



PARKS, RECREATION & FORESTRY

1900 AVIATION DRIVE
WAUKESHA, WISCONSIN 53188-2471
TELEPHONE 262/524-3737 FAX 262/524-3713

Ron Grall, Director
rgrall@waukesha-wi.gov

Street Tree Planting Program Spring, 2022

Our spring street tree planting program will be smaller than last spring and will consist of approximately 371 trees. Of these trees, 313 or 84.4% are replacement trees, which have resulted from the removal of ash trees due to the Emerald Ash Borer, storms and general tree decline due to age and condition. We are continuing to remove ash trees that have been treated, but which are increasingly showing signs of decline from the effects of the borer. Our policy is 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 preclude planting. All efforts are made to replace removed trees.

Our spring planting program will include 55 new development plantings. This is a significant increase from last year. These plantings will primarily take place along Fleetfoot Dr. in Aldermanic District 9. The current level of new, single-family home construction has slowed considerably, compared to activity observed in previous years.

Finding available trees from nurseries continues to be a challenge. The average price of trees is increasing, also, delivery fees are becoming more of an issue. Species diversity continues to be 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
Forestry Supervisor
Department of Parks, Recreation and Forestry



Tree Planting Assessment Charge History 2022

Year	Charge	\$ Difference	% Difference
2008	165.00	10	6.4%
2009	175.00	10	6.0%
2010	185.00	10	5.7%
Break-even	\$186.00	Cost to plant	One tree
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%
Break-even	234.00	Cost to plant	One tree
2019	235.00	+ \$15	6.8%
2020	235.00	----	----
2021	235.00	----	
2022	250.00	\$15 Increase	6.4%

Tree Planting Breakdown

(On aver. 500 to 600 trees per year – Spring + Fall)

20 trees / day

Average tree cost = \$157.00 / tree
(Using 2021 spring tree bids)

Direct Labor cost is \$29.24/hour
(Using 2021 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 @ \$29.82/hr. = \$89.46

Ave. tree cost @ \$157.00 + Direct Labor cost @ \$89.46 = \$246.46

City of Waukesha
Spring 2022 Tree Planting Summary

TYPE	WITH CHARGE	WITHOUT CHARGE	TOTAL
Fill In	51	4	55
Replacements	0	311	311
Requests	1	0	1
Storm	0	2	2
Memorial/Retirement		2	2
Accident	0	0	0
Parks	0	0	0
TOTALS (Approx.)	52	319	371

1.75" – 2" Caliber (B&B)

35 Cultivars

Cost Assessment \$250.00 per tree (pending approval)

12 January 2022

2022 Forestry Division Update Year in Review

Tree Population	24,494 Street Trees 88.5%	3,198 Park Trees 11.5%
------------------------	--	---

Pruning:	2021	2020
• Train Pruning	1697	1714
• Full Street Pruning	2077	1244
• Misc. Pruning	4	357
• Park Tree Pruning	278	143
TOTAL Trees Pruned	4,056 (Up 17.2%)	3456

Removals:

More Removals due to more infested ash and declining maples

Total (2021)	(Total Trees 867)	Ash (300) (34.6%)	All Others (567) (65.4%)
Total (2020)	(Total Trees 934)	Ash (623) (67%)	All Others (311) (33%)

Service Requests: Up 37.6% from 2020

(Total Requests: 1,214) Storm: 457 (37.6%) Pruning: 290 (23.9%)
Misc.: 146 (12.0%)

Planting: Up 5.4% from 2010

(Total Planted 647) New Plantings (84) Replacements (563)

Ash Update:

Total Ash (3489 Total Ash Trees)	Streets 3256	Parks 253
Total Injected (Protected) 3,489 (100%)	0 Unprotected (0%)	
Injected in '21 705 Total, With <u>ALL</u> now on 3 Yr Cycle		

***Current Status of Removal Program** **2,682 Ash Trees Removed To - Date**
??? Additional Ash Trees to Remove to
Further Reduce Total # of Ash

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	666 600=Street *36 = Park	185	3819 1,543 = REG. 2,276 = Train	*Last year of Park Tree Replacements
2005	483	568	303	3783 1,613 = Reg. 2,170= Train	
2006	478	488	380	5365 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
	Loss	of	Arborist		
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	Add Backhoe W/ Grapple
2018	725	473	957	3,387	
2019	882	593	723	3,382	
2020	891	614	934	3,458	5-Year Removal Ave 807 Trees
2021	1214	647	867	4,056	
	5 Year Ave. 881	5 Year Ave. 589	5 Year Ave. 833	5 Year Ave. 3,457	

Recent EAB Treatment History

YEAR	# of Trees Treated	Method Used	Comments
2010	273	Tree -Age G4	
2011	459	Tree-Age G4	
2012	589	Tree-Age G4	
2013	796	Tree-Age G4	
2014	734	Tree-Age G4	234 of Total 2nd Treatment
2015	980	Tree-Age G4	459 of Total 2nd Treatment
2016	948	Tree-Age G4	589 of Total 2nd Treatment
2017	961	Tree-Age G4	E. Roberta Av Now 3 Yr
2018	812	Tree-Age G4	Stardust Dr Now 3 Yr
2019	706	Tree-Age G4 & RI 0 *	Wedge wood, Downing, Penhurst & Brendon Now 3 Yr Cycle
2020	1052	Tree-Age RIO	394 Add' l Now 3 Yr Cycle
2021	705	Tree-Age R10	All Trees Now on 3 Yr Cycle

* RIO Has Decreased Injection Time By As Much as 2/3 !!