

The Arbor Division has been asked to provide a short 20 minute presentation to City Council on activities and accomplishments. A visual show will be presented of various landscape amenities that Arbor has created along with a number of forestry and recycling related images. In consideration of the public's concern of recent EAB removals and council's time Arbor has also created this report to supplement the upcoming presentation with a background of information that helps illustrate a fuller story of the division's forestry program. The report is focused on forestry but also provides a brief on the Landscape Recycling Center, divisional highlights, and historical accomplishments.

In this report Urbana's tree inventory and how it is being used will be explained. The economic and ecological (Eco) benefits of Urbana trees are described. Urbana's Emerald Ash Borer infestation is detailed as well as how EAB is affecting the community forest. And post EAB suggestions are provided as to how to manage our way out of forest decline.

If you have any questions or comments to discuss on this information please feel free to bring them up during our April 11th presentation.

IN HONOR OF SWEAT EQUITY, ARBOR TEAMS PAST AND PRESENT

The City of Urbana Arbor Division strives to nurture and protect the community's environment for the benefit of its residents. The greening of Urbana through landscape enhancement and tree planting has always been an appealing image of the Arbor Division. Success in both areas has led to upgraded entryways and business districts. However, the Arbor program covers much more. With landscape enhancement comes the need to water, weed, feed, mulch, trim, control pests and disease, mow, collect trash, remove graffiti, refurbish benches, and most recently clean up overflowing mud. The Landscape Section maintains all the city's mini parks, facility and parking lot landscapes, concrete and mulched medians, downtown furniture and bike racks. Landscape also builds mini parks, sculpture gardens, planter boxes, retaining walls, and seating areas. Under the forestry program Arbor is tasked with trimming trees to maintain street, sidewalk, street light and house clearance, trimming trees to clear blocked street signage, trimming trees to maintain visibility at intersections, removing deadwood in trees before it falls, finding and removing structural tree hazards, tree repair, clearing trees for engineering and operations street projects, stump grinding and tree planting. In 1992 Arbor was asked to take on the county wide Yard Waste Reclamation Site and tasked with making a viable yard waste recycling program for the community. Arbor was given one additional operator for the recycling operation which enlarged Arbor's labor force to five full time employees. The men and women of the Arbor Division took on these challenges and made the most of the tools at hand.

All aspects of the Arbor program have grown over the last several decades due to the diligent efforts and sweat equity of past and present members of the Arbor Team. The landscape section now boasts the care of five times the square footage in flower beds, John David Mooneys, "Art in Park", Philo, Cunningham, and Lincoln Avenue entryway/corridor plantings, a new neighborhood sidewalk garden, new seating areas for the Farmers Market and an award winning parklet along Urbana's infamous boneyard.

Forestry has trimmed every tree in the city, 11,000, at least once, trimmed, repaired and removed thousands of trees after a devastating ice storm and tornado both of which were

FEMA declared disasters, planted several thousand trees and maintained a struggling forest through two damaging droughts, a severe winter freeze, two overly wet springs and an increasing number of summer storms all of which created tree damage. Forestry is now tasked with staying ahead of the Emerald Ash Borer epidemic (500 ash trees) while maintaining the ability to address daily tree hazards and priority trimming needs.

The landscape recycling program has blossomed from a tax subsidized Urbana program to a self-sufficient county wide landscape recycling program that in 2015 reached its one millionth cubic yard of recycled yard debris. The Landscape Recycling Center has evolved from providing a free pile of wood mulch for residents to use to offering five types of wood mulches, three types of compost, and five non-organic recycled products that bring in over \$300,000 in annual revenue. Since the beginning LRC has returned over one millions cubic yards of waste material in the form of refined garden products to the very land from which the material was produced with the added economic benefit of 3 million dollars in sales revenue that provides support for maintaining the recycling operation.

The above efforts could not have been possible without the positive, challenge hungry attitudes of past and present Arbor teams. Kudos to those men and women of the A-Team!

2016 Arbor Team

Forestry: Full-time - John Mose, Cale Beccue, Part-time Christopher Buhr

Landscape: Full-time - Tracy Edwards, Jimmy Fryer, Part-time – Tanner Brown

**Landscape Recycling Center: Full-time - Paul Williams, Jeff Evosovich, Denny Shadix,
Seasonal - Kim Oot**

2015 Arbor Team Production

Forestry – (by # of trees) 1016 street, sidewalk, house clearance pruning, 588 Preventative tree maintenance pruning, 333 intersection visibility clearance pruning, 174 small tree training, 163 tree removal, 156 tree planting, 152 Priority Hazard Abatement, 134 whole tree repair, 112 Hanger/broken limb removal, 57 Dead limb removal, 42 stump removal.

Landscape – (by # of hours) 1187 trash pickup, 882 weeding, 686 pruning, 621 mulching, 565 landscape bed cleanup, 466 watering, 339 hardscape maintenance, 322 planting, 242 spring bed preparation, 238 construction, 154 equipment maintenance, 84 dumping and loading material

Landscape Recycling Center – (by # cubic yards) 35,831 cubic yards of disposal material brought in for processing - 17086 Brush, 6812 woodchips, 6454 leaves, 2633 compacted leaves, 1020 sod/dirt, 642 compacted mix leaves/brush, 606 grass, 578 bulk wood.

7762 cubic yards of material processed and sold – 4917 wood mulches, 1995 screened garden compost, 850 pulverized topsoil blend

SUSTAINABLE FUTURE + GUARANTEED INVESTMENT = TREES!!!

Trees are the only component of a City's infrastructure that increases in value over time!

Trees Provide Indirect Economic Vitality

- Trees attract people which attract business
- Both provide tax revenue
- Tax base supports basic community needs such as police, fire and public works

Trees Provide Direct Ecological/Economic Benefits

Urbana public trees are estimated to provide \$1,950,000 in annual eco benefits which includes:

- 23 million gallons/ yr. storm water absorbed = \$634,000 in saved infrastructure costs
- 3.5 million lbs. Carbon dioxide avoided and 4.6 million lbs. sequestered = \$58,000 in annual Greenhouse Gas benefits
- 2.6 million kWh saved and 361 thousand Therms saved = \$556,000 in energy benefits
- 25,000 lbs. of pollutants saved = \$80,000 in annual Air Quality Benefits
- \$619,000 in Property Benefits based on square footage of leaf surface area

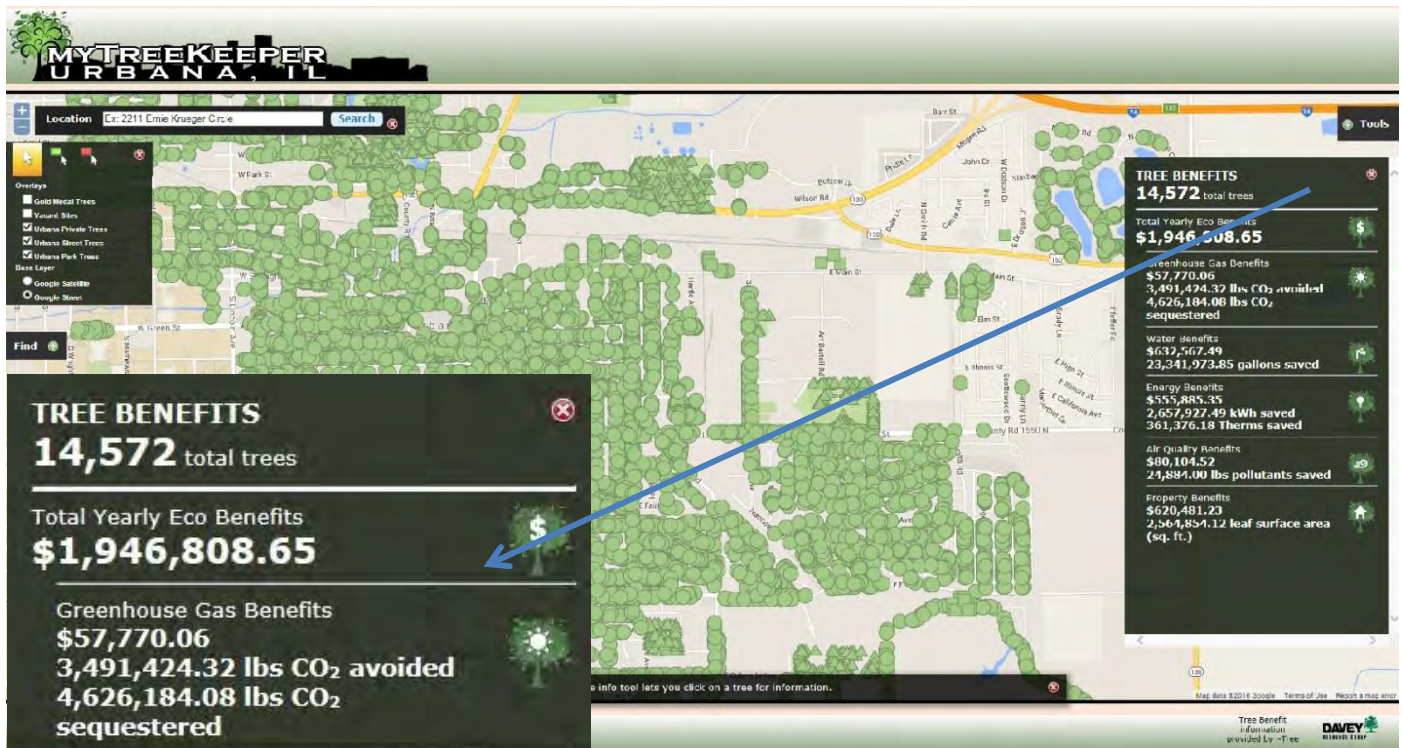
On a national scale trees provide a 3 to 1 return on investment when comparing annual eco benefits to annual maintenance costs. Urbana trees are providing a 3.5 to 1 return. Urbana spends \$38 /tree/yr. for care and receives \$135 per/tree/yr. in eco benefits)

