

Emerald Ash Borer (EAB) Update



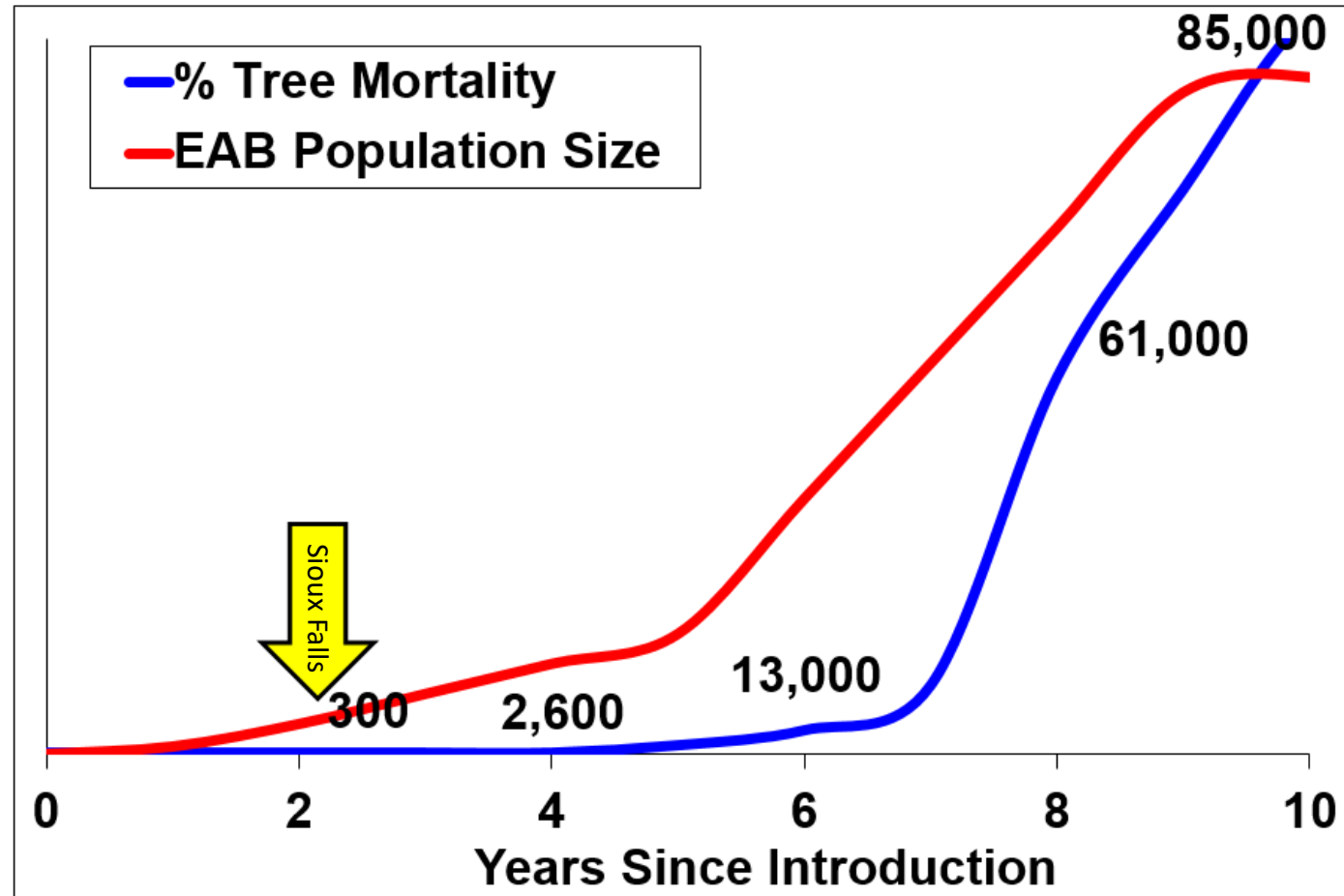
Sioux Falls City Council
Informational

August 28, 2018



City of Sioux Falls

Emerald Ash Borer - Mortality



Graph derived from EAB spread data from: Siegert, et al and Ash mortality data from Knight, et al



Ash Tree Numbers in Sioux Falls (est.)

