

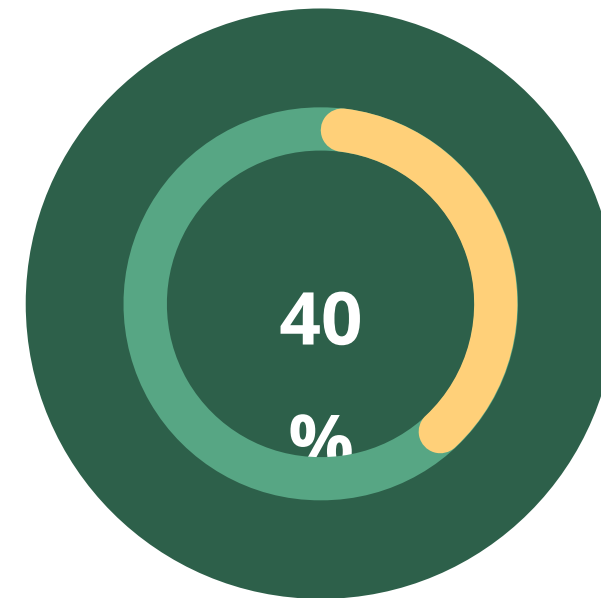
ADOPT-A-TREE

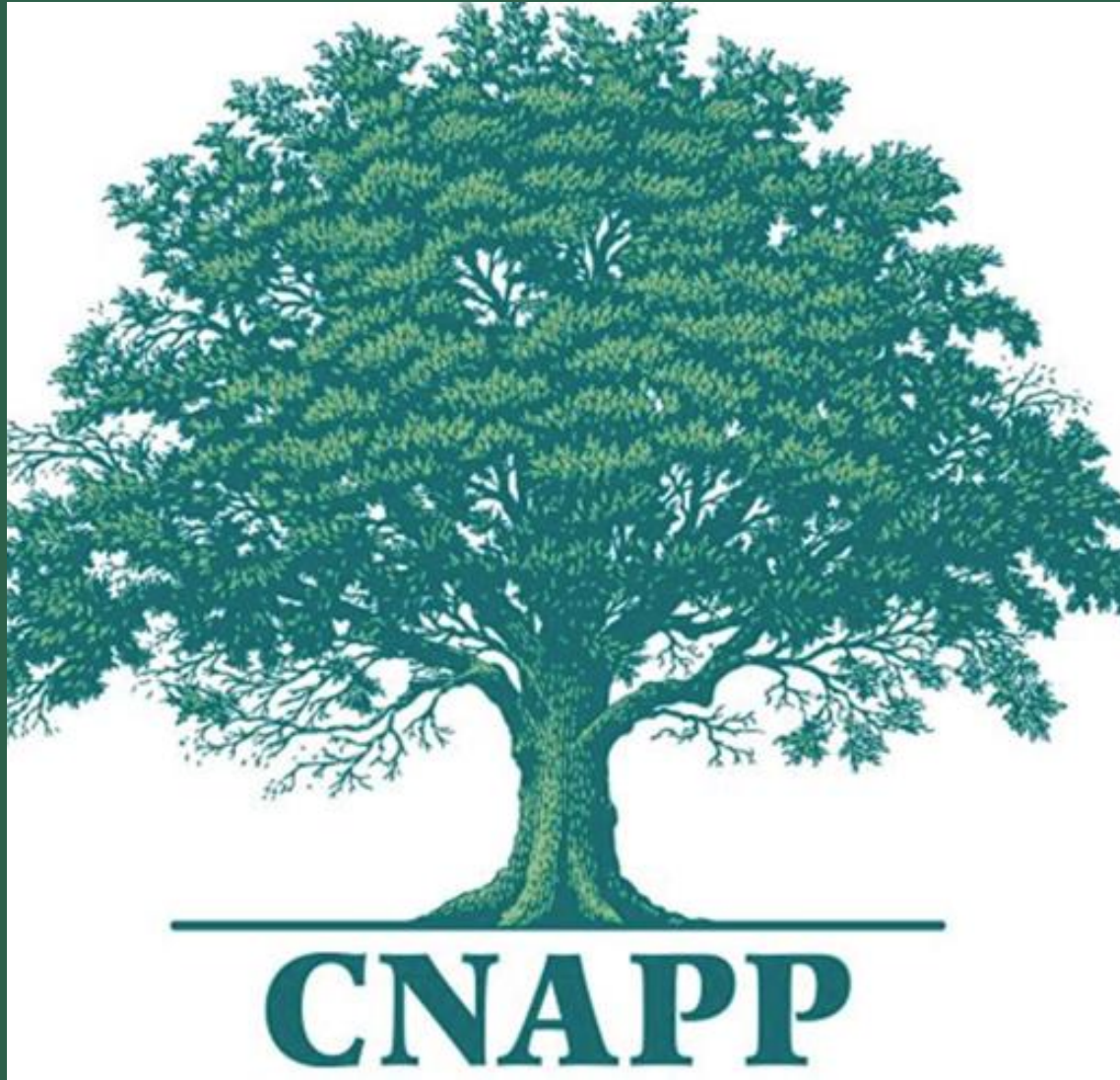
CITIZENS' CANOPY RESTORATION PROJECT

PENSACOLA, FLORIDA

Our Goals

- Help the City achieve its canopy restoration goals through constructive and efficient use of the Tree Trust Fund
- Build partnerships between the City and local civic organizations
- Engage and educate the public on tree canopy maintenance and restoration





Our Project: A Grassroots Effort

- **Partnership and Education:** CNAPP will partner with neighborhood associations to plant native canopy trees in right-of-way or within 20 feet of ROW
- **Expert buy-in:** Right Tree, Right Place
- **Community buy-in:** neighbors sign accountability agreements
- **Efficient use of TTF:** City purchases trees at wholesale price, volunteers reduce labor costs
- **Minimizing Risk:** Provide watering bucket, watering schedule, trunk protection



Building on Success: EPH Story



- In 2022, EPH received \$4,268 matching grant to plant 25 trees on ROW and residential property
- Santa Rosa UF/IFAS Extension donated 36 additional trees
- Orlando Street Tree Program used as guide
- EPH recruited residents to plant trees and agree to commitment to care
 - Right tree, right place; adequate space
 - Within 20 feet of ROW
 - Watering bucket and schedule provided
 - Community planting day
- 16 months post-project:
 - 89% success rate for all trees
 - 96% success for City-funded trees

Project Benefits

- **Goal to plant 50 live oaks** which are 5% of trees in Escambia but 28% of the canopy
- Storm-resistant, long-lived and adapted to our climate
- Reduces energy costs with passive cooling
- Improves walkability
- Contributes to neighborhood beautification
- Reduces stormwater runoff
- Helps with traffic calming in ROW

would indicate. Live oaks, on the other hand, comprise only 5 percent of all trees in southern Escambia County, yet they contribute to 28 percent of the area's total leaf area.