ECO BENEFITS OF TREES

Trees provide a functional value to the community infrastructure by cleaning air, shading homes, absorbing storm water and increasing property value. To better calculate the exact ecological and economical (eco) benefits of its urban trees, The City of Urbana recently utilized *i-tree* software developed by USDA Forest Service and Davey Resource Group for its latest tree inventory. This state-of-the-art, peer-reviewed software suite transforms tree data into a tangible accounting of carbon sequestering, storm water absorption, energy savings, and air quality and property benefits.

The Urbana tree inventory and eco benefit data is available to the public via an interactive website at <http://urbana.mytreekeeper.com>. The website allows all Urbana residents to discover the eco benefits of individual or groups of trees and enables the City to highlight specific trees of interest. In addition, ecological benefits are stated in terms of pounds of carbon avoided and sequestered, gallons of rainwater absorbed, kilowatts and Therms saved and pounds of pollutants cleaned from the air. These same terms are formulated into dollar amounts to clearly define the economic impact of trees on the local economy. Urbana's tangible return on its community forest is presently at \$1,946,808, annually. By sharing this data in these terms, it is easier for the City to communicate the cost savings and value trees provide to Urbana citizens and business.

Urbana's tree inventory offers the proper management tools for the City to proactively manage a living and growing component of the infrastructure effectively and efficiently as it reduces public hazards, work load and maintenance costs required to sustain the community forest while also providing the impetus to the community to proactively preserve trees.



Benefit Explanations:

GREENHOUSE GAS BENEFITS

Urban forests can reduce atmospheric greenhouse gases in two ways:

- Trees directly sequester CO₂ as they grow.
- Trees near buildings can reduce the demand for heating and air conditioning, reducing emissions.

WATER BENEFITS

Urban forests reduce the amount of runoff and pollutant loading in receiving waters in four ways:

- Intercepting and storing rainfall in leaves and branch surfaces.
- Increasing the capacity and rate of soil infiltration by rainfall with root growth and decomposition.
- Reducing soil erosion by diminishing the

impact of rain on barren surfaces.

- Reducing soil moisture and increasing the soil's capacity to store rainfall.

ENERGY BENEFITS

Trees in an urban forest modify climate and conserve building energy use in three ways:

- Shading
- Transpiration (converting liquid water to water vapor which cools the environment).
- Wind speed reduction.

AIR QUALITY BENEFITS

Urban trees have four ways of providing air quality benefits:

- Leaf surfaces absorb gaseous pollutants
- Intercepting dust, ash, pollen, smoke, etc.
- Releasing oxygen
- Transpiring water and shading surfaces, lowering local air temperatures and reducing ozone levels.

PROPERTY BENEFITS

Well-maintained urban forests increase the “curb appeal” of properties and in turn increase the property value. Research has shown that buyers are willing to pay more for homes with ample trees.

URBANA TREE INVENTORY 2014

TREE INVENTORY DATA ASSISTS IN MAXIMIZING FOREST VITALITY

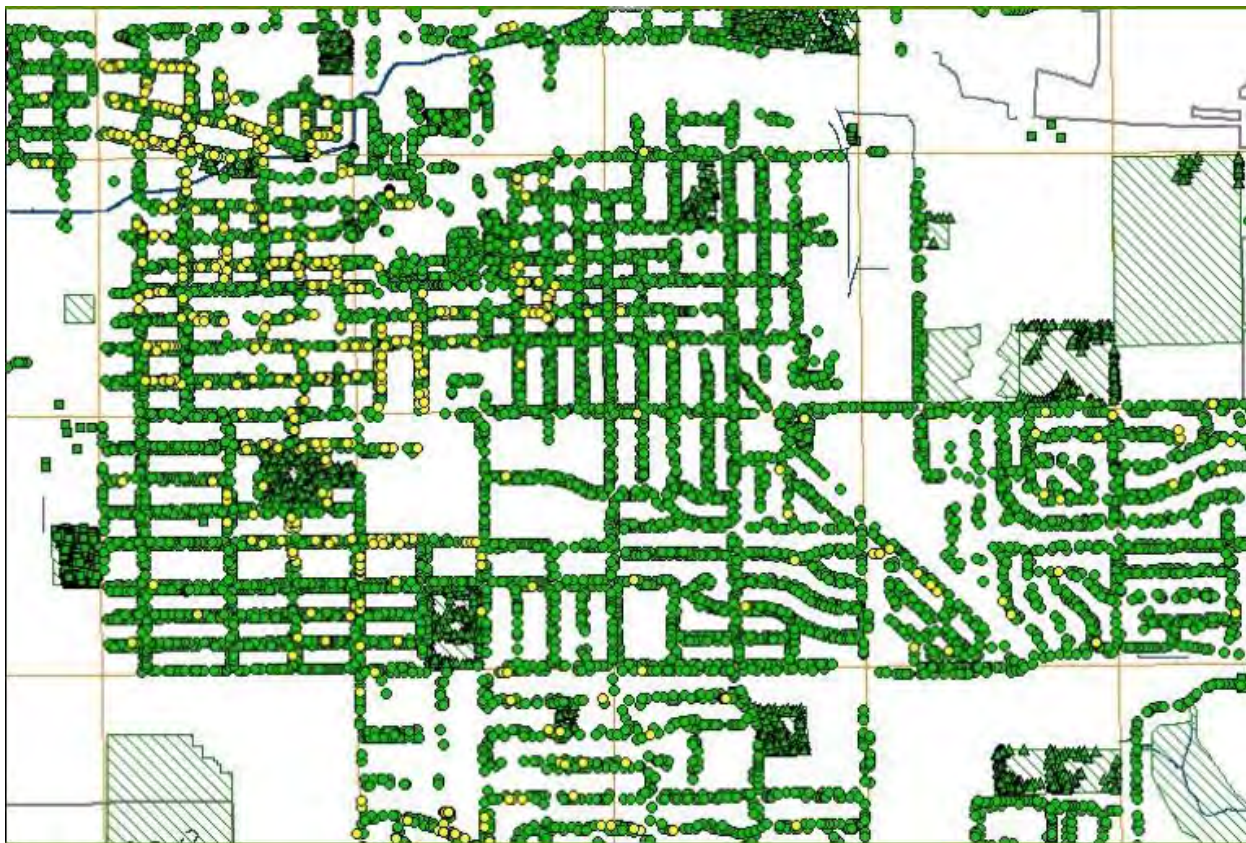
Address:	711	
Suffix:		<u>Blockside:</u>
Street:	Main St W	OnStreet: Busey Ave N
Side of Property:	SIDE TO	FromStreet: Stoughton St W
Site:	1	ToStreet: Main St W
X:	1016648.35	Y: 1255333.17
Inventory Date:	August 10, 2015	
Remote ID:	MD 20130320151137	
Site ID:	7842	
Species:	Quercus prinus (oak, chestnut) 📍	
DBH:	44.5	Tree Height: 61-70
Trunks:	1	Condition: Good
Primary Maintenance:	Tree Clean	Secondary Maintenance: None
Utilities:	No	Utility Distance: Clear
Further Inspection:	No	Hardscape Damage: No
Clearance:	None Needed	Notable: Yes
Memorial:	No	Observations: potential early settlement tree

