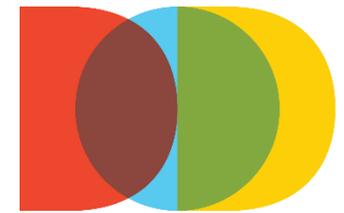


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Tree Ordinance Stakeholder Committee Recommendations

Lila Stewart

5/25/2017



DEPT
OF
DOING



Parks, Recreation and Cultural Affairs
A **CAPRA** Accredited Agency

Presentation Topics

- Overview
 - Purpose
 - Committee
 - Tree Ordinance 101
- Ideas
 - Incentives for Preservation
 - Use of Mitigation Funds
 - Economic Impact
- Recommendations
 - Long Range Ideas

Purpose

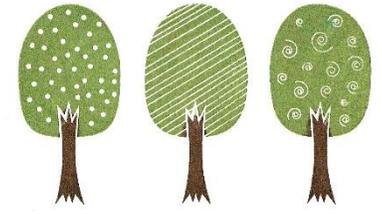
Make recommendations for quick changes to:



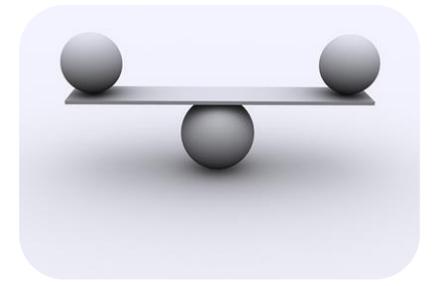
Incentives for tree preservation



Uses of tree mitigation funds



Economic impact of tree mitigation



Equity of tree mitigation requirements

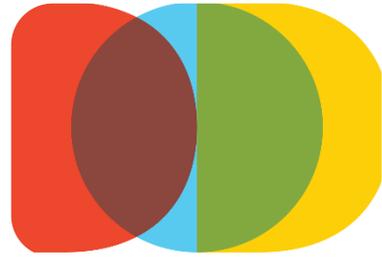
Committee



Debra Neill-Mareci



Janie Williams



Ralph Hilliard



Ivor Kincaide



John Fleming



Linda Demetropoulos



Michelle Lambert



Sergio Reyes

Committee



Prioritization process

INCENTIVES FOR HERITAGE TREE PRESERVATION

MODIFICATION OF PARCEL REQUIREMENTS

- DENSITY BONUS CREDIT
- BONUS FOR TREE PRESERVATION IN PERFORMANCE-BASED APPROACH
- ~~EXEMPTION FOR PROPERTY TAXES~~

USES OF MITIGATION FUNDS

- TREE GIVEAWAYS FOR PRIVATE PROPERTY OWNERS
- REMOVAL & REPLANTING OF INVASIVE TREES ON PRIVATE PROP
- REMOVAL OF INVASIVE PLANTS W/IN STREAM BUFFERS ON PRIVATE PROP.
- TREE REBATES FOR PRIVATE PROPERTY OWNERS WHO PLANT TREES
- MAINTENANCE IN ROW/Public Property

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Tree Ordinance 101



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Tree Ordinance Purpose

The planting and preservation of trees to maintain a sustainable canopy.



Why do we regulate trees?

Trees have a number of benefits that benefit the entire community:

- Improved air quality
- Improved water quality
- Reducing cooling costs
- Carbon sequestration
- Wildlife habitat

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Heritage Trees



Native trees
> 20" diameter
breast height,
except for Loblolly
and Slash Pines,
Water and Laurel
Oaks, and
Sweetgums,
which are heritage
trees when 30">

