for 1) this engagement, 2) representation of other parties to which you consent in connection with the Carbon Sale Project, and 3) for the related business advice in connection with the planning, execution and completion of the Carbon Project Sale will be 6% of the gross transaction value and will be payable by the buyer at the closing. "Gross transaction value" means (a) the total consideration paid or received or to be paid or received in the transaction plus (b) payments made in installments if any. If the parties do not enter into a definitive agreement, I will not receive any fee and my time will be considered a pro bono contribution to you.

Non-Professional Charges and Disbursements
You will also be responsible for charges for non-professional support services (such as document processing, photocopying and third-party fees for computerized research) and disbursements (such as postage, freight, or travel expenses) at their actual cost. I will obtain your advance approval before incurring any such expenses in excess of $50.00.

Joint Representation Agreement and Waiver
In addition to you, several other operators of city forest projects (the "Project Operators") are participating in the Carbon Sale Project. One or more of those Project Operators may request that I represent them in connection with the Carbon Sale Project. Because joint representations involve unique issues of conflicts of interest and confidentiality, I want to clarify the terms of our joint representation. By entering into this agreement, you acknowledge and agree to the following:

1. You and the other Project Operators each waive any objection to, or any possible conflict in, my joint representation of you in connection with the Carbon Sale Project, and each of you consent to my joint representation by entering into this engagement letter.

2. Each of you acknowledges and agrees that communications between me and any or all of you concerning the Carbon Sale Project will be treated by us as confidential and not disclosed to anyone other than us without consent of the other parties or as otherwise provided by law.

3. Each of you further acknowledges and agrees that whatever communications or information I receive from any one or more of you concerning the Carbon Sale Project may be shared with each of you as I deem appropriate. In particular, if I receive material information about any one of you related to the Carbon Sale Project from one of the others that I believe other Project Operators I represent should have in order to make decisions regarding its individual interests, I will share that information.

4. Each of you acknowledges and agrees that there exists the possibility that a conflict of interest may arise in the course of the joint representation. Each of you acknowledges and agrees that in the event a conflict of interest arises regarding the joint representation, then I may withdraw from the representation of the client who has created the conflict (the "conflicted client") and may continue to represent the other client or clients. In such event, the conflicted client understands that it would be responsible for obtaining its own legal representation and for the cost of that representation.

5. Each of you acknowledges and agrees that if I withdraw from representing one of the jointly represented clients, I may continue to represent the other remaining clients, even if such representation is contrary to the interests of the conflicted client.

6. In the unlikely event that you commence litigation against one another regarding the subject of the joint representation, you each understand that my advice to you and my prior communications with each of you during the joint representation may not be shielded from disclosure in such litigation.

In the event a conflict of interest arises regarding the joint representation, a court may nevertheless disqualify me from continuing my representation of any of you, notwithstanding the terms of this agreement.

I am advising you of these possibilities solely to comply with my ethical requirements and am not suggesting that you may have claims against one another.

Legal Advice in Your Jurisdiction

I am licensed to practice law in the State of California. I will not advise you on any matters of Illinois law and if such advice is required, you will be required to obtain that advice from an attorney licensed to practice in the State of Illinois.

Arbitration Rights

You may have a right to have disputes arbitrated pursuant to Section 6200 et seq. of the California Business & Professions Code.

Termination

Either of us may terminate this engagement at any time for any reason by written notice, subject on my part to applicable rules of professional responsibility. Upon termination of this engagement and unless otherwise specifically agreed in writing, my representation of you will end, and thereafter there will be no ongoing attorney-client relationship between you and me or obligations to advise you with respect to changes in law or other developments.

Governing Law

This Agreement shall be governed by and construed in accordance with the law of the State of California, without regard to conflict of law provisions that might provide for the application of the law of any other jurisdiction.

ADDITIONAL MATTERS

Electronic Communications and Storage

I will use electronic means of communication, among others. I also store data on local hard drives and on various third-party cloud storage platforms. These systems are vulnerable to interruption, corruption, hacking or collection by third parties without our consent, which could result in harm, including among other things, loss of attorney-client privilege and loss of confidential information. By signing this letter, you acknowledge the risks of such electronic storage and communications and

consent to their use. You further agree not to share personal data, as defined by state or federal statutes, with me.