With progressive management of Urbana’s urban forest, the tree maintenance program has evolved from reactionary to preventative. Preventative tree maintenance focuses on minimizing tree failure as opposed to reacting to trees that have already failed. This methodology is more efficient as it allows forestry crews to repair tree problems and achieve street clearance before trees grow into larger, more time-consuming problems. Efficient maintenance of the community forest is paramount to public safety and forest vitality. Urbana’s tree inventory supplies the information on each public tree that

Secondary Observations:	None	Location Value:	Good
Grow Space:	Tree Lawn or Parkway	Length:	99
Width:	14	EAB Present:	Not Present
EAB Treatment:	N/A	Area:	08SW
Location Type:	Street	Photo1:	1
Photo2:	0	Tree Trail:	Unassigned
ROW:	66	Planting Year:	0
Replacement Species:	Not Applicable (Not Applicable) <input checked="" type="radio"/>		
Legacy Tree:	Yes		
Risk Assessment:			
Probability of Failure:	High (3)	Size of Defect:	1 to 4 (1)
Target Impact:	Intermittent Use (2)	Other Hazard:	No Additional Risk (0)
Risk Rating:	6		
Tree Risk Assessment Qualification (TRAQ):			
TRAQ-Likelihood of Failure:	Possible	TRAQ-Likelihood of Impacting a Target:	Medium
TRAQ-Likelihood Failure Impacting Target:	Unlikely	TRAQ-Consequence of Failure:	Minor
TRAQ-Risk Rating:	Low		

allows effective scheduling of preventative maintenance and priority hazard abatement. The inventory includes over 50 data categories, and an integrated map that allows easy visual reference for such things as determining the areas of the community that need street clearance work. (see map below)

- Samples of Inventory Data: as of 4/6/2016
- Deadwood/defect 1"-4" diameter = 8573 trees
 - Deadwood/defect 4"-20" diameter = 1656 trees
 - Removals = 288 trees (122 are Ash)
 - Priority Hazards = 54 trees (8+ hazard rating)
 - Medium Hazards = 6586 trees (7-5 hazard rating)
 - Clearance = 1002 trees
 - Preventative maintenance targets these areas
 - Stumps = 358 stumps
 - Vacant Planting sites Lrg tree = 2894 sites
 - Vacant Planting sites Med tree = 318 sites
 - Vacant Planting sites Sm tree = 817 sites
 - Tree replacement planting sites = 493 sites
 - Total potential planting sites = 4522 sites



Map highlights trees that need street clearance

MANAGED FOREST DIVERSITY SUSTAINS THE LOCAL ENVIRONMENT

The Urbana Forestry Program was founded on the preservation of the community's natural environment. Urbana was forced to revitalize its community forest after devastating tree losses from the Dutch Elm disease that ravaged the nation decades earlier. A top priority for the



DEDICATION

The State Street Tree Trail is dedicated to Bruno Schielzeth, Urbana's first City Arborist. One of Mr. Schielzeth's dreams was to diversify Urbana's street tree population, which in 1975 was comprised of 30% Silver Maple and 50% undesirable trees. Thanks to Bruno's efforts and the City's ongoing urban forestry program, Urbana's street tree population has grown to include more than 150 carefully selected species, with no one species representing more than 10% of the population.

Urbana forestry program was to diversify the community with more desirable tree species to protect Urbana's forest from devastating disease and insect infestation such as we are experiencing now with the Emerald Ash Borer. Urbana's first City Arborist set a goal of limiting tree species to no more than 10% of the total population. Over the last 40 years Urbana has gone beyond this goal through a selective removal replacement program and now boasts one of the most diverse urban forests in the Midwest with no one tree species over 6% of the tree population. Urbana's ash tree population is presently below 3% which has saved the city from devastating tree loss due to EAB. Diversification of the forest has also improved public safety by reducing the number of less desirable tree species and maintenance cost through the reduction of storm related tree failures.

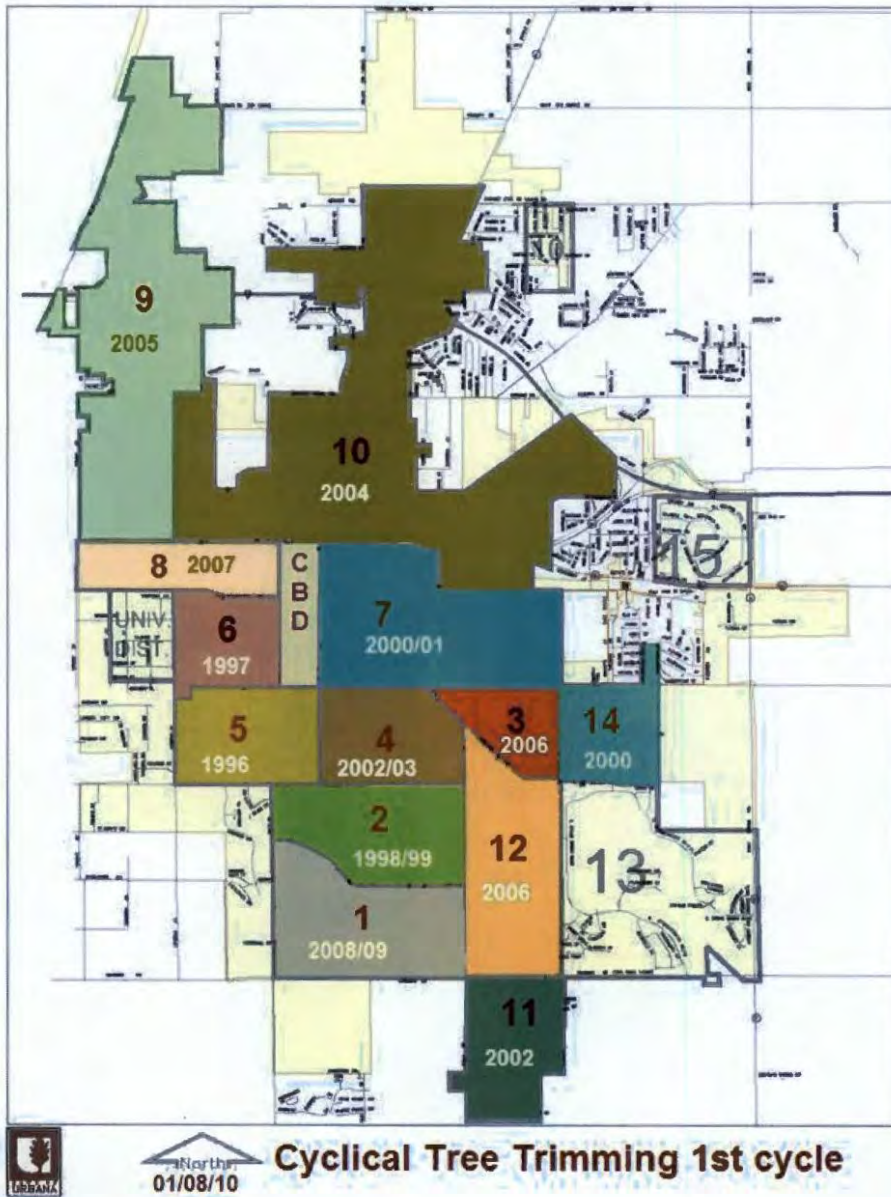
Top 10 tree species

Tree Frequency Report		
Click for locations	Count	Percentage (%)
vacant site large (vacant site, large)	2882	18.91
Acer rubrum (Red Maple)	829	5.44
Acer saccharum (Sugar Maple)	820	5.38
vacant site small (vacant site, small)	816	5.35
Malus spp. (crabapple, flowering)	697	4.57
Acer saccharinum (Silver Maple)	668	4.38
Quercus rubra (oak, northern red)	561	3.68
Tilia cordata (linden, littleleaf)	520	3.41
Pyrus calleryana (pear, Callery)	390	2.56
Acer platanoides (Norway Maple)	330	2.16
Fraxinus pennsylvanica (ash, green)	319	2.09
vacant site medium (vacant site, medium)	317	2.08
Platanus occidentalis (sycamore, American)	314	2.06

