

The following is a summary of phase I, II, III and IV of Lafayette's tree inventory:

Lafayette's I-Tree Analysis

In order to identify how much benefit is provided and returned to the community, a benefit cost analysis of Lafayette's inventoried tree population was performed. The entire tree inventory, including information from the three phases were formatted for use in the i-Tree Streets (version 5.1.1.) benefit-cost assessment tool.

- The top 5 inventoried species were:
 1. Silver Maple 12%
 2. Red Maple 8%
 3. Sugar Maple 7%
 4. Pear 6%
 5. Apple 5%

Lafayette's 10,885 inventoried street trees:

- Intercept 14.4 million gallons of storm water, valued at \$389,275 per year, for an average benefit of \$42.45 per tree.
- Reduce energy and natural gas use from shading and climate effects equal to 1,600 megawatt-hours and 218,009 therms, respectively, valued at \$349,664 per year, for an average of \$38.13 per tree.
- Improve air quality by removal and avoidance of 9.7 tons of air pollutants valued at \$54,575 per year, for an average of \$5.01 per tree
- Reduce CO₂ by 3,048 tons per year, valued at \$45,727, for an average of \$4.20 per tree.
- Increase property values, community appearance, and provide other less tangible improvements, valued at \$162,786 per year, for an average of \$14.96 per tree.
- The total annual benefit received from the City's inventoried public trees today was \$1,002,027 for an average of \$92.06 per tree. The value increases as trees mature.
- Davey Tree Group inventoried 20,900 sites.
- Sites include 10,885 trees. 9,170 vacant spaces and 844 tree stumps.
- The inventory indicates that 71% of the of the street trees need structural pruning, 21% need training pruning, and 8% need removal.
- We need to plant 385 trees a year just to maintain our tree lined streets. It is an estimate that planting this number of trees would replace all ash and other trees removed due to deteriorating health. Planting an additional 92 trees of the 9,170 available planting sites fills 1% of the open sites for a total of 476 a year.

Summary of each phase of the tree inventory can be found on the City of Lafayette and the Park and Recreation Website.



2013 Tree Lafayette's retiring Board Members
Lt to Rt: J. Streisand, R. Pahl, K. Shaw, D. Coogan

TREE LAFAYETTE ELECTED 2014-2016

Jeff Smith
Jillian Henry

Bill Arthur

Sonya Thomas
Don Scheiber

TREE LAFAYETTE BOARD MEMBERS

Larry Rose, Past President, Executive Director

Gail Brock, President

Rob Pahl, Vice President

Greg Goga, Secretary

Keith Shaw, Treasurer

Sam Biederstedt

Jonathan Fisher

Advisors: Belinda Kiger, Urban Forestry Mgr., City of Lafayette
and Orvin Lindell, CPA

Susan Colby

Denise Coogan,

Laura Wright

Jennifer Streisand

Greg Shaner

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Planting and Promoting a Healthy Community

Vision Statement:

Tree Lafayette's vision is a green and beautiful urban landscape in our community.

Mission statement:

Tree Lafayette promotes a healthy community by providing education, leadership, and inspiration in planting and caring for trees.

Annual Report

2013

Tree Lafayette

1915 Scott Street
Lafayette, Indiana 47904

OPERATIONS - 2013 Income & Expense -

Fund balance 1.1.13	\$36,619
Income:	\$49,708
Restricted grants	41,500
Neighborhood grants	786
Unrestricted grants	3,000
Lunch annual meeting	493
Supporter	3,746
Others	180
Expense:	\$41,696
Education	225
Annual meetings	693
Marketing,	3,090
Trees & Equip.	26,006
Governance	1,679
Transfer	10,000
Fund balance 12.31.13	\$44,631

-Grant Income-Unrestricted-

Duke Energy Foundation Evonik Degussa Corp
Warehouse of Lafayette

-Grant Income Restricted-

Alcoa Foundation Heritage Interactive Services
Tipmont REMC EnviroWatts Trust Board
Community Foundation of Greater Lafayette
Tate and Lyle South

-Neighborhood Income-Restricted-

Columbian Park

- 2013 Operational Supporters-

Majestic Maple \$500-\$999

Mr. and Mrs. Arlan Stavnheim Fraternal Order of Eagles
WLF-TV

Spreading Sycamore \$250-\$499

Mr. and Mrs. James Buescher Ms. Denise Coogan
Mr. and Mrs. Lawrence Preo

Elegant Elm \$100 to \$249

Mrs. Patricia W. Barrett Mr. Keith Brown
Mr. and Mrs. Tom Combs Oakland High School
Mr. Dan Shaw Mr. and Mrs. Hubert Yount
Jennifer Streisand & Emil Venere Ms. Barbara McMurray