Conflicts and Consents
I am not aware of any other representation that would preclude me from undertaking this engagement or adversely affect my ability to complete it. You are not aware of any information to the contrary.

You agree that, in matters unrelated to those in which I have been engaged by you, that is, in matters based on different transactions or occurrences from those in which I have been engaged by you, whether involving the same substantive area(s) of law for which you have retained me or some other unrelated areas(s), I may represent current or future clients in general or on specific matters where the interests of the parties are different from, inconsistent with, or adverse to, your interests, including in transactions, litigation or other proceedings ("Adverse Representations"). You consent to, and waive any objection with respect to such Adverse Representations, and agree that you will not assert that my representation of you in this or any other matter or my possession of confidential information obtained from you, provides a basis for disqualifying me from representing another party in an Adverse Representation or otherwise constitutes a breach of any obligation or duty that I may owe to you.

I confirm that I will not disclose or use any confidential information that I have obtained from you other than as stated herein without your prior consent and will not otherwise use or disclose any such confidential information in connection with any Adverse Representation.

Use of Information Obtained in Other Representations
It is possible that, in connection with its representations of other clients, I may have obtained or may obtain in the future information with respect to you or other matters which I may be prohibited from disclosing to you or using in connection with my representation of you because of obligations to such client or otherwise. You acknowledge and agree that I am not under an obligation to disclose such information to you or to use such information in connection with my representation of you and you further agree that you will not assert that I have an actual or potential conflict or have breached any duty or obligation to you by virtue of my possession of such information, my not revealing such information to you, and/or my not using such information in connection with my representation of you.

Client Records
Upon any termination of the engagement and payment of the final bill (unless otherwise required by law), your files with respect to this engagement will be delivered to you at your request. I will retain documents relating to this engagement

only so long as I deem appropriate or as required by law and thereafter may dispose of documents or other materials.

Please return a countersigned copy of this letter. I look forward to working with you and the team on this project.

Very truly yours,

Doug McPherson
on behalf of McPherson Law

Acknowledged and agreed:

Kendall County Forest Preserve District, Kendall County, Illinois

By:

Date:

PURCHASE AGREEMENT

This Purchase Agreement (this "**Agreement**") is entered into as of _____, 2021 by and among the parties listed as project operators on Exhibit A (collectively, the "**Sellers**") and _____ (the "**Buyer**").

BACKGROUND

Sellers are engaged in tree planting or tree preservation projects in urban areas that, among other benefits, sequester carbon (the "**Projects**").

The Projects have resulted in greenhouse gas reductions that have been verified by independent verifiers pursuant to protocols developed by City Forest Credits, a 501(c)(3) nonprofit organization that issues carbon credits to urban forest projects that comply with its protocols and have been third-party verified ("**CFC**").

According to the CFC protocols, each carbon credit represents one metric ton of CO2(e) and estimated quantified ecosystem co-benefits including rainfall interception, air quality effects, and heating and cooling effects (each metric ton of CO2(e) and associated co-benefits generated by a Project, a "**CFC Credit**" and collectively, the "**CFC Credits**").

Sellers wish to sell and the Buyer wishes to purchase the CFC Credits according to the terms described below.

ARTICLE 1
PURCHASE AND SALE OF CFC CREDITS

Section 1.1. Signing; Closing.

(a) Purchase and Sale. Buyer shall commit upon signing of this Agreement to purchase, acquire and accept the CFC Credits from Sellers (the "**Signing**"), and Sellers shall, subject to adjustment of the CFC Credits available for sale as described in Section 1.1(b) below, commit to sell, assign and transfer all right, title and interest in and to the CFC Credits to the Buyer, free and clear of any encumbrances.