PREVENTATIVE TREE MAINTENANCE, EFFICIENCY/PRODUCTION

Prior to 1996 the City never had attempted to organize a structured tree trimming program with a goal of trimming all city trees. It was always thought that staffing levels were just too small. The tree maintenance program was reactionary based and overwhelmed with more citizen requests than staff could address. Tree maintenance efforts were limited to cleaning up fallen tree debris, pulling down hanging limbs, addressing street clearance complaints and resident request trimming. Production was immersed in a high percentage of travel time due to the limited ability to organize the work by location. Even organized lists of tree work were regional at best. The effect this was having was that a high percentage of trees were never being trimmed or repaired. Limbs over streets were allowed to grow large, tree decay was unattended and causing tree failure and tree mortality was high. Tree planting was not keeping up with tree removal and the forest was declining. In 1996 the Arbor Division set aside a percentage of its schedule to initiate a city wide tree trimming / preventative maintenance program. The intent of the program was to trim and repair all city trees in the shortest possible cycle. To accomplish this tree trimming was scheduled by street and neighborhood rather than by resident request. Trees were trimmed tree by tree, street by street. This dramatically increased production by minimizing travel time between trees. With a staff of two arborists it was still unimaginable that a full city wide cycle could be achieved. But the consensus was, at the very least, more trees would be repaired / trimmed on a daily basis. With tenacity and due diligence the first full cycle of preventative tree maintenance was completed in the first half of 2010 after 13.5 years.

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What was involved in the first complete tree trimming cycle?

1996-2010 completed first city wide preventative cycle prune Prevent maintenance prune - 11500 trees

- Street, sidewalk, street light, house and drive clearance pruning was completed
- Pruning targeted removal of dead, decayed and failed limbs
- Codominant, rubbing and conflicting limbs were removed to improve tree structure
- Pruning to improve future structure in trees with repairable problems
- Forestry crews completed an average of 880 trees per year = 13.5 years to complete 11,500 trees (400-500 trees per full time trimmer)
- Six different arbor technicians cycled in and out of the full time positions during this period.

Even though it took 13.5 years the results of this city wide pruning program reduced tree hazards by 57% as illustrated in the tree hazard numbers of pre and post trimming inventory data. In the 1997 tree inventory 316 priority tree hazards (imminently dangerous limbs/trees) were discovered, one year into our preventative tree maintenance initiative. In the 2013 tree inventory, 4 years after our first cycle through the city was complete, 135 priority limb/tree hazards were logged. The Arbor Divisions Preventative Tree Maintenance Program worked to minimize tree hazards. Now if the cycle could be shortened many trees could be saved from decline and eventual removal. Unfortunately forestry has lost momentum on preventative tree maintenance work and has struggled to keep pace with our first cycle.

- ❖ Preferred trim cycle for good urban forest vitality is 4-5 years as per Miller and Sylvester study (Journal of Arboriculture April 1981), 3 year cycle for young tree training
- ❖ City Arborist recommends a goal of maintaining a 6-7 year trim/repair cycle in order to increase Urbana's forest vitality and save hundreds of trees from decline and death

How do we achieve this recommended cycle?

- Prioritize an increase in forestry staff. Forestry should add **two full time Arbor technicians** to its current staff to achieve a 6-7 year prune cycle in order to minimize forest decline.
- Need to maintain a minimum ratio of one full time Arbor Technician for every 2,800 trees

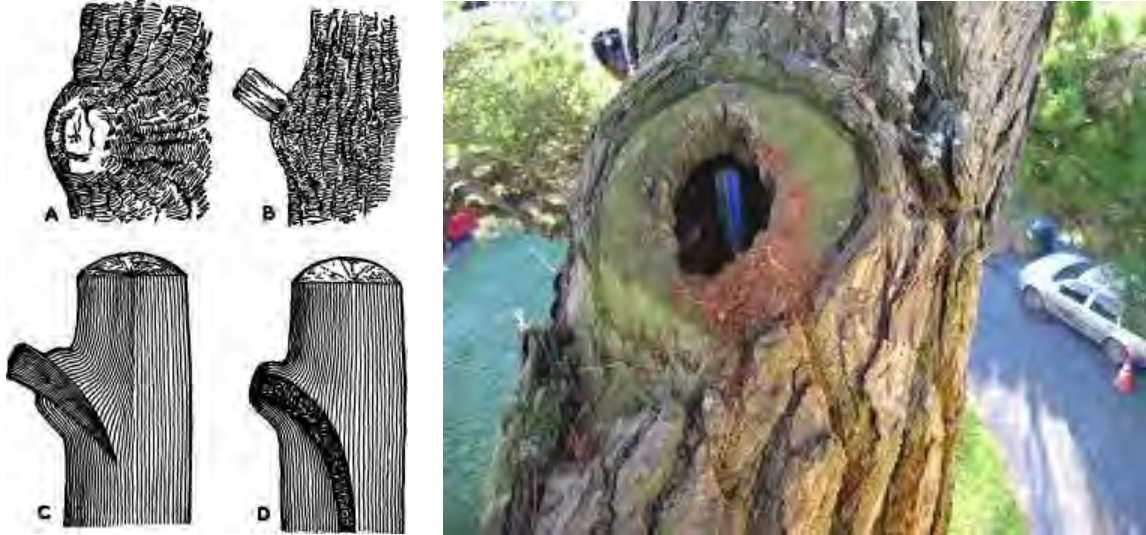
TREE DECLINE RESULTS IN FOREST DECLINE

Why is a shorter trimming cycle key to increasing forest vitality? Shorter trimming cycles results in less tree decay = less decline = less failure = less tree death/loss

Following are illustrations and photos that show the progression of decay, how pruning can limit decay and limb and tree failure initiated by decay.

Tree Decay Results in Limb and Tree Failure

1) Deadwood and large wounds create internal decay



2) Removing/Pruning deadwood and limiting pruning cuts to smaller limbs help trees wall off the spread of internal decay and improve the tree's long term structural integrity



3) Unattended deadwood and damaged limbs will result in decay and eventual failure



Limb Failure

Examples of Urbana Tree Failure due to decay



URBANA FOREST DECLINE NEEDS ATTENTION

Gray and Green infrastructure should to be viewed as symbiotic

1997 Tree Population = **11,225**; 116 linear street miles = 96 trees per linear mile of street

2015 Tree Population = **10909** (as of 3/7/16); 135 linear street miles = 81 trees per linear mile of street

The City is growing and our tree population is declining!

How can we best increase/save our tree population? Best Answer?

“Approach needs to be multifaceted”

- ❖ **Increase tree planting** to 150-200 trees per year (net gain 30-80 trees / year = up to 300-800 trees/10yr) is dependent on staffing levels
- ❖ **Reduce tree removals** through shorter prune cycles and additional tree repair work, minimum 7 year prune cycle goal for all city trees, estimated 40% reduction in mortality (net gain 500 trees/10yr)
- ❖ **Improved tree protection** during infrastructure repair and development, save 10 trees a year through heightened tree protection efforts (estimated net gain 100trees/10yr)
- ❖ **Increase staff** add two full time staff to achieve 6-7 year trimming cycle goal, in addition to shorter pruning cycles increase in staff would increase storm related tree repair (net gain 200 trees/10Yr)
- ❖ **Save** and enhance maintenance on the significant trees of the community, Legacy Trees
- ❖ continue to strive to use **less** road salt

EMERALD ASH BORER



EAB Positive Trees

Urbana is fortunate in that its 40 year effort to diversify the community's forest has decreased the city ash tree population by 500± through managed removal and replacement. This tree swap is now viewed as saving the city roughly \$650,000 (\$1300/tree) in emergency removal costs due to the EAB devastation. In January 2015 Urbana's parkway ash population was just over 4% (497 trees) as compared to the average 10% ash tree populations of Midwest communities.. For reference the City of Champaign began its EAB removal program in 2012 with over 2000 parkway ash trees in the inventory.

Urbana stopped planting parkway ash trees in 1997 due to an undetermined ash decline in younger trees that turned out to be ash yellows and staff preference that turned out to be lucky. EAB was discovered in Michigan in 2002.

Urbana has been actively managing for the arrival of EAB since 2007 by selectively removing and replacing declining and or poorly located ash trees. This effort was limited to existing budget parameters and allowed for the removal and replacement of around 200 ash trees over the last 8 years.