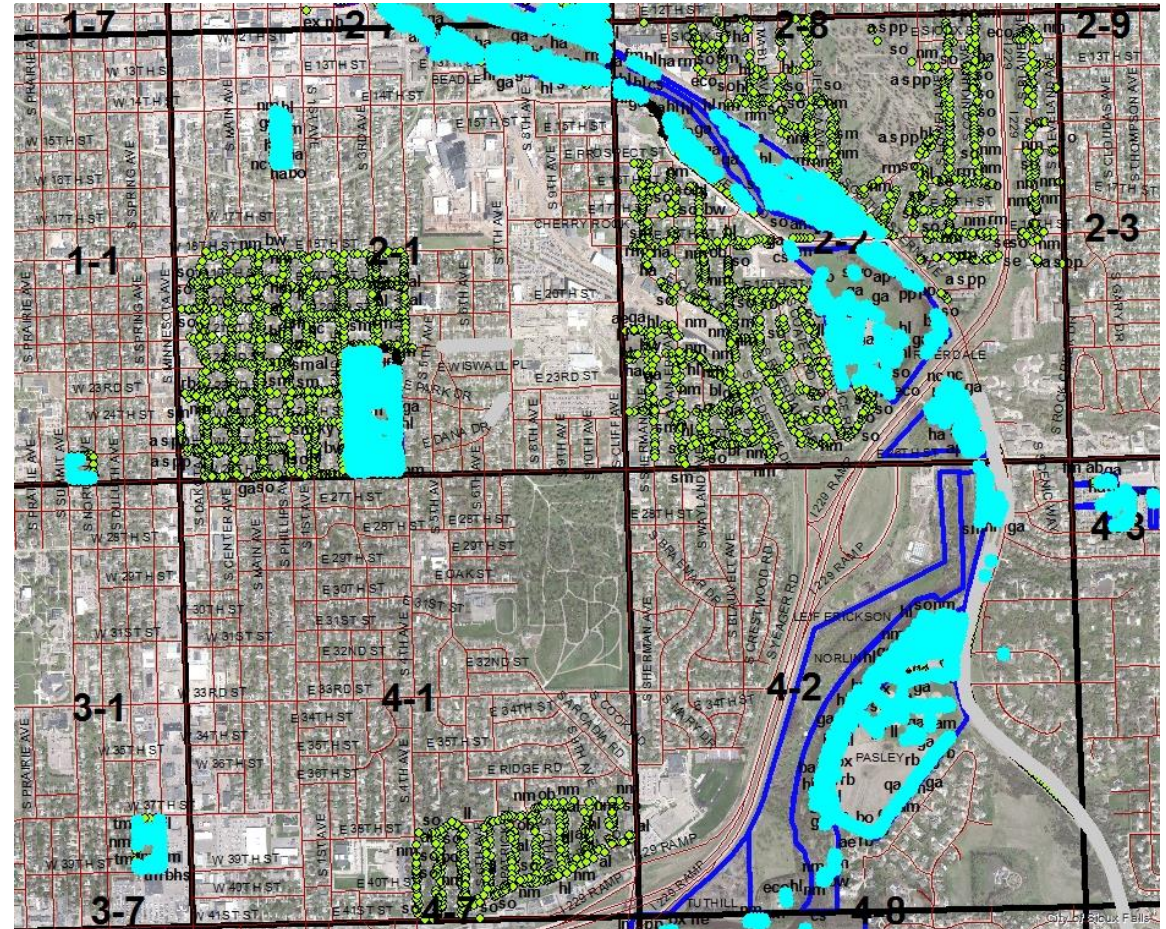
Location - % of all trees	Total Ash	Total All Species
Street trees - 40%	22,800	57,000
Parks and Public trees - 19%*	16,500	41,250
Private trees - 20%	<u>45,600</u>	<u>228,000</u>
TOTAL - 26%	84,900	326,250

*19% of park trees are ash trees. 16,500 includes riparian areas that have not been inventoried.