(b) Purchase Price; Payment. The purchase price for the CFC Credits purchased pursuant to Section 1.1(a) shall be an amount not to exceed _____ dollars ($_____). The actual purchase price shall be determined following the Signing at the closing date based on the number of CFC Credits that have been verified and issued by CFC to the projects. The purchase price will be the sum of (i) the total number of CFC Credits offered by the Sellers and issued by CFC immediately before the closing, multiplied by $[per credit price] (the "**CFC Credit Price**"), and (ii) the National Sale Director fee, which shall be 6% of the CFC Credit Price (together, the "**Purchase Price**"). The Purchase Price shall be disbursed at the closing by the Buyer to the parties listed on Exhibit B by wire transfer or check of immediately available U.S. Dollars to the bank accounts specified by the recipients.

(c) Within five business days of the payment of the Purchase Price, Sellers shall provide a written transfer notice to CFC, with a copy to the Buyer, directing it to transfer the CFC Credits to the Buyer's CFC credit registry account. Title to the CFC Credits will pass to Buyer upon transfer by CFC to Buyer's credit registry account.

ARTICLE 2
NATURE OF THE SALES

Buyer shall be the legal, equitable and beneficial owner of the CFC Credits upon payment of the Purchase Price as described in Section 1.1, with full rights to transfer, alienate and pledge the same, and Sellers shall use commercially reasonable efforts to cooperate with Buyer by executing documents or agreements to properly reflect Buyer's rights in the CFC Credits intended to be conveyed by this Agreement.

ARTICLE 3
REPRESENTATIONS AND WARRANTIES

Section 3.1. Mutual Representations and Warranties. Each Seller severally but not jointly represents and warrants to the Buyer, and the Buyer represents and warrants to each Seller on the date hereof that:

(a) it is duly organized and validly exists under the laws of its governing jurisdiction and is qualified to conduct its business in that jurisdiction;

(b) it has the power and authority to execute and deliver this Agreement and to perform its obligations under it and has taken all necessary actions to authorize the entry into and the performance of its obligations under this Agreement;

(c) the entry into and performance of its obligations under this Agreement do not violate or conflict with or require any consent or waiver under any of the terms or conditions in its governing documents or any contract to which it is a party or by which any of its assets are bound or affected, or any applicable law;

(d) this Agreement constitutes a legal, valid and binding obligation on it enforceable in accordance with its terms, except as may be limited by bankruptcy, insolvency, reorganization, moratorium or similar laws relating to or limiting creditors' rights generally or by equitable principles relating to enforceability (whether enforcement is sought in equity or at law);

(e) it is not relying upon any representations of the other party other than those expressly set out in this Agreement and it has entered into this Agreement after a full opportunity to review its terms and conditions, has a full understanding of those terms and conditions and of their risks, and is capable of assuming those risks;

(f) the other party is not acting as a fiduciary or an advisor for it, nor has the other party given to it any advice, representation, assurance or guarantee as to the expected performance, benefit or result of this Agreement (other than as expressly set out in this Agreement);

(g) it has negotiated, entered into and executed this Agreement as principal (and not as agent or in any other capacity, fiduciary or otherwise); and

(h) there is no proceeding pending or, to the knowledge of such party, threatened against, relating to or that would have a material adverse effect on such party's ability to perform its obligations under this Agreement or any transaction contemplated herein.

Section 3.2. Sellers' Additional Representations and Warranties. The Sellers each, severally but not jointly, represent and warrant to the Buyer upon delivery of CFC Credits, that with respect to the CFC Credits delivered on such date:

(a) each Seller is party to a valid and enforceable contract with CFC obligating CFC to transfer CFC Credits from Seller's CFC credit registry account to another CFC credit registry account upon written instructions from Seller;

(b) it has full legal and equitable title to such CFC Credits, free of any encumbrances and fully transferable without claims by third parties and has not sold, transferred, assigned, licensed, disposed of, granted or otherwise created any interest or encumbrance in such CFC Credits other than as contemplated in this Agreement, and will not do so except in accordance with this Agreement;

(c) the Seller has all requisite rights to enter into this Agreement with the Buyer and to sell such CFC Credits to the Buyer.