2015 - After finding 68% of our ash tree population infested with EAB it appears that the Emerald Ash Borer is well established and arrived in Urbana a 3-4 years earlier than realized. Below is a breakdown of where we stand on ash trees:

- January 2015 – 497 Standing City Ash Trees
- August 2015 – 466 Standing City Ash Trees (31 infected dead and dying ash removed from Jan – August 2015)
- Sept-Oct 2015 Inspect all City ash trees
 - 263 EAB Infested
 - 58 EAB Likely Infested
 - 321 = 68% of ash trees infested or likely infested
- April 2016 – 280 Standing City Ash Trees (186 ash removed, 133 city staff removals, 53 contract removals, Oct 2015-March 2016)
 - 122 slated for removal from 2015 inspection
 - 158 EAB free
 - 24 Resident treated
 - 10 City treated, 1 of which is a designated Legacy Tree
 - 6-12 candidates for future treatment
- June 2016 & September 2016 – next scheduled ash tree inspections
 - Anticipate finding over 50% (80+ trees) of remaining parkway ash to be infested
- Predict 90% of untreated parkway ash trees to be infested by summer of 2017
- 122 infected trees yet to be removed + 142 soon to be infected trees = 264 ash tree removals to be added to the work load over the next 2 years.

Ash trees become brittle, drop deadwood and fall apart soon after death. In order to prioritize public safety the forestry section has reduced or dropped street, sidewalk, house clearance pruning, neighborhood tree maintenance, intersection and sign visibility clearance pruning to focus on removing as many dying/dead ash trees as possible to minimize the chances of limb falls and tree failure. The results of this postponed work over the next two years will be increased backlog in:

- Stump removal, 358 stumps and growing (estimated backlog 4.5 years, or 3 yrs with assistance of operations staff)
- tree clearance issues, 1002 trees (street, sidewalk, street light, house)
- tree pruning for sign and intersection visibility (3 yr cycle extended to 5-6 yr cycle)
- tree replacements, presently backed up 4 years to 2020 (493 trees)
- **** Most Importantly - Preventative tree maintenance, whole tree trimming/repair has been reduced to 600± trees / year which stretch the cycle to an estimated 17-18 years.**

After EAB abatement is complete and to help increase vigor of our community forest emphasis has to be focused on preventative tree maintenance cycles. If not tree decay and decline will increase due to the lack of tree repair. Preferred trim cycle to optimize urban tree health is 4-5 years. City Arborist recommends a trimming cycle of 6-7 years or twice the 2010 production rate.

What is the Eco Benefit loss of 467 Ash Trees?

\$28,000 less property value; \$29,000 less energy savings (cooling costs)

\$25,000 reduction in storm water benefits; \$1,500 reduction in Greenhouse gas benefits

\$2,400 reduction in air quality

\$86,000 reduction in community Eco Benefits

LEGACY TREE PROGRAM



The *Urbana Legacy Tree Program* is the newest chapter in Urbana's *green* campaign that seeks to garner value through effective communication and utilization of the community.

The program is designed to:

1. Recognize and celebrate Legacy Trees throughout the City, on both private and public properties.
2. Increase public education and awareness about Urbana's tree resources.
3. Encourage the development of an efficient, sustainable, walkable, and economically vibrant community that is sensitive to the preservation of Urbana's trees.
4. Foster public/private collaboration, open dialogue and civic engagement.

Urbana promotes awareness in its Legacy Tree Program as the impetus to preserving trees. Proactive management of a living and growing component of the infrastructure is cost effective as it reduces public hazards, work load and maintenance costs. The *Urbana Legacy Tree Program* takes a proactive approach in engaging the public by actively demonstrating the significance of trees through tangible environmental and economic benefits and publicizing this information along with the location of all community's trees. The solicited information absorbed by the community is to help create a respect for the publicly acknowledged trees. This reverence creates a stronger sentiment, and coupled with the community's involvement in finding these trees, a sense of ownership that affords the tree an alerted watch or public barrier of protection from human-induced damage. The resulting benefits are improved environmental sustainability.

A developing interest

Urbana is a great place for people and businesses to put down roots. One of the many reasons is the city's established urban forest, which is one of the most diverse in the Midwest. Our canopy includes trees that are historic, rare and one-of-a-kind specimens—trees that can bring added value to your development.

The Legacy Tree Program is designed to help you advance your goals, while preserving and protecting our trees. And, we know from past history that Urbana residents welcome developers who respect their natural assets.

Let's work together. Urbana maintains a complete inventory of every tree on public property and can provide detailed information. We're also happy to meet with you to prepare a tree inventory for a private property, as well as offer guidance before building pads, lot lines and streets are engineered. Call us at 384-2502.

Tree benefits by the numbers:

- 20^{mi}** Less air conditioning with 1000+ trees (reduces energy consumption by 3%)
- 10^{mi}** Less air pollution (reduces property value)
- 8-20^{mi}** Increased curb appeal and curb appeal value by 7-10% more
- 7^{mi}** More jobs (15,700 jobs) provided through the tree canopy management program
- 12^{mi}** Support an additional 100,000 lbs of high quality biomass (wood chips, mulch, etc.)

Urbana facts & figures

- We've got inventory**
15,200
Total inventory of trees
- A natural payback**
\$1,940,710.14
Yearly eco benefits (\$111 per tree)
- Property enhancements**
2662,091.17 total surface area
\$496,068.02 value
- Conserving energy**
2,644,803 kilowatts
39,954.36 therms
\$337,405.82 savings
- Absorbing stormwater**
23,232,550.69 gallons
\$620,344.87 savings
- Negating pollutants**
33,505.12 pollutant pounds
\$112,818.27 savings
- Avoiding greenhouse gases**
3,565,379.80 pounds carbon dioxide prevented
4,827,181.88 pounds carbon dioxide sequestered
\$60,062.23 savings

Created by: Dan O'Connell, Planning Director
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Urbana Public Works
700 S. Glover Street
Urbana, IL 61802
217.384.2393
www.urbana.org/arbortree

2014

All Legacy Trees



Sim Hackberry (*Celtic occidentalis*)

312 S. Coler Avenue
Historic Designation, 2014

Urbana's first Legacy Tree, the Sim Hackberry located at 312 S. Coler, was honored posthumously in 2014. The tree that stood 98 feet tall (with a trunk measuring 5 feet in diameter, and more than 16 feet in circumference) is being processed by Autumn Mill in Argenta, Illinois, into wood to be used for other purposes.

[Memorializing the Sim Hackberry](#)



Sycamore (*Platanus occidentalis*)

309 W. High Street
Size Designation, 2014

Estimated at more than 100 years old, this tree stands at 105 feet and its crown spread is 100 feet. Supported by a columnar trunk measuring over 4.5 feet in diameter with a circumference at 14.3 feet, this Sycamore is Urbana's largest parkway tree.

Local resident Theresa Herman nominated the massive tree after admiring it for years. The tree is located on city property and cherished by everyone in the community.

[News Gazette Article](#)



Bur Oak (*Quercus macrocarpa*)

301 Griggs Street
Historic Designation, 2014

This tree is a remnant of the original Big Grove, documented by the Federal Land Survey between 1804 and 1891, and is estimated to be more than 150 years old. It stands 80 feet tall with a trunk measuring 4 feet in diameter and 12 feet in circumference.

Dorothy Neumann, the owner, nominated the tree that many recognize as an icon of the neighborhood. Dorothy has grown to share a special bond with the tree that soars over Griggs street from her front yard. "The tree is much more valuable to me than the house, because it's more irreplaceable," Dorothy said. "A house can be rebuilt, but a 150-year-old tree can't be replaced."

[Ciliving.tv Video](#)

2015



'Hessei' European Ash (*Fraxinus excelsior* 'Hessei')

2316 S. Cottage Grove Avenue
Rarity Designation, 2015

This 43-foot tree is the only European single-leaved Ash in the City of Urbana tree inventory. It has a spread of 60 feet.

With the threat of Emerald Ash Borer spreading across Illinois and found to be present in Urbana and Champaign trees, this Ash was treated with a preventive injection in June 2015.



Compact Tuliptree (*Liriodendron tulipifera* 'Ardis')

705 S. Busey Avenue
Rarity Designation, 2015

Standing at 45 feet, this compact variety of the Tuliptree is the only known 'Ardis' variety in Urbana. Considered rare in the nursery industry, this example also boasts a 35-foot spread.

According to historical records, it's believed this tree was planted by University of Illinois Horticulture Professor and Plantsman Joseph C. McDaniel.



Chestnut Oak (*Quercus montana*)

711 W. Main Street
Size Designation, 2015

With matching height and spread at 85 feet each, this is the largest Chestnut Oak on Urbana city parkways, and large for its species in general.