EAB Action Plan - 2018/2019

- 2,200 street trees removed by contractors
- 500+ public trees removed by city crews
- Stumps ground by city
- Inventory completed by contractors



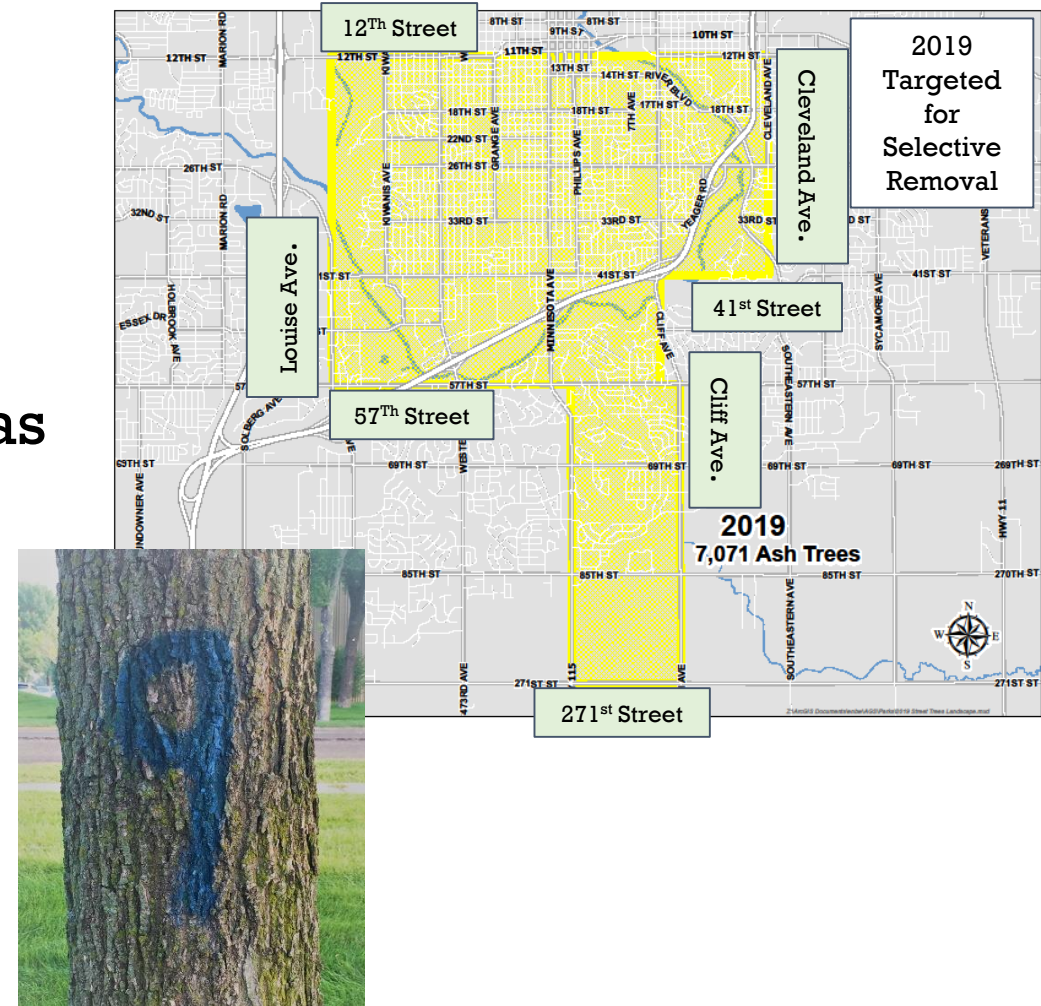
Street Tree Removal Plan

- City tasks
 - Remove tree and associated debris
 - Grind stump and haul away excess grindings
 - **No cost** to abutting property owner.
- Property owner tasks
 - Restore turf
 - Replant if desired



Street Tree Removal Plan

- Remove approximately 33%
- Postcard to all property owners within removal area detailing process
- Door hanger placed at time of marking tree with blue “9”
- Letter to property owners whose tree has been marked with a blue “9” for 2019 removal to verify treatment status
- Contractors to communicate with property owners prior to removals detailing removal process