Section 3.3. Buyer Representations and Warranties. The Buyer represents and warrants to each Seller:

(a) that Buyer has established a credit registry account with CFC to receive the CFC Credits upon closing;

(b) the Buyer is aware that the CFC Credits have not been and will not be registered under the Securities Act or any other securities laws. The Buyer is aware that the CFC Credits may not be offered, sold, pledged or otherwise transferred except in privately negotiated transactions that will not require registration of the CFC Credits under the Securities Act; and

(c) Buyer is purchasing the CFC Credits for its own account and not with an expectation of profit, or with a view to any resale or distribution in a transaction that would violate the Securities Act or the securities laws of any state of the United States or any other applicable jurisdiction.

Section 3.4. Disclaimers.

(a) Buyer is aware that there are a number of environmental market trading systems or greenhouse gas emission reduction trading systems. Sellers disclaim any representation or warranty regarding the ability and fitness of the CFC Credits to meet the obligations of or to hold any commercial value in these systems, whether or not currently effective, operational, or contemplated.

(b) Sellers are not making and have not at any time made any warranties or representations of any kind or character, express or implied, with respect to the CFC Credits, including but not limited to, any warranties or representations as to merchantability, non-infringement, security or fitness for a particular purpose.

(c) Buyer shall accept the CFC Credits "as is" unless otherwise explicitly represented by Sellers herein. Buyer has not relied and will not rely on, and Sellers are not liable for or bound by, any express or implied warranties, guarantees, statements, representations or information pertaining to the CFC Credits made or furnished by Sellers or their representatives, to whomever made or given, directly or indirectly, orally or in writing, except as expressly stated herein.

(d) Buyer acknowledges to Sellers that Buyer will have and has had the opportunity to conduct prior to closing such inspections and investigations as Buyer deems necessary or desirable to satisfy itself as to the CFC Credits and its acquisition thereof.

Section 3.5. Expiration of Warranties. All representations and warranties made by Sellers or Buyer herein, or in any certificate, schedule or exhibit delivered pursuant hereto, shall expire and terminate at closing.

Section 3.6. Limitation of Liability. Neither Party shall be liable under or in connection with this Agreement for any indirect, special or consequential loss or damage of any kind, in each case howsoever arising and whether caused by tort (including negligence), breach of contract or otherwise.

Article 4
CONDITIONS TO CLOSING

Section 4.1. Conditions to Buyer's Obligations. The obligations of Buyer hereunder shall be subject to the satisfaction and fulfillment of each of the following conditions, except as Buyer may expressly waive in writing:

(a) Accuracy of Representations and Warranties on Closing Date. The representations and warranties made herein by Sellers shall be true and correct in all material respects, and not misleading in any material respect, on and as of the closing date.

(b) Compliance. As of the closing date, Sellers shall have complied in all material respects with, and shall have fully performed, in all material respects, all conditions, covenants and obligations of this Agreement imposed on Sellers and required to be performed or complied with by Sellers at, or prior to, the closing date.

Section 4.2. Conditions to Sellers' Obligations. The obligations of Sellers shall be subject to the satisfaction and fulfillment of each of the following conditions, except as Sellers may expressly waive in writing:

(a) Accuracy of Representations and Warranties on Closing Date. The representations and warranties made herein by Buyer shall be true and correct in all material respects, and not misleading in any material respect, on and as of the closing date.

(b) Compliance. Buyer shall have complied in all material respects with, and shall have fully performed, the terms, conditions, covenants and obligations of this Agreement imposed thereon to be performed or complied with by Buyer at, or prior to, the closing date.

(c) Payment. Buyer shall have delivered and each recipient shall have received its portion of the Purchase Price.

ARTICLE 5
MEDIA

The parties shall cooperate in good faith to draft and release a media statement regarding the purchase of the CFC Credits within 30 days of the closing and shall make appropriate staff available to respond to media inquiries on a timely basis. Either party may disclose information relating to this Agreement if required to do so by law or applicable governmental regulation.

ARTICLE 6
MISCELLANEOUS

Section 6.1. Additional Sales. If Buyer purchases additional CFC Credits related to the Projects within 12 months of the closing, the purchase price shall be calculated according to the definition contained in Section 1.1(b) unless Buyer, Seller and the National Sale Director each agree otherwise.