Formerly called *Quercus prinus*, the tree is also known as Basket Oak, Rock Oak or Rock Chestnut Oak.



Sugar Maple (*Acer saccharum*)

901 S. Busey Avenue
Size Designation, 2015

At a height of 80 feet and a circumference of 42 feet, this tree ranks among the top 1% of all trees in Urbana, and among the top 5% of all sugar maples.

The parkway sugar maple was nominated by Susan and Claude Cole who live nearby and appreciate the character this 75-year-old tree adds to their neighborhood.



Hybrid Oak (Exact species/variety unknown)

1303 N. Cunningham Avenue
Rarity Designation, 2015

This very rare hybrid oak, located on the grounds of Cunningham Children's Home near the southwest corner of Cunningham Avenue and Country Club Road, stands at 53 feet with a spread of 53 feet. It is the only known oak in Urbana with both entire and multi-

lobed leaves on the same tree.

Professional arborists guess that it could be a cross between a Shingle Oak and a Pin Oak, or perhaps a hybrid known as Schoch Oak (*Quercus x schochiana*) that is a cross between a Willow Oak and a Pin Oak. Or it may be neither of these. If you have insights about the tree, share them with City Arborist Mike Brunk at legacytrees@urbanainllinois.us.



Goldenraintree (*Koelreuteria paniculata*)

715 W. Washington Street
Size Designation, 2015

At an estimated 45-foot height, this tree is the largest of its variety on city parkways, and also boasts an unusual multi-stem trunk, with its largest stem measuring 19 inches in circumference.

Urbana City Arborist Mike Brunk notes that the tree is of Asian origin, introduced into cultivation in 1763, and features paper-like lantern pods and yellow flowers in June.



Sugar Maple (*Acer saccharum*)
 724 S. Broadway Avenue
 Size Designation, 2016

In a way, this sugar maple played a role in the City's passage of the Legacy Tree ordinance in 2013. The tree was the focus of public discussion in 2002 when it was threatened with a devastating clearance pruning associated with the potential relocation of a home from Washington Street to Broadway Avenue. This action would have destroyed the tree's full crown and structure. The house didn't get moved, but the City gained new understanding of how deeply residents care about their trees — information that helped bring about this program to celebrate, recognize and protect Urbana's most significant trees.

Already listed as "notable" in Urbana's tree inventory, the more than 100-year-old specimen has a height of 61 feet and a crown spread of 75 feet, placing it among the top 1% — or among the best 11 — of all sugar maples in Urbana.

LANDSCAPE RECYCLING CENTER, WHATS NEW

LANDSCAPE RECYCLING CENTER WEBSITE

www.landscaperecyclingcenter.org

and Facebook page

www.facebook.com/LandscapeRecyclingCenter

Landscape Recycling Center
 A not-for-profit facility serving Champaign County

HOME ABOUT RESIDENTIAL COMMERCIAL RECYCLED PRODUCTS FIND US LEARN

FROM BROADWAY AVENUE TO YOU
 New product: Street pavers from North Broadway Avenue are ideal for driveways, patios, walkways, BBQs and fire pits.

Welcome!
 We are a not-for-profit facility that turns local yard debris such as grass clippings, brush and plant cuttings into useful mulches and compost for the home and garden. Other products such as granite fines, asphalt millings and street pavers are materials that have been specifically salvaged for recycling. All of our products are for sale to residents, landscapers, nurseries and other businesses.

Landscape Recycling Center
 Like Page 122 likes

Have you heard of log lanterns?
 Follow these instructions to make your own!
<https://www.youtube.com/watch?v=C1eDyoK3SE8>... See More

Landscape Recycling Center
 March 24 at 3:30pm

Spring/Summer/Fall Hours
 March 7, 2016 - December 17, 2016
 OPEN Monday - Saturday 8:00am - 4:00pm
 CLOSED Sundays and Holidays

Contact
 1210 East University, Urbana
 217 344-LEAF (5323)
[Directions](#)

Copyright 2015 Landscape Recycling Center | www.landscaperecyclingcenter.org | 1210 East University, Urbana, Illinois | p217.344.5323

Rotating web page banners



HOME ABOUT RESIDENTIAL COMMERCIAL RECYCLED PRODUCTS FIND US LEARN

A large pile of grey, crushed asphalt millings is shown against a background of green trees. The text "START WITH A RECYCLED FOUNDATION" is overlaid in white. Below the title, a paragraph describes the product: "New product! Screened asphalt millings, made from recycled road asphalt, are great for driveways or as a base for patios and other projects." An orange arrow icon is in the bottom right corner.

START WITH A RECYCLED FOUNDATION

New product! Screened asphalt millings, made from recycled road asphalt, are great for driveways or as a base for patios and other projects.

A man in blue shorts is watering a large pile of brown organic material with a silver watering can. Two other people are visible in the background near a brick wall. The text "LRC INSPIRES FACILITY IN AFRICA" is overlaid in white. Below the title, a paragraph describes the project: "The City of Zomba, Malawi adopted LRC's methods to reclaim organic material from trash, processing it into compost that benefits the country's agriculture industry." An orange arrow icon is in the bottom right corner.

LRC INSPIRES FACILITY IN AFRICA


The City of Zomba, Malawi adopted LRC's methods to reclaim organic material from trash, processing it into compost that benefits the country's agriculture industry.

A video player interface showing a scene of a composting facility with yellow tractors and large piles of dark brown compost. The text "WATCH HOW LRC MAKES SUPERIOR QUALITY COMPOST FROM LOCAL LANDSCAPE DEBRIS." is overlaid in white. A YouTube logo is in the top left corner. An orange arrow icon is in the bottom right corner. The video player controls at the bottom show a progress bar at 0:56 / 3:04.

WATCH HOW LRC MAKES SUPERIOR QUALITY COMPOST FROM LOCAL LANDSCAPE DEBRIS.

LRC's YouTube video

<https://www.youtube.com/watch?v=Zxox4KWk7D4>



The video shows a large-scale landscape recycling operation. A yellow tractor is positioned in the foreground, working on a large pile of mulch. In the background, a massive, dark brown mound of mulch stretches across the site. The ground is a mix of dirt and mulch. The sky is clear and blue.

Landscape Recycling Center
UPTV6
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Windows taskbar: 7:07 PM 4/5/2016



Recycled Products

Shredded Mulches



Premium Shredded Hardwood Mulch

Rich dark chocolate brown in color and fine fibrous texture

Made from: Brush and log material with a percentage of mixed greens that are milled and composted to a perfect age before being milled a second time into a fine fibrous mulch.

Applications: Easy to plant through, work into soil and will stay in place even on inclines. Excellent for trees, shrubs, perennials and annual flowers and spring flowering bulbs.

35-55 Gallon Bags/Containers: \$5 | Bulk: \$25/cubic yd



Standard Shredded Hardwood Mulch

Rich dark chocolate brown in color and medium-fine fibrous texture (more coarse than our premium shredded, so does not break down as quickly)

Made from: Brush and log material with a percentage of mixed greens that are milled and composted into nicely aged medium textured mulch. This high quality medium textured mulch is LRC's standard shredded mulch.

Applications: Easy to plant through, work into soil and will stay in place even on inclines. Excellent for trees, shrubs, perennials and annual flowers and spring flowering bulbs.

35-55 Gallon Bags/Containers: \$5 | Bulk: \$20/cubic yd



Acidifier Mulch (Shredded Pine Mulch)

Shredded light golden pinewood mixed with pine straw medium texture (quantities limited)

Made from: Wood from the community Christmas Tree Recycling Program.

Applications: Excellent for acid-loving plants such as azaleas, rhododendrons, blueberries, pin oaks and various conifers. Not recommended for areas to be worked by hand due to the prickly nature of mixed needles (pine straw) in the mulch.

35-55 Gallon Bags/Containers: \$5 | Bulk: \$15/cubic yd

Chipped Mulches



Premium Chipped Hardwood Mulch

Carmel to dark brown and uniform fine chip-like texture

Made from: By-product of local tree trimming materials. Select chips are composted and aged for several months before being milled into a top grade, uniform product.

Applications: Excellent for pathways and garden trails as well as around trees, shrubs, perennials and annual flowers and spring bulbs. Interesting companion mulch when paired with shredded mulch due to its different texture.

