



# Emerald Ash Borer

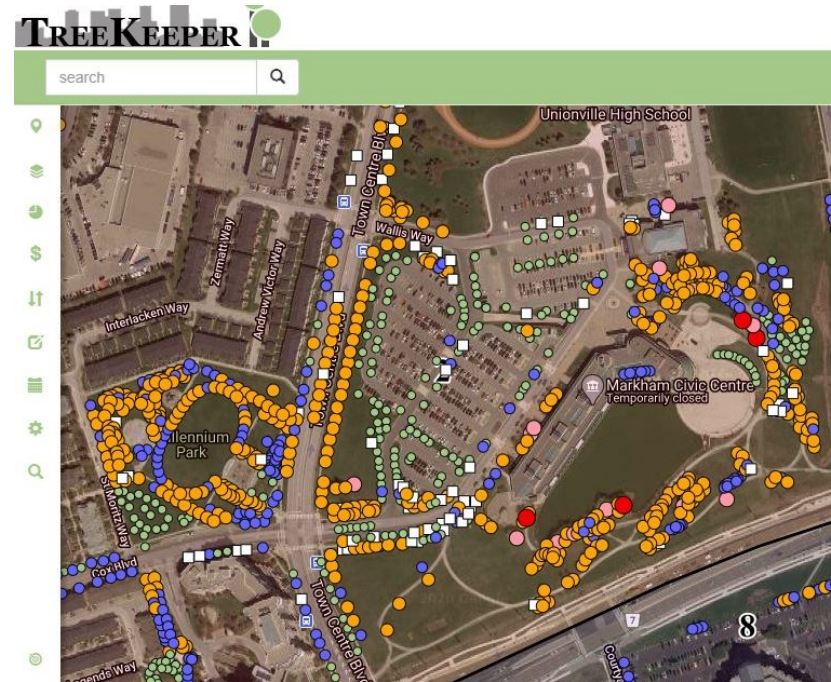
# Program Completion Summary

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January 18, 2021



## EAB Next Steps - Background

- Council approved as a risk management strategy for 17,000 new trees
- Funded by favorable variance from EAB program (2014-2017)
- Program Goal: achieve optimal survival rate of newly planted replacement trees and maintain up-to-date GIS inventory





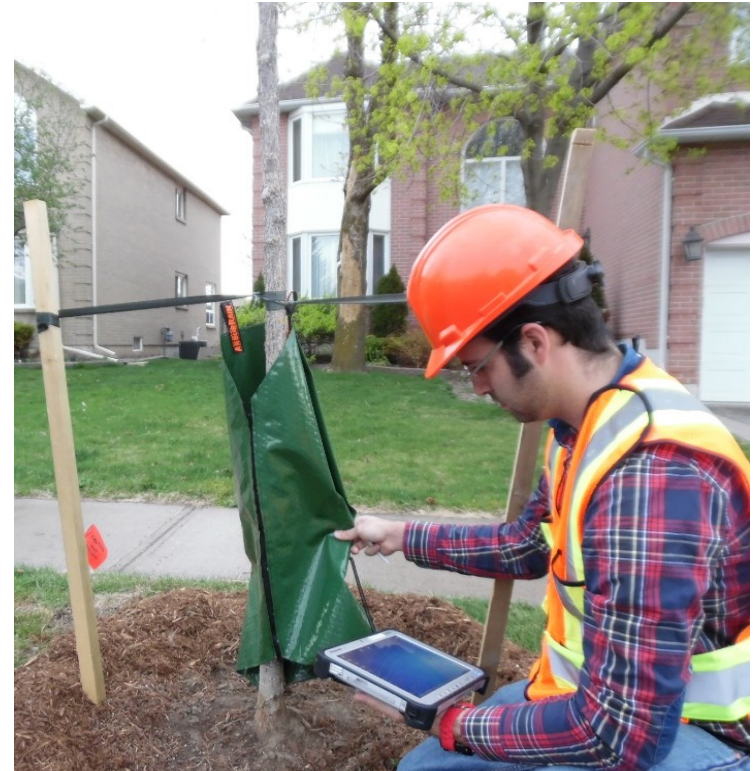
## Program Deliverables

- **Tree Warranty Inspections** - Inspect all trees planted including warranty replacements to ensure that they meet acceptable standards and will grow to be healthy and well-formed trees.
- **Tree Watering/Monitoring** – Following 2 year warranty period for new trees supplemental watering if required
- **Ash Injections (TreeAzin)/Removals** – Ash trees monitored for viability of continued treatment and removed/replaced as needed



## Tree Warranty Inspections: 2018 - 2020

Year	# of Inspections	# of Warranty Replacements
2018	10,919	278
2019	4,866	408
2020	4,476	226





## Tree Watering

- **2018-2019**
  - Precipitation monitored and trees inspected, no supplemental watering required
- **2020**
  - 10,000 Trees watered
  - Public Education Campaign launched to engage residents in tree watering efforts





## Ash Injections – Tree Azin

- **2018 – 2019** no injections
- **2020** – 130 Ash Trees Injected with TreeAzin
- Remaining budget redirected to removal of 160 Ash Trees
- Continued treatment for remaining Ash trees in the long-term is not viable.





## Financial Outcomes

	EAB Next Steps Budget	2018 Actuals	2019 Actuals	2020 Actuals	Total Actuals	Variance
Warranty Inspections	\$489,732	\$164,186	\$127,650	\$127,831	\$419,667	\$70,065
Watering	\$50,800	\$0	\$0	\$22,424	\$22,424	\$28,376
Injections/Removals	\$58,275	\$0	\$0	\$45,034	\$45,034	\$13,241
<b>Total</b>	<b>\$598,807</b>	<b>\$164,186</b>	<b>\$127,650</b>	<b>\$195,289</b>	<b>\$487,125</b>	<b>\$111,682</b>

Budget surplus of \$112k will be returned to the Life Cycle Replacement and Capital Reserve



# Markham's Young Trees – Our Future Canopy

- Monitor newly planted trees following warranty periods to ensure optimum results
- Timely replacements combined with commitment to grow the urban forest
- Investing in our young trees during the first 5 years is essential to reach our 30% canopy target and ensure a healthy urban forest for future generations







# Questions