Beautiful Beech \$50 to \$99

Ms. Janice Cartwright Mr. Orvin Lindell
Mr. and Mrs. Robert Downing Mr. and Mrs. Steven Meyer

In Kind Gifts:

Lafayette-West Lafayette Convention & Visitors Bureau
Fisher Funeral Chapel and Cremation Services
SIA WLF-TV 18

Great Gingko \$25 to \$49

Mr. and Mrs. Tracy Brown Mr. and Mrs. Ron Campbell
Ms. Roberta Deagan Keirce Dr. and Mrs. Robert Hannemann
Ms. Lonnie Heide Mr. Kenneth McCommon
Mr. Joseph Seaman Mr. and Mrs. Clem Schroll

-Tree Lafayette Endowment-

- 2013 Income & Expense -

Fund balance 1.1.13	\$14,981.25
Raised:	\$34,223.00
Community Foundation:	\$21,458.50
Fund balance 12.31.13	\$70,668.75

-Endowment Supporters-

Mr. Zachary Baiel	Mr. and Mrs. Robert Barker
Mr. and Mrs. Stephen E. Belter	Mr. and Mrs. George Berninger
Mr. and Mrs. Eugene Bold	Mr. and Mrs. John Branstrator
Ms. Gail Brock	Mr. and Mrs. Michael J. Brouillette
Mr. Keith Brown	Mr. Barry Bruce
Mr. and Mrs. James Buescher	Mr. and Mrs. Ronald Campbell
Mr. and Mrs. Joseph T. Bumbleburg	Mr. and Mrs. John A. Christian
City of Lafayette	Ms. Susan Colby
Mr. Thomas Combs	Ms. Denise Coogan
Mr. Samuel C. Curtis III	Custom Cuts Lawn care, Inc.
Dr. Elizabeth Doversberger	Downham Custom Homes
Fisher Funeral Chapel and Cremation Services	
Mr. and Mrs. Jonathan Fisher	Mr. and Mrs. Norbert Fisher
Ms. Geraldine Friedman	Mr. and Mrs. Robert E. Galbraith
Mr. and Mrs. John Gambs	Mr. Robert E. George
Mr. and Mrs. Dennis Gernhardt	Mr. and Mrs. Richard J. Giromini
Mr. and Mrs. Wilber Hancock	Dr. and Mrs. Robert Hannemann
Happy Hollow Garden Club	Ms. Janice Harris
Mr. and Mrs. Michael Hunt	Dr. Martin and Patty Jischke
Mr. and Mrs. Bruce Junius	Ms. Kristel Kaye
Mrs. Roberta Deagan Keirce	Ms. Belinda Kiger
Mr. James Klatch	Mr. and Mrs. Robert Leavitt
Lafayette-West Lafayette Convention & Visitors Bureau	
Mr. Larry Lewellyn	Mr. Orvin A. Lindell
Mr. and Mrs. Mark S. Lundstrom	Mr. Kenneth R. McCommon
Mr. and Mrs. Richard L. McDaniel	Ms. Barbara McMurray
Mr. and Mrs. Steven Meyer	Mr. and Mrs. Richard D. Murray
Ms. Jennifer Padavic	Robert and Kathleen Pahl
Ms. Sandy Pearlman	Purdue Federal Credit Union
Dr. Jerry Preuss	Kirby Risk Corporation
Mr. and Mrs. Ken Ritchey	Mr. and Mrs. Larry Rose
Dr. and Mrs. Arthur D. Rosen	Mr. and Mrs. Jim Ross Jr.
Ms. Betty Rowe	Mr. and Mrs. Steve Schreckengast
Mr. and Mrs. Joseph Seaman	Mr. and Mrs. Gregory Shaner
Mr. and Mrs. Keith Shaw	Mr. Daniel Shaw
David Lindsay and Sharon Shoppell	SIA
Mr. and Mrs. Meddie P. Silver	Mr. and Mrs. James J. Solberg
Ms. Tammy Stanisz	Mr. and Mrs. Arlan N. Stavnheim
Ms. Shirley Sterling	Mr. and Mrs. Howard H. Taylor
Emil Venere and Jennifer Streisand	Mr. and Mrs. John Thomas
Tipmont REMC EnviroWatts Trust Board	
Mr. Glen Vick	Mr. and Mrs. David D. Watson
Ms. Laura Wright	Mr. and Mrs. Al Wright