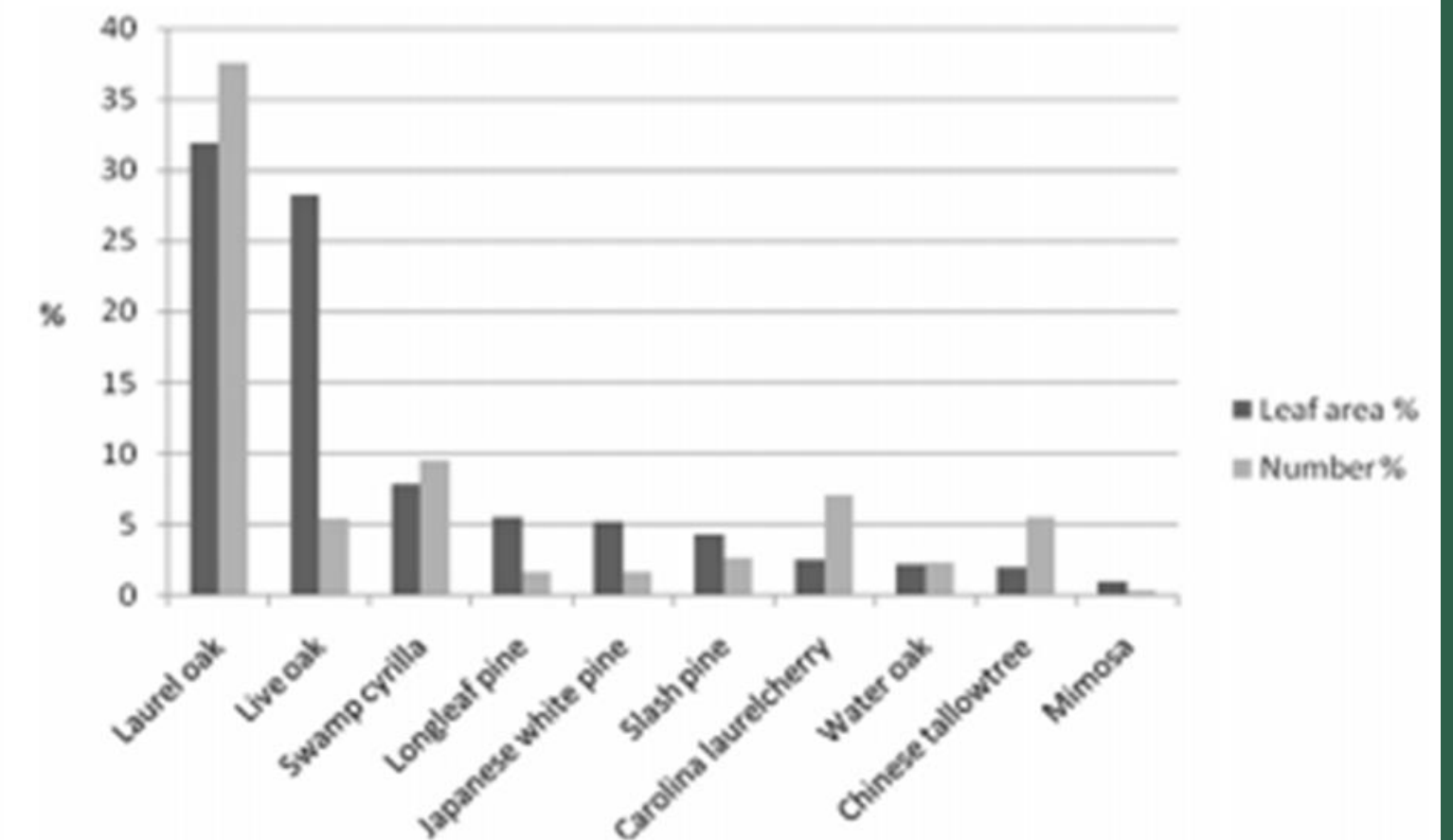


Figure 5. The top ten trees with highest total leaf area compared to their numbers in southern Escambia County's urban forest.

Planting on Residential Property is Allowed



- Tree Ordinance 12-6-10(c):
 - No prohibition of planting on private property
 - Mention of preventing “defacement of [...] private property” may imply such permission
- Tree Planting Management Plan I-A-1(d)
 - “Encourage planting on residential property through [...] tree planting programs placing priority on neighborhoods willing to provide supplemental early tree care.”

Planting on Residential Property is Cost Effective: A Comparison

EPH Lions Park Planting (2021)

- City contracts job
 - Planting delayed due to lack of bids
 - Volunteer labor not permitted
- Lack of Post-Planting Care

2021 Results

\$166 per tree

62% 1-year survival rate

\$268 per live tree

EPH Canopy Restoration Project (2022)

- City purchased trees and materials
- Volunteer labor
- Community Care Commitment
- Post-Planting Plan

