

FINAL REPORT
First Downs for Trees

Date: 8-15-2012

Report Period: 1-1-2012 to 6-30-2012

Grant Project Period:

Grant Recipient: WI Department of Natural Resources

Grant Number:

Recipient Contact Person: John Lubbers

Principal Investigator/Project Director:

Progress Achieve in Accomplishing Project Goals & Objectives (*Goals and objectives should correspond to the goals and objectives in the approved grant application*).

Goal/Objective 1

Planned: **Increase current tree canopy coverage by planting up to 1000 trees.**

Actual: **A total of 848 trees were planted with the average cost of \$54.23/tree (costs ranged from \$30 - \$99/tree). We purchased nursery stock from 3 vendors; Meacham Nursery, Scenic View Landscapes and Tillmann Wholesale Growers.**

Goal/Objective 2

Planned: **Brown County is quarantined for EAB, tree planting will increase species diversity and improve resilience.**

Actual: **We offered 10 different genus, 16 different species and two types of nursery stock (bare root and B&B). Please see attached sheet for list of trees purchased.**

Goal/Objective 3

Planned: **Increase diversity by offering a large selection of trees communities can choose from.**

Actual: **We offered 10 different genus, 16 different species and two types of nursery stock (bare root and B&B). Please see attached sheet for list of trees purchased.**

Goal/Objective 4:

Planned: **Calculate stormwater mitigation and carbon sequestration for trees planted.**

Actual: **The 848 trees will intercept 45,026,133 gallons of water over their lifetime for a savings of \$1,220,293. These trees will capture 5,819 tons of atmospheric CO2 per year. Lifetime savings including indirect costs are \$153,546. Street trees also store approximately 68,883 tons of atmospheric CO2 for a total savings of \$1,033,241. Please see the attached factsheet for additional benefits.**

iTree Streets reports annual benefits. In order to project benefits over a lifetime, a theoretical database was used for analysis. Database assumed a predictable annual growth rate over 40 years for each tree species with no mortality. Analysis also assumes all trees are planted along streets.

Goal/Objective 5

Planned: **Increase number of partners from previous year (26 to 28).**

Actual: **We had a total of 22 entities plant trees (20 municipalities, Oneida Tribe & Brown County). We gained one new community (town of Wrightstown) and we lost one community (town of Rockland). We had an 83% participation rate among Brown County cities, villages and towns (4 towns did not plant trees out of 24 communities). Partners that were also involved included the Green Bay Packers, Wisconsin Public Service Corp., US Forest Service, Meacham Nursery, Scenic View Landscapes, Tillmann Wholesale Growers and WI DNR. That would be a total of 29 partners in the 2012 First Downs for Trees program.**

Name	Common Name	Utility	Size	Type	Quantity
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		Friendly			
<i>Acer platanoides</i>	Deborah Maple	No	1.5" - 1.75"	BR	18
<i>Acer platanoides</i>	Emerald Lustre Maple	No	1.75"	BR	22
<i>Acer saccharum</i>	Green Mountain Sugar Maple	No	1.5"	BR	38
<i>Acer x freemanii</i>	Autumn Blaze Maple	No	1.5" - 1.75"	BR	111
<i>Acer x freemanii</i>	Sienna Glen Maple	No	1.5"	BR	15
<i>Acer rubrum</i>	Northwoods Maple (sandy soil only)	No	1.5"	BR	10
<i>Celtis occidentalis</i>	Common Hackberry	No	2.5"	B&B*	36
<i>Crataegus crusgalli</i>	Thornless Cockspur Hawthorn	Yes	2"	B&B*	24
<i>Gleditsia tricanthos</i>	Skyline Honeylocust	No	1.5" - 1.75"	BR	57
<i>Malus</i>	Flowering Crab "Prairiefire"	Yes	1.75"	BR	46
<i>Malus</i>	Flowering Crab "Donald Wyman"	Yes	2.5"	B&B*	0
<i>Malus</i>	Flowering Crab "Pink Spires"	Yes	2.5"	B&B*	21
<i>Malus</i>	Flowering Crab "Snowdrift"	Yes	2.5"	B&B*	7
<i>Malus</i>	Flowering Crab "Spring Snow"	Yes	2.5"	B&B*	35
<i>Pyrus calleryana</i>	'Chanticleer' Pear	Yes?	1.5" - 1.75"	BR	54
<i>Pyrus fauriei</i>	Korean Sun Pear	Yes	1.5"	BR	21
<i>Quercus bicolor</i>	Swamp White Oak	No	2.5"	B&B*	48
<i>Syringa reticulata</i>	Ivory Silk Lilac	Yes	1.5" - 1.75"	BR	77
<i>Tilia Americana</i>	Redmond Linden	No	1.5"	BR	26
<i>Tilia cordata</i>	Greenspire Linden	No	1.5"	BR	17
<i>Tilia x flavescens</i>	Glenleven Linden	No	1.5"	BR	9
<i>Ulmus</i>	Triumph Elm	No	1.5" - 1.75"	BR	47
<i>Ulmus</i>	Frontier Elm	No	1.5"	BR	7
<i>Ulmus</i>	Accolade Elm	No	1.5" - 1.75"	BR	41
<i>Ulmus</i>	New Horizon Elm	No	1.5" - 1.75"	BR	61

Total 848

First Downs for Trees

Final Report

DECEMBER 2011

FDFT started out with a bang on December 15th with a big check presentation at the Lambeau Field Atrium. Tony Ferguson (NA Director, USFS), Mark Murphy (Packers President/CEO) and Darrell Zastrow (DNR Deputy Division Administrator) spoke about the benefits of trees and how this exciting partnership will benefit the Bay of Green Bay and Lake Michigan.

We also worked on putting out bids for nursery stock. The Packers prefer to work with local businesses so we kept our selection to nurseries located in Brown County. We received quotes from a total of 5 nurseries. Our final selections were Meacham Nursery, Scenic View Landscapes and Tillmann Wholesale Growers and our decision was based on quality of stock, diversity of species and cost effectiveness.

JANUARY 2012

In January we were busy working with the communities to get the tree order in. We offered 10 different genus, 16 different species and two types of nursery stock (bare root and B&B). A total of 848 trees were ordered with the average cost of \$54.23/tree (costs ranged from \$30 - \$99/tree). The total cost of trees was \$45,983.00.

We had a total of 22 entities plant trees (20 municipalities, Oneida Tribe & Brown County). We gained one new community (town of Wrightstown) and we lost one community (town of Rockland). We have an 83% participation rate among Brown County cities, villages and towns (4 towns did not participate out of 24 communities).

MARCH

In March we were busy preparing for the April tree pick up event. We had a FDFT Committee meeting on March 12th at Lambeau Field. Details for spring events were finalized. Because of our early spring, we moved the date up two weeks earlier than last year. The Packers mailed out a packet of info that contained a pick up schedule, tree planting & tree care brochures and Arbor Day event planning materials.

APRIL

In April we distributed trees on April 2nd. Bare root trees from Meacham and Scenic View were loaded into trucks and onto trailers - everything went smoothly. Communities that ordered B & B stock were responsible for scheduling their own pick up time at Tillmanns.

Wisconsin Public Service Corp donated signs that were distributed to the partners to be used during their tree planting events.



May

May was a great month for FDFT program! On May 24th we celebrated this exciting partnership at Lambeau Field with USFS Chief Tom Tidwell, Packer President & CEO Mark Murphy and DNR Secretary Cathy Stepp. Participating communities were invited to help plant 4 Skyline honeylocust on Harlan Plaza.