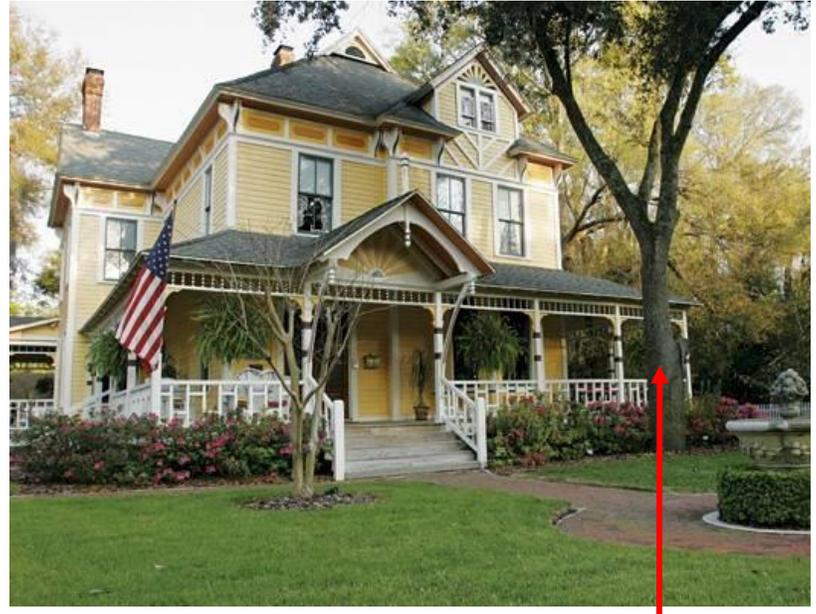
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“High quality” trees are regulated differently than other trees

| High quality trees | |
|--------------------|---------------------------------|
| Live Oak | Tupelo |
| Sand Live Oak | Mockernut Hickory |
| Bluff Oak | Pignut Hickory |
| Basket Oak | Pecan |
| Southern Red Oak | Persimmon |
| Southern Magnolia | Basswood |
| Florida Maple | Tulip Poplar |
| Longleaf Pine | White Ash |
| Spruce Pine | Green Ash |
| Cedar Elm | Yaupon, Dahoon & American Holly |
| Winged Elm | Bald Cypress |
| Florida Elm | Pond Cypress |

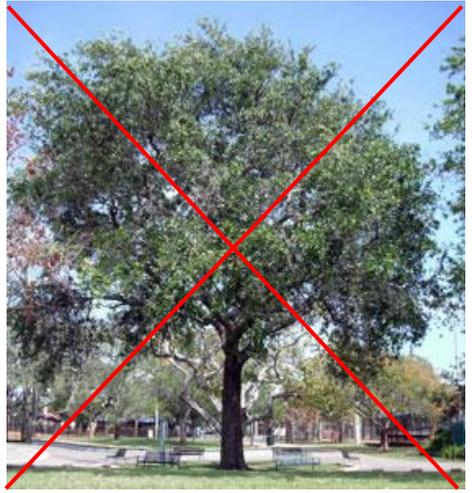


Single family vs. non-single family regulations



Removal of similar tree on different zoned properties regulated differently

Mitigation for removal of a heritage tree on non single family zoned property



Heritage tree removal



Plant two trees



Mitigation fee

Calculation

Ex. 20" Live Oak in fair / better condition
 $(3.14) \times (1/2 \times 20)^2 = 314 \text{ sq. in. truck area}$
 $(314 \text{ sq. in.}) \times (\$40) = \$12,560 \text{ sq. in. value}$
 $(\$12,560) \times (.55) = \$6,908 \text{ appraised value}$

The fee goes into a fund, which can be spent on:



New trees on public property or ROW

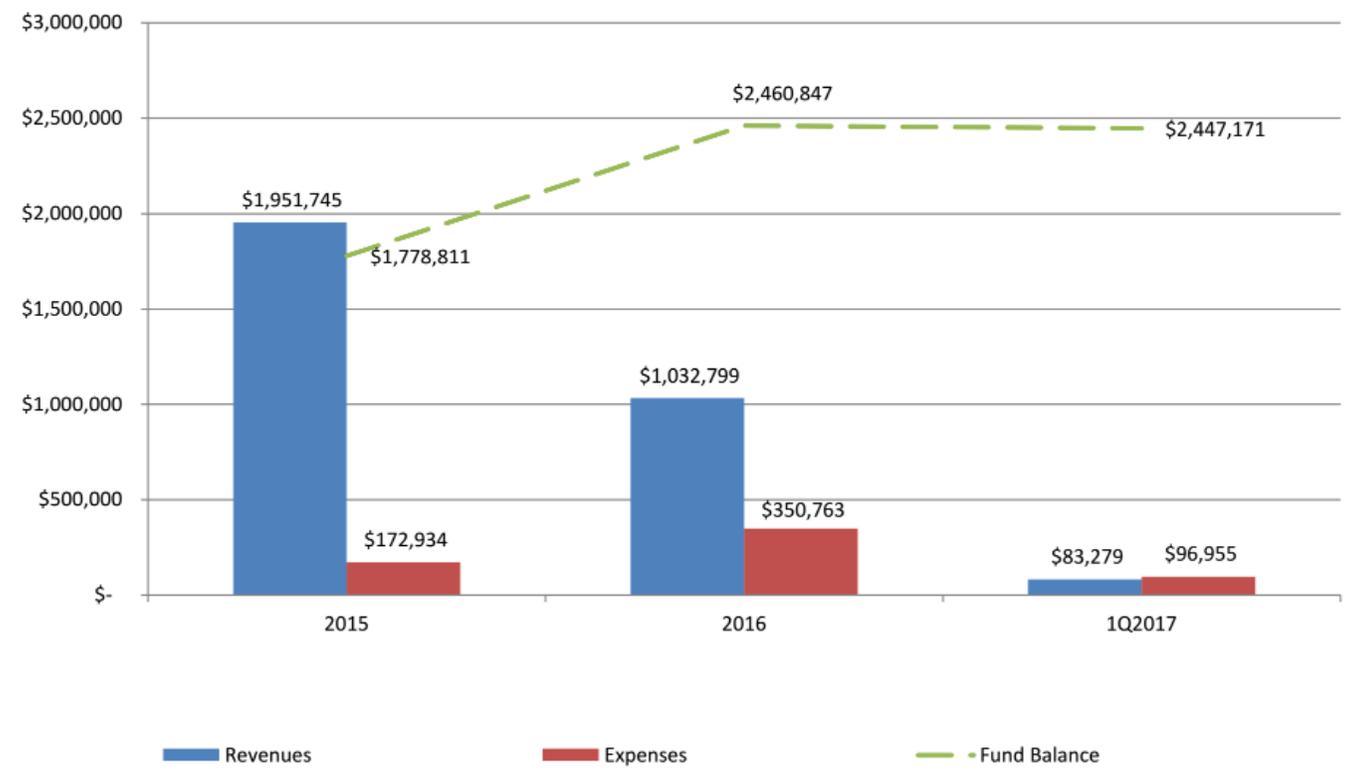


Land acquisition for conservation

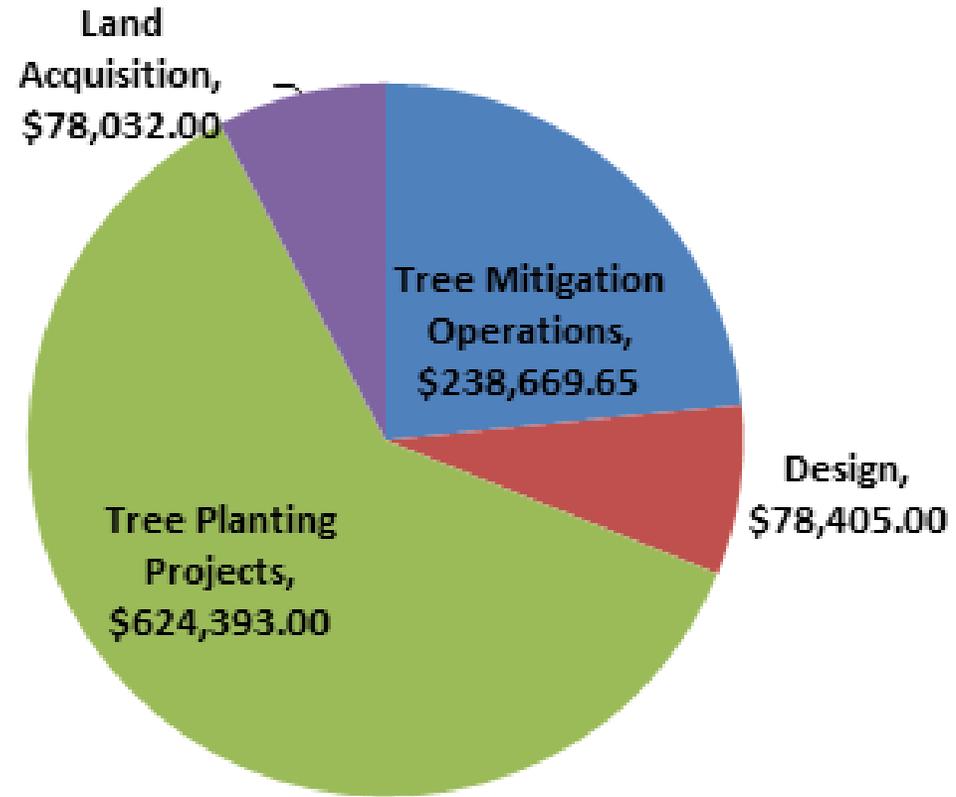
| Additional uses of mitigation funds: | |
|---|---|
| <ul style="list-style-type: none"> • Tree establishment • Habitat restoration projects • Program coordinator for tree mitigation funds | <ul style="list-style-type: none"> • Soil measures that support tree growth • Contract growing of desired species • Tree planting in medians of state and county roads and public works projects |

Mitigation Fund Revenues & Expenditures:

Fund 140, Tree Mitigation Fund
Revenues and Expenses
FY15 - 1Q FY17



Allocation of Mitigation Funds



Incentives:



Incentives:

Modification of parcel requirements

Density Bonus Credit

Reduction in Stormwater Management Utility fees

Bonus for tree preservation in a performance based approach

Reduction in storm water basin volume requirements

Incentives:

Modification of parcel requirements

Density Bonus Credit

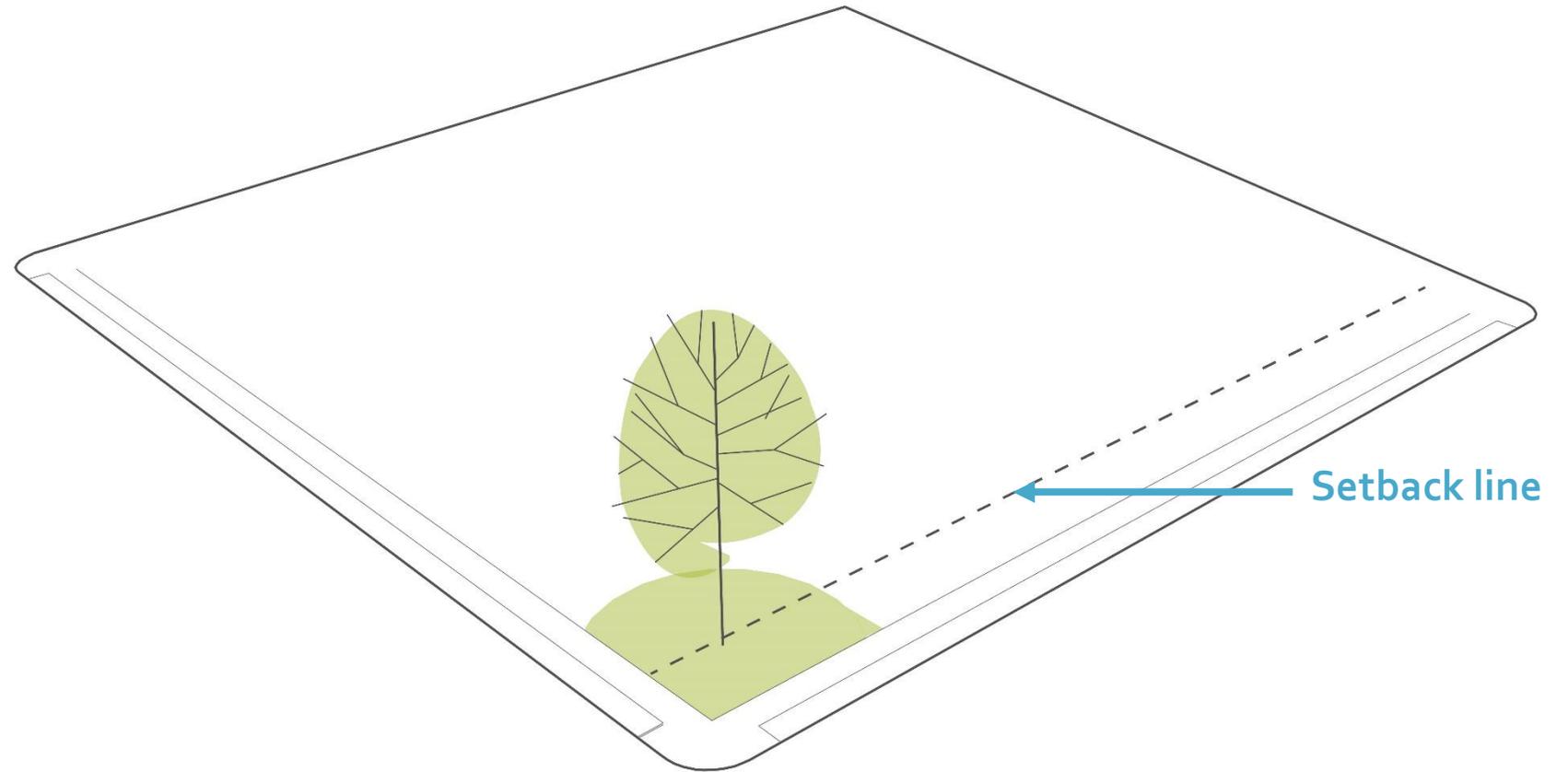
Reduction in Stormwater Management Utility fees