-Awards Given at Annual Meeting-

-Twenty Times Supporter-

Mr. and Mrs. Arlan Stavnheim

-Fifteen Times Supporter-

Duke Energy

-Ten Times Supporters-

Jennifer Streisand and Emil Venere

Ms. Rosie Lerner

Mr. and Mrs. Ralph Smith

Ms. Mary Marks

-Appreciations-

Mr. Eli Swank

Mr. Dustin Wrightsman

Mr. Cole Snider

Ms. Ashley McGrew

-Neighborhood Tree Stewards-

Mr. Don Staley-Columbian Park

-Volunteers of the Year-

Mr. Matt Green

Ms. Mickey Penrod

-Preservationalist of the year-

Mr. David Howell

Many thanks to our Committee Volunteers

Joe Fowler	Matt Green	Matt Shively
Randall McGinnis	Mickey Penrod	Sara Peel
Susan Philyaw	Tricia Leuck	John Plam
Sonya Thomas	Marti Sackett	John Slaven
Tammy Stanisz	Jeff Studebaker	Deb Browning
Glen Vick	Tom Combs	Bob Barker

Neighborhood Tree Stewards

Don Staley- Columbian Park	Arlan Stavnheim- Saw Mill Run
Gail Brock- Ellsworth-Romig	Sam Biederstedt-Jesco Hills
Michael Hunt-Historic Centennial	Larry Rose-Wildcat Valley
Torbert Rocheford-Centennial	

School Tree Stewards

David Howell

-By the Numbers-

Marketing, Internet, PR, Volunteer Committee

- 190,724 web hits, 28% over 2012
- 2010 supporters was given tree presentations
- 200 tee shirts were given out
- 150 volunteers helped plant on Arbor Day
- 150 saplings given out
- 2 newsletters, and annual report were printed and distributed to over 400 supporters.

Tree Committee

- 181 trees planted, 33 less than 2012.
- 493 street trees pruned. 29% over 2012
- 76 trees re mulched.
- 261 trees watered,
- 2 neighborhoods: Ellsworth-Romig planted 23 trees and Columbian Park planted 22 trees.
- 2 corridor streets planted: Brady Lane and South Street.
- 2 schools planted 20 trees.
- 1803 trees planted since 1994.
- 7320 trees pruned since 1995.

Development, Membership, Grants, Finances

- 19 grant applications written
- 431 listed supporters since 1993
- 333 financially supported Tree Lafayette in 2013
- \$45,705 raised for operations
- Tree Lafayette endowment raised \$55,681 from 62 supporters, to bring the total to \$70,669.

Education Committee

- 7 elementary schools planted 8 trees with class room presentations on the value of trees.
- 1,300 4th grade students were given saplings
- Lorax books were given to each elementary school library.
- Each 3rd grade student received a book mark and a lima bean experiment.
- Each 3rd grade class received a leaf identification.

Volunteer hours

- 2000 hours plus

Face book

- 267 likes
- 1,266,000 reached
- Four countries



-Third Grade Program-



Cole Elementary

The Indiana Urban Forest Council awarded Tree Lafayette the outstanding tree board for its education program created by Laura Wright. Pictured left to right: Tree Chairman Greg Shaner, President Gail Brock, and Education Chairman Laura Wright.



Purdue Engineering International Students waiting for the bus after an Arbor Day planting.



Mickey Penrod developed a puppet show with the students at McCutcheon High School. The children wanted to touch the squirrel.



Arbor Day in Lafayette - May 4, 2013

Volunteers planted 67 trees on Brady Lane. Arlan Stavnheim was given a plaque to commemorate 20 years of service to Tree Lafayette. Arlan was the project manager for this planting and Matt Green was coordinator.

<http://tinyurl.com/tree-lafayette-arbor-day>

Sponsors who contribute over \$1,000 to Tree Lafayette may display a banner on Arbor Day.



Volunteers in Ellsworth-Romig Historic Neighborhood planted 23 trees on South Sixth Street. Food and music accompanied the event. The neighborhood has planted 65 trees so far on Oregon, New York, and S. 6th Street.