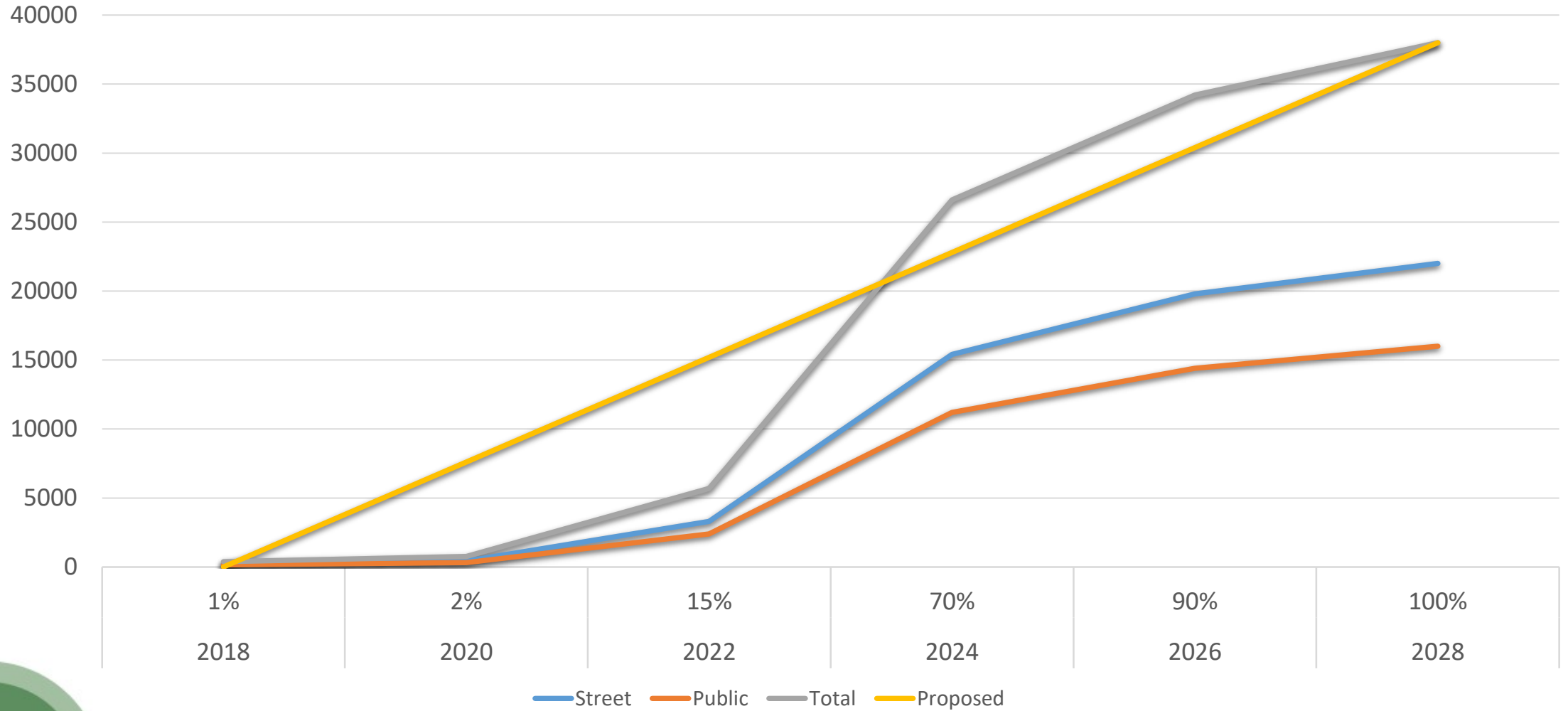
Public Tree Removal Plan

- Targeting poor quality trees
- Trees will be removed from 33 parks starting after Labor Day 2018
- Notable parks include Falls, McKennan, Terrace, Dunham, Frank Olson, Kuehn, Sherman, and Yankton Trail
- Will eliminate ash trees from 24 parks
- Parks, Streets, and Fire crews will participate in these removals

Sioux Falls		2018/2019	
Park Name	Ash Trees	Remove	Remaining
Yankton Trail	179	38	141
Great Plains Zoo	164	36	128
Terrace	131	33	98
Falls	126	33	93
Kuehn	105	31	74
McKennan	104	30	74
Frank Olson	95	30	65
Dunham	95	30	65
Lions Centennial	10	10	0
Dugan	9	9	0
River Blvd	9	9	0
Campus	8	8	0
Prairie Trail	8	8	0
Marion	7	7	0
Whittier	7	7	0
Memorial	7	7	0
Bryant	6	6	0
Park Office	6	6	0
Platinum Valley	6	6	0
Meldrum	5	5	0
Fort Sod	4	4	0
Southern Vista	4	4	0
Lyon	4	4	0
Winona	3	3	0
Tower	3	3	0
Hayward	3	3	0
Elmen Trailhead	3	3	0
Pioneer	3	3	0
Kiwanis	2	2	0
Great Bear	2	2	0
Leaders	2	2	0
Prairie Hills West	2	2	0