2022 Results

\$109 per tree

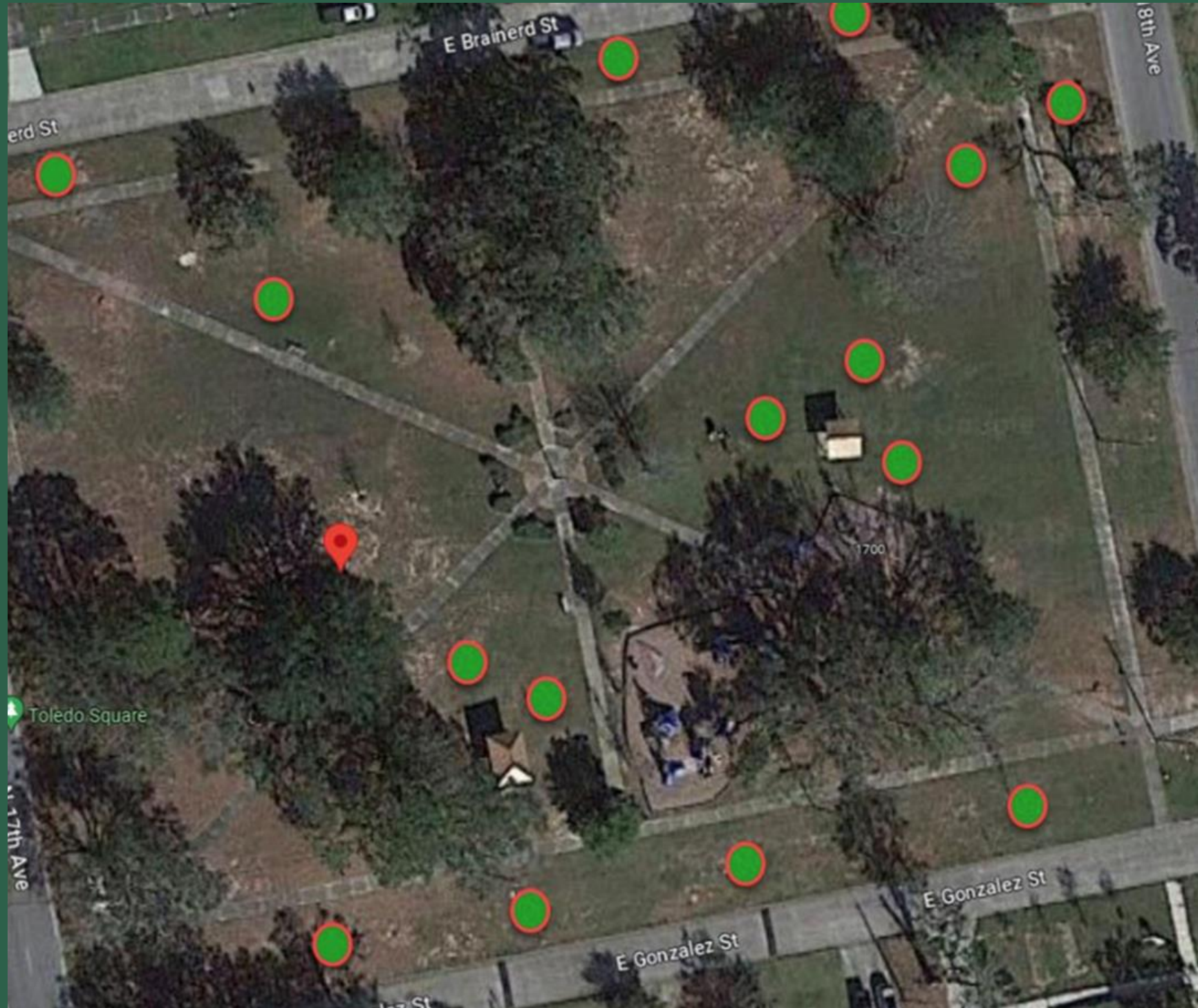
89% 1-year survival rate

\$122 per live tree

EPH Lions Park Results

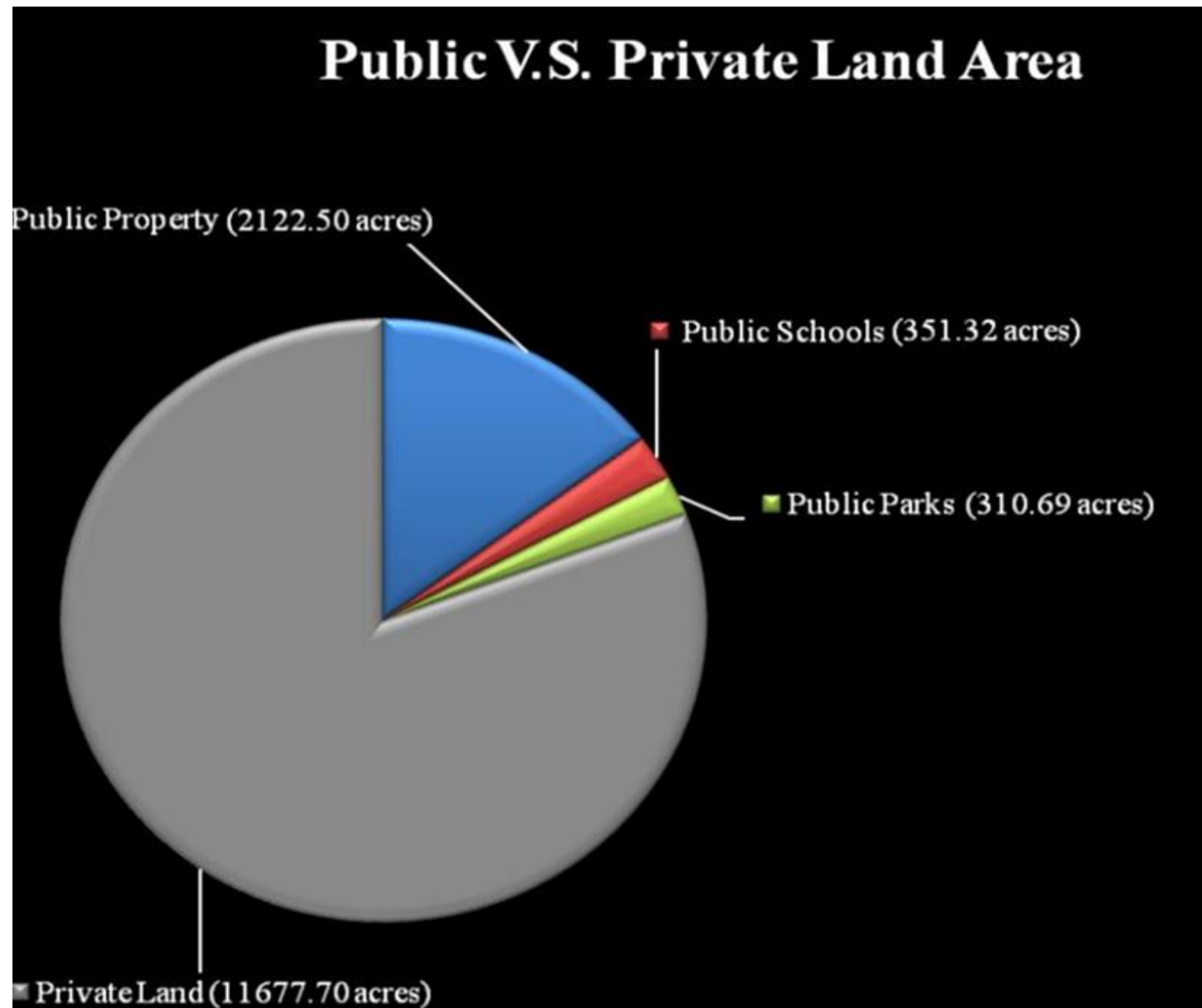


Future Park Stewardship from Residents



- 16 trees in Toledo Square
- Apply post-planting care to park trees

Planting on Residential Property is Necessary to meet City's Canopy Goals



- Question: Can the City increase overall UTC by Planting on City Property?
- Answer:
 - City Open Space currently 419 acres
 - City overall tree canopy is 26.6%
 - Increasing coverage to 40% on City Property within 20 years would require planting 5,376 trees (Forest Service to Confirm numbers)
 - Answer is No, not with current conditions
- Reference:
 - Jimmie Jarrett, ISA Arborist per City of Pensacola Urban Tree Canopy Phase 1 Analysis (2013)

Our Project Budget

Item	Cost	Count	Total
Tree	\$55-\$65	75	\$4,125-\$4,875
Tree Protector	\$2	75	\$150
5 Gallon Bucket	\$5	75	\$375
Watering Schedule	\$4	75	\$300
Mulch	\$0	75	0
Total	\$66-76 total per tree	--	\$4,950-\$5,500


In Summary

- Our project minimizes risk due to time of planting, size of trees, built-in education, and created network of accountability
- Strives to address the 3 biggest risks that threaten survivability of the trees:
 - Improper planting techniques
 - Underwatering
 - Physical damage to the tree from landscaping equipment and maintenance crews



Path Forward: A Citizen-driven Partnership





“
"YOU CAN'T JUST REGULATE (A GREAT TREE CANOPY INTO
EXISTENCE). YOU REALLY HAVE TO DO EDUCATION AND
PARTNERSHIPS AND ULTIMATELY, AS A COMMUNITY, IT IS
SOMETHING THAT YOU HAVE TO VALUE AND BE WILLING
TO INVEST IN AND CARE DEEPLY ABOUT."

LYSISTRATA HALL, PLANNER AND ARBORIST

CIVICCON 2020

”



THANK YOU