Section 6.2. Costs and Expenses. With respect to each CFC Credit, (a) the Seller shall be responsible for the payment of any fees, charges, levies, taxes and other costs and expenses relating to its CFC Credits prior to the closing date, including fees related to the issuance and transfer of the CFC Credits to the Buyer's CFC account pursuant to Sellers' agreements with CFC, and (b) the Buyer shall be responsible for the payment of any fees, charges, levies, taxes and other costs and expenses relating to the CFC Credits arising on or after the closing date. Each Party will bear its own costs and expenses in connection with the preparation, negotiation and execution of this Agreement, provided however, Buyer shall pay the fee of the National Sale Director as described in Section 1.1(b).

Section 6.3. Assignment. No party may assign any of its rights and obligations under this Agreement except with the prior written consent of the other parties. No provision of this Agreement is to be construed as creating any rights enforceable by a third party, and all third party rights implied by law are, to the extent permissible by law, excluded from this Agreement.

Section 6.4. Governing Law. This Agreement shall be governed by and construed in accordance with the internal laws of the Commonwealth of Massachusetts (excluding application of any choice of law doctrines that would make applicable the law of any other state or jurisdiction) and, where appropriate, applicable federal law, and any disputes arising from this Agreement shall be brought in the federal and state courts located in _____.

Section 6.5. Amendments. This Agreement may not be amended except by agreement in writing signed by both the Buyer and the Seller(s) intended to parties to the amendment.

Section 6.6. Remedies Cumulative. Except as otherwise provided in this Agreement, the rights and remedies contained in this Agreement are cumulative and not exclusive of any other right or remedy provided in this Agreement or provided by law.

Section 6.7. Execution in Counterparts. This Agreement may be executed in a number of counterparts, each of which will be an original and equally effective and shall constitute one and the same instrument. Signatures to this Agreement transmitted by electronic signature format or by electronic mail in portable document format shall be valid and effective to bind the party so signing.

Section 6.8. Entire Agreement; Exhibits. This Agreement constitutes the entire agreement and understanding of the parties with respect to the subject matter of this Agreement and supersedes and extinguishes any representations previously given or made with respect to its subject matter. The exhibits that are referenced in this Agreement are a part of this Agreement and are incorporated by reference.

Section 6.9. Notices. Except as otherwise provided herein, whenever it is provided herein that any notice, demand, request, consent, approval, declaration or other communication shall or may be given to or served upon any party by another party, or whenever any party desires to give or serve upon the other party any communication with respect to this Agreement, each such notice, demand, request, consent, approval, declaration or other communication shall be in writing and shall be deemed to have been validly served, given or delivered: (a) upon the earlier of actual receipt and five business days after deposit in the United States Mail, registered or certified mail, return receipt requested, with proper postage prepaid; (b) upon transmission, when sent by electronic transmission (with such electronic transmission promptly confirmed by delivery of a copy by personal delivery or United States Mail; (c) two business days after deposit with a reputable overnight courier with all charges prepaid; or (d) when delivered, if hand-delivered by messenger, all of which shall be addressed by the party to be notified and sent to the address or electronic address indicated below or to such other address (or electronic address) as may be substituted by notice given as herein provided. The giving of any notice required hereunder may be waived in writing by the party entitled to receive such notice.

If to the Sellers:

With a copy to Douglas McPherson, National Sale Director

If to the Buyer:

[Signature Pages Follow]

The parties have executed this Purchase Agreement as of the date contained in the first sentence of this Agreement.

BUYER:

By:_____
Name:
Title:

SELLERS:

By:_____
Name:
Title:

By:_____
Name:

Title:

By:_____
Name:

Title:

By:_____
Name:

Title:

EXHIBIT A

PROJECT OPERATORS, PROJECTS, AND CREDITS PURCHASED[1]

[1] Credits will be adjusted immediately prior to closing as described in Section 1.1(b) above.

EXHIBIT B

DISBURSEMENTS