35-55 Gallon Bags/Containers: \$5 | Bulk: \$25/cubic yd



Select Chipped Hardwood Mulch

Light tan to silver gray and chip-like texture may include twig and leaf debris

Made from: By-product of public and private tree maintenance. Carefully selected wood chips from only the sharpest wood chippers that are screen tested to meet minimum quality standards. This choice mulch is composted for three months to create nicely aged chipped mulch that represents the best of chipper mulches.

Applications: Mulching woody plant material. Note: green chip material from fresh cut wood can deplete soil of nitrogen and should be composted several months before use around tender perennial plants and annual flowers.

35-55 Gallon Bags/Containers: \$5 | Bulk: \$20/cubic yd

Composts



Screened Garden Compost

Black loam appearance, very fine texture

Made from: 100% local leaf and other plant material. Requires over a year to complete the process of turning, screening and stockpiling.

Applications: Excellent soil amendment that enriches and improves both sandy (adds water retention capabilities) and clay (adds porosity and air space) soils. Can also be used as a top dressing for lawns or worked into flower and vegetable gardens. Great for container gardening as well! Average pH is 7.5.

35-55 Gallon Bags/Containers: \$5 | Bulk: \$25/cubic yd | 5 Gallon Refillable Bucket: \$15+Free Refills



Mushroom Compost (quantities limited)

Light brown and very fine textured material that can retain manure odor for several weeks

Made from: Hardwood bark material and horse manure.

Applications: Excellent as a soil amendment and for top dressing gardens. Also used to grow mushrooms. Typically alkaline with an average pH range of 7.5 - 8.0.

35-55 Gallon Bags/Containers: \$7 | Bulk: \$35/cubic yd



Other Materials

Pulverized Topsoil Blend

Organically enriched clod-free premium topsoil with good structure and a fine grade of texture

Made from: Premium topsoil from our local community that is pulverized and blended with 1/3 compost.

Applications: General use topsoil that is free of clumps and clods. The addition of organic material improves soil aeration and water retention.

35-55 Gallon Bags/Containers: \$7 | Bulk: \$45/cubic yd



Firewood

Cut Firewood

Choice of 15 pieces: \$7 | Rick: \$70

Bulk Firewood

Free



Recycled Red Granite Fines (quantities limited)

Maroon red and fine gravel/sandy texture

Made from: Decomposed granite material is a by-product in granite excavation.

Applications: Excellent medium for hard surface pathways, driveways and patios. Fine texture allows it to be swept between pavers. Also useful around building foundations where something other than wood mulch is desired.

5 gallon bucket: \$7 | Bulk: \$105/ton



Recycled Orange Granite Fines (quantities limited)

Burnt orange and fine gravel/sandy texture

Made from: Decomposed granite material is a by-product in granite excavation.

Applications: Excellent medium for hard surface pathways, driveways and patios. Fine texture allows it to be swept between pavers. Also useful around building foundations where something other than wood mulch is desired.

5 gallon bucket: \$5 | Bulk: \$85/ton



Screened Asphalt Millings

Varying from whitish to silvery gray pebbles

Made from: Recycled road asphalt that is milled and then screened to 5/8" size aggregate pieces.

Applications: Excellent material for hard surface driveways as an alternative to oil and chip. Also can be used as a base for patios, walls and fence post footings. Higher temperatures and repeated traffic will compact the material into a solid form over time.

Bulk: \$15/ton



Broadway Street Pavers

Vintage look in muted earth tones

Made from: Removed from North Broadway Avenue when the road was repaved, these century-old brick pavers are 3.5" wide by 3.75" high by 9" long and weigh 9 pounds each.

Applications: Excellent material for driveways, patios, walkways, BBQ and fire pits, as well as for landscape edging; built to last another 100 years.

Bulk: \$0.50 each when selected from "U-Pick" piles and self-loaded into vehicle OR \$1.00 each in 250-brick allotments when available. Note: Brick cleaning and stacking is dependent on time, weather and labor availability.

About our products

Organic materials brought to LRC are processed into mulches and composts that are 100% natural with no additives or chemical dyes. All mulches are made from indigenous woods that are by-products of local tree maintenance—no exotic, Canadian, Pacific Northwest or South American Rainforest wood species. Other products such as granite fines, asphalt millings and street pavers are materials that have been specifically salvaged for recycling.

Delivery

LRC offers delivery upon request. All deliveries must be prepaid before they are added to the delivery schedule. If you need to reschedule, you must contact us two days prior to the delivery date. We will only reschedule one time based on the demands of our delivery schedule. All products have a four-yard minimum order. For further information, visit our website.

Zone 1: 5-mile radius of LRC = \$25
Zone 2: 10-mile radius of LRC = \$30

Zone 3: 20-mile radius of LRC = \$50
Zone 4: 40-mile radius of LRC = \$60

LANDSCAPE RECYCLING CENTER
MONTHLY TOTALS SPREADSHEET

FY92 to date	Dec-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15
DISPOSAL						
Brush, yd ³	492	902.5	1568.5	2062.5	2330	2662.5
Grass, yd ³	16.5	43.5	31	33.5	29	79.5
Leaves, yd ³	1435.5	1802	483.5	10	16	21
single bag	105	106	134	310	340	467
bag totals divided by 6 = cubic yards	17.50	17.67	22.33	31.67	56.67	77.83
Chips, yd ³ (red = free disposal is in effect)	996	786	778.5	562	760	808.5
Roll Off, yd ³	40	150	40	58	50	0
Bulkwood, yd ³	34	24	26	31.5	26	24
Compact mix, yd ³	10	12	27	58	128	157
Compact clean, yd ³	250	1340	215	0	0	0
street leaves	56	56	32	20	0	0
\$22 min	--	--	--	--	--	--
minimum fee \$5.00	339/\$1695	423/\$2115	574/\$2870	714 / \$3750	867 / \$4335	1051 / \$525
Dirt	32.5	43	100	78.5	73.5	57.5
Monthly Total Disposal yd³ by spreadsheet totals	3380.00	5176.67	3323.83	2965.67	3469.17	3887.83
Monthly Total Disposal yd³ (by finance report)	3306.5	5103	3269.5	2894	3412.5	3810.00
FY TOTAL OF Total Disposal yd³	21795.5	18489	13386	10116.5	7222.5	3810
MATERIAL RESALE						
Month and year	Dec-14	Nov-14	Oct-14	Sep-14	Aug-14	Jul-14
PHMulch yd ³	27	49.5	197	230.5	345.5	608.5
HMulch by bag	1	6	21	16	21	38
PMHMulch yd ³	34	117	161	32.5	18.5	66
PMHMulch by bag	--	--	--	--	--	--
EHMulch yd ³	0	0	0	0	0	0
Prenchip yd ³	18.5	3.5	108	116	221.5	157.5
Ecochip yd ³	--	--	--	--	--	--
Select chip yd ³	16.5	7	70.5	74.5	75.5	159
Chips by bag	0	2	13	4	13	12
PMulch yd ³	0	0	0	0	0	0
PMulch by bags	0	0	0	0	0	0
GComp yd ³	--	--	--	--	--	--
Premium Topsoil Blend	9.5	16	91.5	153	124.5	102.5
Premium Topsoil Blend by Bags	1	2	16	16	17	7
SGComp yds	12.5	69.5	142.5	130.5	132.5	105.5
GComp by bags	1	7	10	10	19	16
MComp yd ³	2.5	32	34	6	5.5	14.5
MComp by bags	0	2	2	2	4	7
Potting soil blend yd ³	--	--	--	--	--	--
Potting soil blend by bags	--	--	--	--	--	--
bag totals divided by 6 = cubic yards	0.50	3.17	10.33	8.00	12.33	13.33
monthly total cubic product sales cu. yd.	121.00	297.67	814.83	751.00	935.83	1226.83
FY TOTAL OF Total Sales yd³	4147.17	4026.17	3728.50	2913.67	2162.67	1226.83
Firewood Ricks	10	13	0	0	0	0
Firewood Split	3	8	0	0	0	0
Other	\$1,362.00	\$764.00	\$747.00	\$156.50	\$240.00	\$535.00
Delivery	\$105.00	\$560.00	\$1,365.00	\$885.00	\$955.00	\$1,255.00

These spreadsheets, records back to 1992, are used by staff to study disposal and sales trends

