



## PARKS, RECREATION & FORESTRY

1900 AVIATION DRIVE  
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### Street Tree Planting Program Spring, 2020

Our spring street tree planting program will be similar in number to last spring, consisting of 379 trees. Of these trees, 312 or 82% are replacement trees, the majority of which have resulted from the removal of ash trees due to the Emerald Ash Borer (EAB). We are continuing an aggressive approach of removing the unprotected ash trees which are beginning to show increased signs of decline from the effects of the borer. Our policy continues to be to replace all trees that have been removed with the exception of sites that are lacking the room for a new tree or where utilities prohibit the planting. All efforts are made to replace our trees.

Plantings will continue to be primarily in the Fox Lake Village, Howell Oaks Estates and Timber Ridge subdivisions. The level of new home construction looks to be about the same due to the level of building activity observed in these subdivisions. We will be replanting 19 trees lost to EAB at the William R. Oliver Sports complex.

Finding available trees from nurseries continues to be a challenge. The average price of trees has increased slightly from last spring. The process of purchasing trees through a “growing agreement” to alleviate this problem will continue this year. Species diversity is still a priority as well as quality nursery stock to ensure the continuation of a healthy urban forest facing various urban and environmental challenges.

Thank you for your continued support!

Mike Talaska  
Assistant City Forester  
Department of Parks, Recreation and Forestry



# City of Waukesha

## Spring 2020 Tree Planting Summary

<b>TYPE</b>	<b>WITH CHARGE</b>	<b>WITHOUT CHARGE</b>	<b>TOTAL</b>
Fill In	61	3	64
Replacement	0	293	293
Request	0	0	0
Retirement	0	2	2
Memorial/Dedication	1	0	1
Accident	0	0	0
Park	0	19	19
<b>TOTALS</b>	<b>62</b>	<b>317</b>	<b>379</b>

**1.75" – 2" Caliber (B&B)**

**32 Cultivars**

**Cost Assessment Recommendation: \$235.00 / tree**

**2/17/20**

# Tree Planting Assessment Charge History 2020

Year	Charge	\$ Difference	% Difference
2005	102.00	\$12	13.3%
2006	115.00	13	12.7%
2007	155.00	40	34.7%
2008	165.00	10	6.4%
2009	175.00	10	6.0%
2010	185.00	10	5.7%
<b>Break-even</b>	<b>\$186.00</b>	<b>Cost to plant</b>	<b>One tree</b>
2011	190.00	\$ 5	2.7%
2012	195.00	\$5	2.6%
2013	195.00	----	----
2014	195.00	----	----
2015	195.00	----	----
2016	205.00	+ \$10	5.1%
2017	205.00	----	----
2018	220.00	+ \$15	7.3%
<b>Break-even</b>	<b>234.00</b>	<b>Cost to plant</b>	<b>One tree</b>
2019	235.00	+ \$15	6.8%
2020	235.00	----	----

## Tree Planting Breakdown

(On aver. 450 to 550 trees per season)

20 trees / day

Average tree cost = \$148.72 / tree  
(Using 2020 spring tree bids)

Direct Labor cost is \$28.70/hour  
(Using 2020 Arborist labor rates)

Locate site, diggers and mark	.25hrs
Load tree and travel to site	.25hrs
Dig the site and prep hole	.5hrs
Plant the tree	1.0hrs
Backfill hole	.5hrs
Mulch and water in	.5hrs
Total	3.0

3.0 @ \$28.70/hr. = \$86.10

**Aver. tree cost @ \$148.72 + Direct Labor cost @ \$86.10 = \$234.82**

## 2020 Forestry Division Update Year in Review

<b>Tree Population</b>	<b>24,725 Street Trees</b>	<b>3347 Park Trees</b>
	<b>88%</b>	<b>12%</b>

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<b>Pruning:</b>	<b>2019</b>	<b>2018</b>
• Train Pruning	1497	1497
• Full Street Pruning	620	1305
• Request Pruning	779	510
• Park Tree Pruning	486	75
<b>TOTAL Trees Pruned</b>	<b>3382</b>	<b>3387</b>

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### Removals:

#### FEWER REMOVALS DUE TO LATE JUNE STORMS

Total (2018) (Total Trees 957)      Ash (556) (58%) All Others (401) (42%)

Total (2019) (Total Trees 702)      Ash (342) (49%) All Others (360) (51%)

Contracted Removals: 53 Trees

### Service Requests: Up 21.7% from 2018

Total Requests 882    Storm 316-(36%) Pruning 213-(24%) Misc. 125-(14%)

### Planting: UP 26% from 2018 (40 YR TREE CITY USA, MORE ASSESSED & REPLACEMENTS)

Total Planted 595    New Plantings (125) Replacements (415) Other (55)

### Ash Update:

Total Ash (4094 Total Ash Trees)      Streets 3808    Parks 286

Total Injected (Protected) **3,526** (86%)      **568** Unprotected (14%)

Injected in 2019    **720** Trees Total = Re-Treatments **720** + New Treatments **0**

**\*Year 4 of 5 year Removal Program    1768 Ash Trees Removed : So Far**  
**568 Ash Trees Remaining**

Last Year Remaining    568 Ash/yr.

Previous 4 Year Ave.    442 Ash/yr.

## Forestry Maintenance History

Year	Service Request	Trees Planted	Trees Removed	Trees Pruned	Comments
1998		1083			
1999		517			
2000		825			
2001		750			
2002		743		6,599	
2003		602	167	4,033	
2004	456	<b>666</b> 600=Street *36 = Park	185	<b>3819</b> 1,543 = REG. 2,276 = Train	*Last year of Park Tree Replacements
2005	483	568	303	<b>3783</b> 1,613 = Reg. 2,170= Train	
2006	478	488	380	<b>5365</b> 2,891= Reg. 2,474= Train	
2007	488	537	306	4,134	Add Chipper W/ Winch
2008	511	380	247	4,270	\$71.85/tree
2009	501	349	325	4,372	Operations Manager \$100.87/tree
	<b>Loss</b>	<b>of</b>	<b>Arborist</b>		
2010	591	337	328	3,911	\$92.96/tree
2011	581	407	317	4,786	\$85.85/tree
			6 yr. average 316		
2012	408	268	324	3,621	
2013	421	348	416	3,050	
2014	635	409	549	3,306	
2015	566	447	574	2,870	2nd Chipper W/ Winch
2016	644	544	758	2,839	
2017	695	617	684	3,154	
2018	725	473	957	3,387	
2019	882	595	702	3,382	5 yr removal av=735