Ash Tree Mortality and Proposed Pace of Removal



Private Tree Removal

- Property owners are encouraged to begin planning for the removal of ash trees if the trees have not or will not be treated
 - Anticipate and plan for removal costs
- Avoid standing dead trees
- Interest in private tree removal is high



Wood Waste Disposal

Three approved drop off sites for disposing of ash wood.

- **Sioux Falls Regional Sanitary Landfill:**
 - 26674 464th Street
 - Cost for disposal of wood products is \$10 per ton of debris or \$5 per truckload.
- **Mueller Pallet:**
 - 27163 471st Avenue
 - 46868 Sands Street
 - No fee for disposal of wood products at these site.



Proposed Ordinance Changes

New Ordinance Sections:

94.019 Planting of Ash Trees Prohibited

- Prohibits the planting of any new ash tree in Sioux Falls.

94.002 Transportation of Ash Wood Prohibited

- Prohibits moving raw ash wood between Memorial Day and Labor Day. Excludes heat treated firewood and finished ash wood (baseball bats, furniture, etc.).



Proposed Ordinance Changes

Additions to Existing Ordinance Section:

94.038 Planting in Public Right-of-Way

- The addition requires a planting permit prior to planting a tree in the public right-of-way. This will provide the city the authority to direct forestry diversification.

110.027 Licenses Issued by Parks, Recreation and Forestry Department

- This proposed change (for Arborist) would increase the application fee from \$35 to \$150 and the Annual License fee from \$17.50 to \$100.
- For comparison; Electricians, Plumbers, and Mechanical contractors biennial license is \$200 new and \$100 renewal. These contractors pay additional for inspections.
- The cost to verify chemical application of one tree can range from \$80-\$100.



New Reality of Our Urban Forest

- It is going to get younger
- Sounds of Sioux Falls will be different
- Removals will create space for new plantings
- Creates an opportunity to plant trees in appropriate locations and diversify



Communication Plan

- News Releases
- Utility Bill Inserts
- Postcards
- Everbridge Notification System
- Letters to Property Owners
- Parks and Recreation E-Newsletter
- Social Media
- Website
- Brochures
- Other Key Stakeholders

Did you know ...



Emerald Ash Borer (EAB)

Emerald ash borer was confirmed in northern Sioux Falls in May 2018. It is a highly invasive, non-native insect that attacks and kills all species of North American ash trees, including white, green and black varieties.

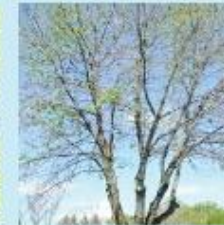
EAB is able to kill all ash trees, regardless of their health, age or size. It has already killed more than 100 million ash trees in the United States and is a serious threat to trees in Sioux Falls.

EAB is attracted to fresh pruning wounds. Trees should be pruned between Labor Day until the following Memorial Day while the insect is inside the tree. Movement of ash wood is restricted from Memorial Day to Labor Day in Sioux Falls.

For more information, visit siouxfalls.org/eab or call the Helpline at 211



Healthy Ash Tree



EAB-infested Ash Tree



City of Sioux Falls
SOUTH DAKOTA



Conclusion

- We have a solid plan for managing the infestation to smooth out the impact and will adjust strategy as we learn more each year.
 - Start early.
 - Plan for replanting.
 - Stick with the plan – don't get complacent.
 - Avoid the 5 year – “nobody told us this would happen.”
 - Continue to communicate throughout the response.
 - Don't repeat history – diversify the tree population!



Questions?

Additional Resources

- www.siouxfalls/eab.org
- [South Dakota Department of Agriculture/Forestry](#)
- [Emerald Ash Borer Brochure](#)
- [Emerald Ash Borer.info](#)