LANDSCAPE RECYCLING CENTER
Excerpt From
VEHICLE/EQUIPMENT/BUILDING REPLACEMENT SCHEDULE

	2014-2015	2015-2016	2016-2017	2017-2018
DUMP TRUCK, CLASS 3 (#1, 10 YRS)				
PICKUP TRUCK, 3/4 ton 4WD (#1, 10 YRS)				
WHEEL LOADER #2 (#2, 9 YRS)				
TICKET BOOTH (#1, 35 YRS, YR. 2043)				
ROAD MAINT./REHAB (#1, 3 YRS)			REHAB 55,381	
ENTRANCE SIGNAGE (#1, 7 YRS)				
LRC GARAGE REHAB. (#1, 25 YRS)				
GAS POWERED AIR COMPR (#1, 7 YRS)			REHAB 3,472	
SCREENER MACHINE (#1, 10 YRS)				BUY 325,000
SUPER AX (#1, 10 YRS)				
UC2B (#1, 5 YRS)				
ENDLOADER TIRES (#2, 4 YRS)		REPL #1 9,500		REPL #2 9,880
GRINDER SCRIN REPL (#1, 2 YRS)	REPL 3,353		REPL 3,100	
EQUIPMENT REHAB (USE WHEN NEEDED 10,000+/yr)				
TOTAL PURCHASES	21,013	19,676	524,153	334,880
CARRYOVER BALANCE	509,506	702,189	839,169	477,939
FUNDING TRANSFER	197,093	156,656	162,922	169,439
CARRIED OVER TO NEXT YR as per find	702,189	839,169	477,939	312,498
anticipated op expenditures	(549,928)	(560,926)	(572,145)	(583,588)
necessary carryover	(197,093)	(156,656)	(162,922)	(169,439)
total liability	(747,021)	(717,582)	(735,067)	(753,027)

Funding transfer in yellow shows the funds needed each fiscal year to follow present equipment replacement schedule. This schedule is based on revenue projections for the next ten years. On this excerpt the left arrow is noting a 20% drop in expected revenue/available transfer funds for 2015/16 and is based off revenue trends from monthly totals. The right arrow projects a 3% increase in the following years. This is a conservative growth projection that sets a revenue goal for the operation. This VERF schedule keeps LRC expenditure needs in the forefront and helps staff manage a self-sustaining budget. Equipment replacement costs and schedules are paramount to the operation with 1.9 million invested in equipment.

If the revenues do not meet projected expectations the equipment schedule would be restructured with lower priority replacement needs prolonged.

LANDSCAPE RECYCLING CENTER, IS THE FUTURE VIABLE

The Landscape Recycling Center relies on volume to maintain an acceptable fee structure for the public. It is important to maintain an aggressive marketing approach to seek out potential recyclers. The transient nature of the CU community means there is always a percentage of residents who are unaware of LRC. It is also becoming more and more important to reach out to surrounding communities to attract new recyclers. The decision of the Champaign Public Works Department to seek more cost effective means to dispose of their leaves is unfortunate for LRC. This lost revenue, approximately \$50,000, was countered with a \$1.00 per cubic yard disposal increase and sales product increases that took place as Champaign was transitioning out of LRC use. LRC can survive but it may mean that equipment replacement schedules will need to be adjusted and non-essential expenditures such as the UC2B connection and the main office/garage building study/expansion could be postponed until operational revenues are stabilized.

2015 16 ARBOR HIGHLIGHTS

- Focused Arbor VERT reorganization netted \$100,000 in savings
- Acquired \$57,000 in outside funding (56% sponsorships, 21% state/fed grants, 19% tree damage claims, 4% Cooperative Tree Planting and Legacy Tree programs)
- 40 year Tree City USA award
- Illinois Chapter APWA Project Award for 2016 in “Management Innovation” Legacy Tree Program
- 2nd edition of Under the Canopy, distributed to 40+ communities
- Assisted U of I in acquiring 1st Tree Campus USA award
- Sim Hackberry milling of lumber, ready for public sale spring 2016
- 10 New Legacy Trees
- Inspected 500 city ash trees
- 450 citizen concerns inspected/addressed
- 1800 trees pruned
- 156 trees planted
- 196 trees removed
- Sustainable Hanging Baskets installed
- Art in the Park artist designed granite furniture installed (granite material was acquired by arbor for no cost through written request to the US General Services Administration from a Chicago bldg. project)
- Processed one millionth cubic yard of landscape waste
- LRC Facebook Page
- Created LRC video short
- Farmers Market seating areas

SEEING THE FOREST FOR THE TREES! ARBOR DIVISION HAS BEEN A SOUND INVESTMENT

HISTORIC PROGRAM HIGHLIGHTS

- Longest standing municipal forestry program in the state
- Completed two large scale community entryway beautification projects (N. Lincoln/I74, N. Cunningham/Obrien Dr.) with 90% of the cost absorbed through Greenscapes funding, partnerships and grants
- Completed first tree trimming cycle for entire city (13 years, completed in 2010)
- Established and maintain a fully self-supported landscape waste recycling center by changing the perception of waste and maintaining a quality staff (24 yrs.), One millionth cubic yard of debris recycled in 2015
- Created award winning and revenue generating publications some of which are recognized throughout the state (all were 100% funded through grants and sponsorships).
 - Urbana Greenscapes
 - Tree Growing Guide of Central Illinois, later expanded to include Southern and Northern Illinois versions
 - Urbana State Street Tree Trail
 - Under the Canopy, A Guide to Selecting, Planting and Caring for Trees in Illinois
 - (125,000 copies of Under the Canopy have been distributed across Illinois and surrounding states generating \$110,000 in sponsorship and sales revenue since 2007).

- Helped create legislation that still stands today (public Act 92-0214 utility tree trimming)
- Fourth Grade writing campaign inviting Vice President Al Gore to Urbana's Arbor Day Celebration (1995)
- Formed bonds and partnerships to advance community green efforts,
 - Urbana Park District, Champaign County, City and Villages of Champaign, Decatur, Bloomington, Normal, Rantoul, MTD, U of I Extension, U of I, SIU, WIU, Busey Bank, Urbana School District, Illinois Arborist Assoc., Morton Arboretum, Ameren Illinois, Illinois Municipal League, United States General Services Administration, Illinois Dept. of Natural Resources, Champaign Design and Conservation Foundation, Community Foundation of East Central Illinois, Champaign Cycle, Autumn Mill, CU Woodshop, Common Ground Food Coop, Greenscapes and Legacy Tree donors.
- Enlarged tree maintenance program to include preventative tree maintenance, visibility clearance, city street construction clearance and young tree training without addition of full time personnel
 - Forestry is the only section in Public Works not to increase FTE's over last 30 years. As a comparison City of Champaign has increased forestry staff from two to five in the same time frame.
- Maintains a safe work environment with no forestry related injuries or accidents, going on two decades, which is considered by the City's insurance consultant as "the most dangerous job in the city"
- Acquired a running total to date of \$257,000 in outside funding for program projects and support
- Illinois Governor's Urban Awards Program / Best Partnership, City of Urbana and Champaign County Design and Conservation, Entryway Beautification (1993)
- Illinois Department of Natural Resources Certificate of Achievement for Leadership in development of Central Illinois Tree Growing Guide (1998)
- White House Millennium Council Award recognizing Urbana's commitment to the community's natural environment (2000)
- Preservation and Conservation Heritage Award for the Urbana State Street Tree Trail Guide (2003)
- American Public Works Association National Award of Exceptional Performance in Journalism for the creation of the Under the Canopy publication (2008)
- Generated \$10 million to date in recycling revenue through the Landscape Recycling Center Program



THE VICE PRESIDENT
WASHINGTON

January 27, 1995

FEB 6 1995

The Honorable Tod Satterthwaite
Office of the Mayor
400 South Vine Street
P.O. Box 219
Urbana, Illinois 61801

Dear Mayor Satterthwaite:

I want to take this opportunity to once again thank the school children from Urbana for inviting me to attend their upcoming "Tree City USA" celebration. While I regret that my schedule prohibits me from attending this celebration, certainly, I hope that they have a successful and productive event.

As you may know, I have a special interest in environmental issues, and I understand the essential role that trees play in our ecosystem. It is important to recognize the value of preserving our resources in a manner that will promote conservation and responsibility.

Certainly, by planting trees across the country on Arbor Day, citizens will become more aware of the importance of maintaining a healthy environment. This Administration is committed to preserving the tradition of Arbor Day, and a special commemoration in honor of this day takes place each year.

Again, please extend my thanks to the Urbana school children for their generous invitation. I wish you all the best of luck as you continue to plan the celebration.

Sincerely,


Al Gore

AG/jec