Bonus for tree preservation in a performance based approach

Reduction in storm water basin volume requirements

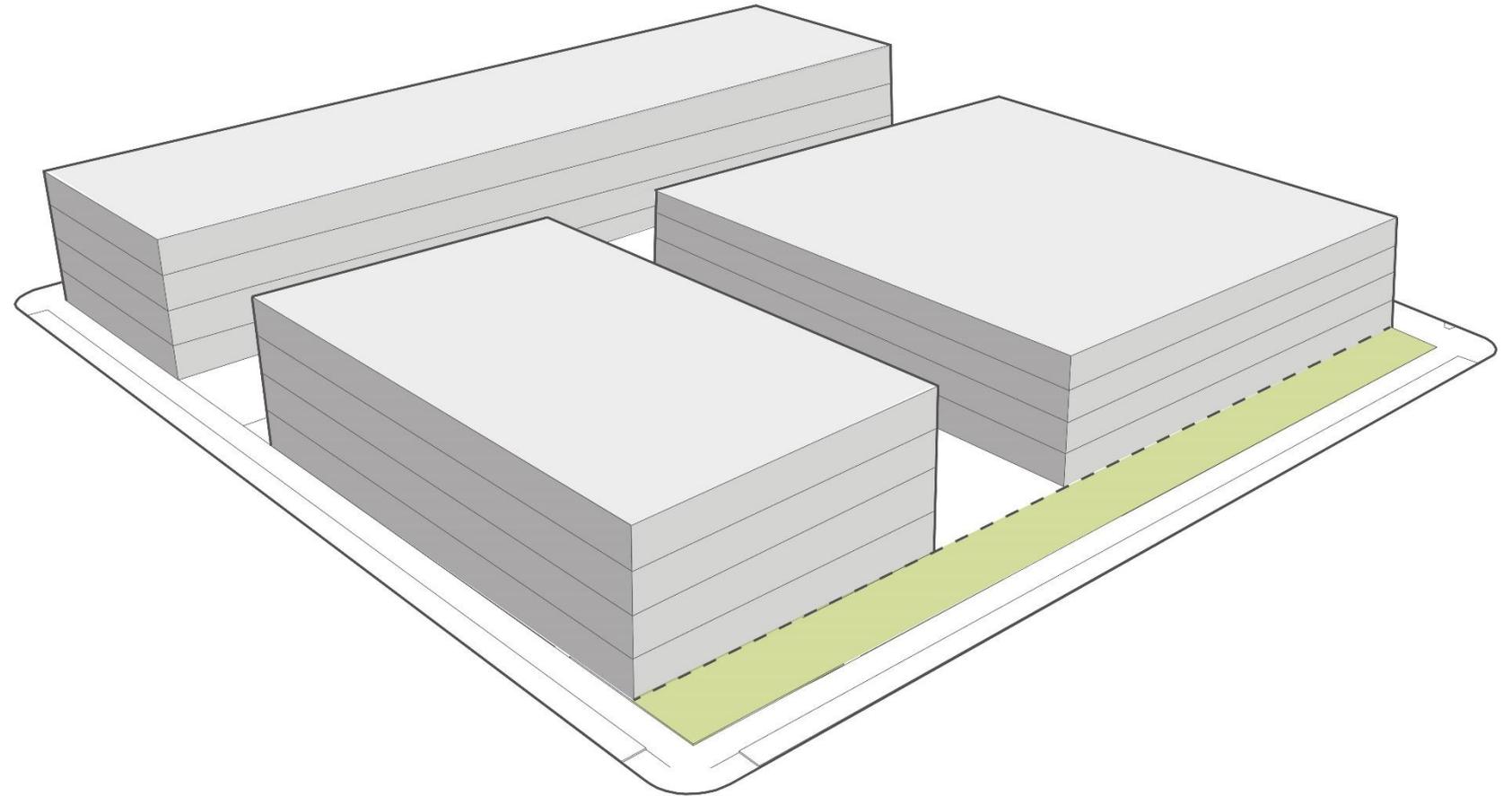
Modifications of parcel requirements:

- Lot area
- Setbacks
- Street widths and layout



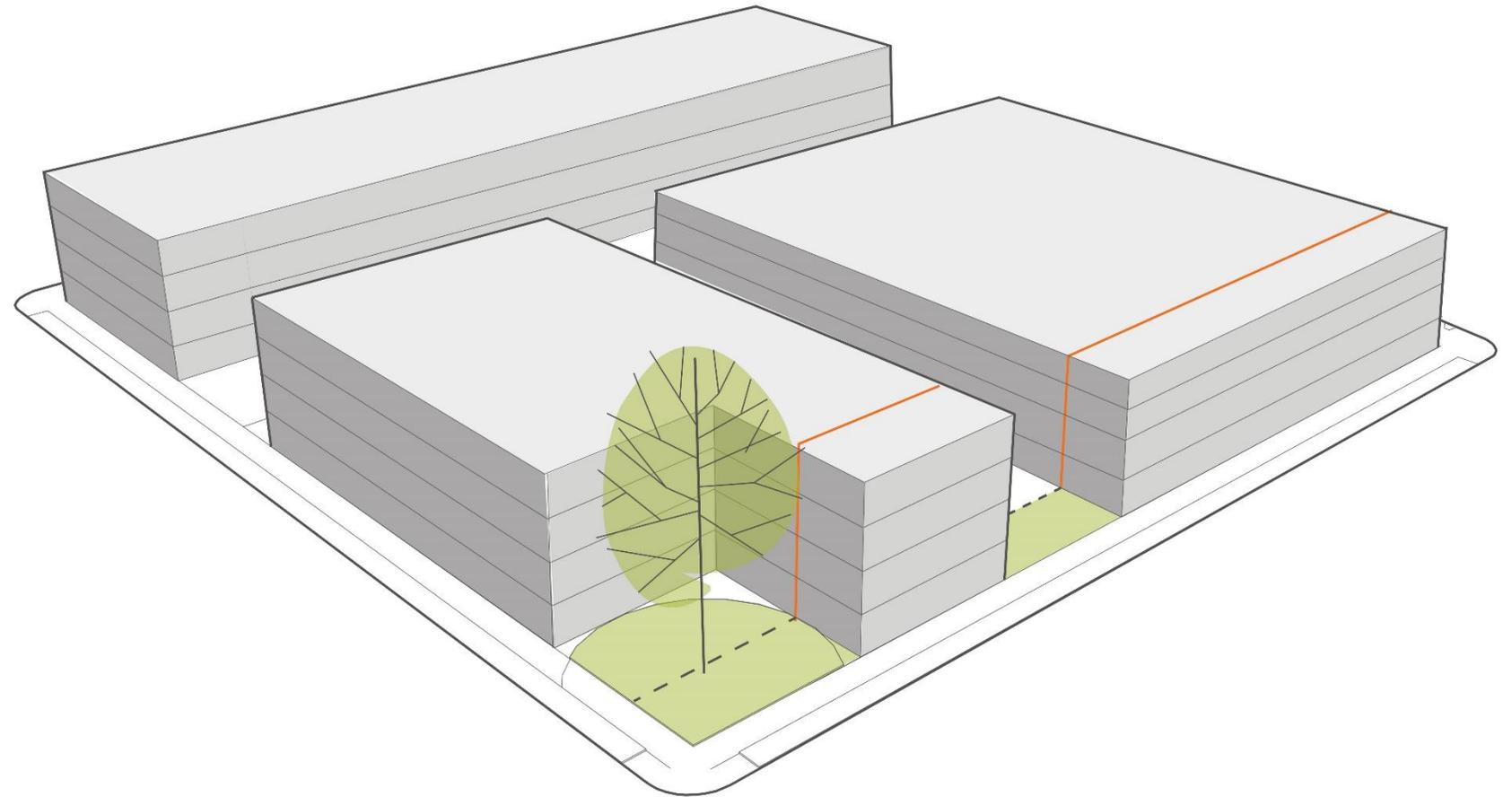
Modifications of parcel requirements:

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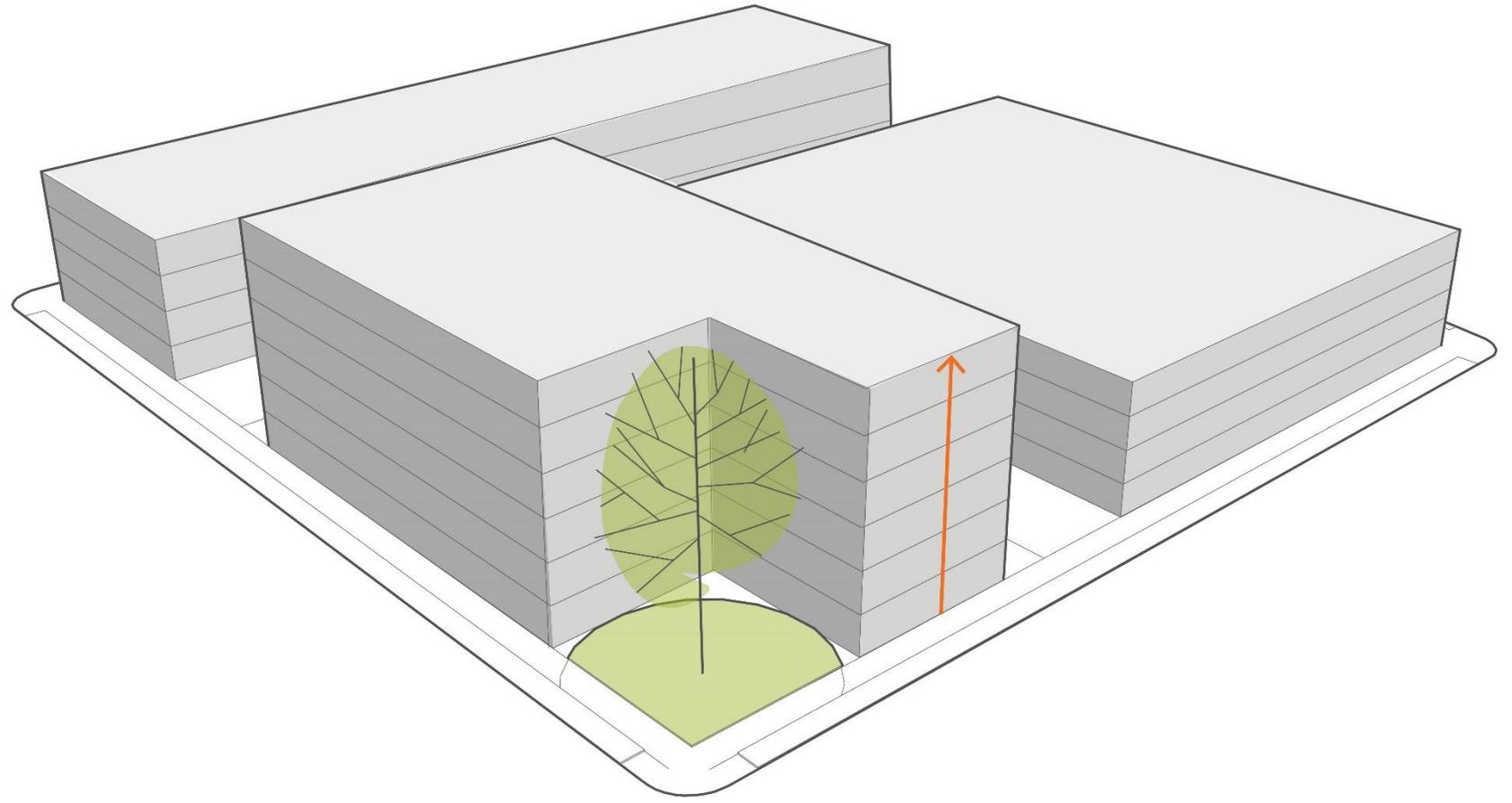


Modifications of parcel requirements:

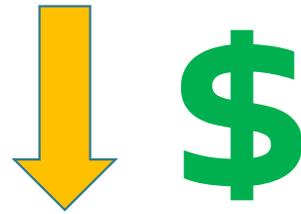
- Lot area
- Setbacks
- Street widths and layout



Density Bonus Credit



Reduce SMU
(Stormwater
Management
Utility) fees



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Uses of mitigation funds:

Tree rebates for property owners who plant a tree

Removal of invasive trees on public property

Urban Forest Ecological Assessment

Establishment of public parks within new large developments

Purchase of land for street tree planting

Urban Forest Management Plan

Conservation easement purchases for high quality trees

Tree maintenance on public property

Tree giveaways

Tree education programs

Replacement tree planting for removal of non-high quality trees

Removal of invasives on private property and replanting of shade trees

Removal of invasives within stream buffers on private property



Uses of mitigation funds:

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Tree rebates

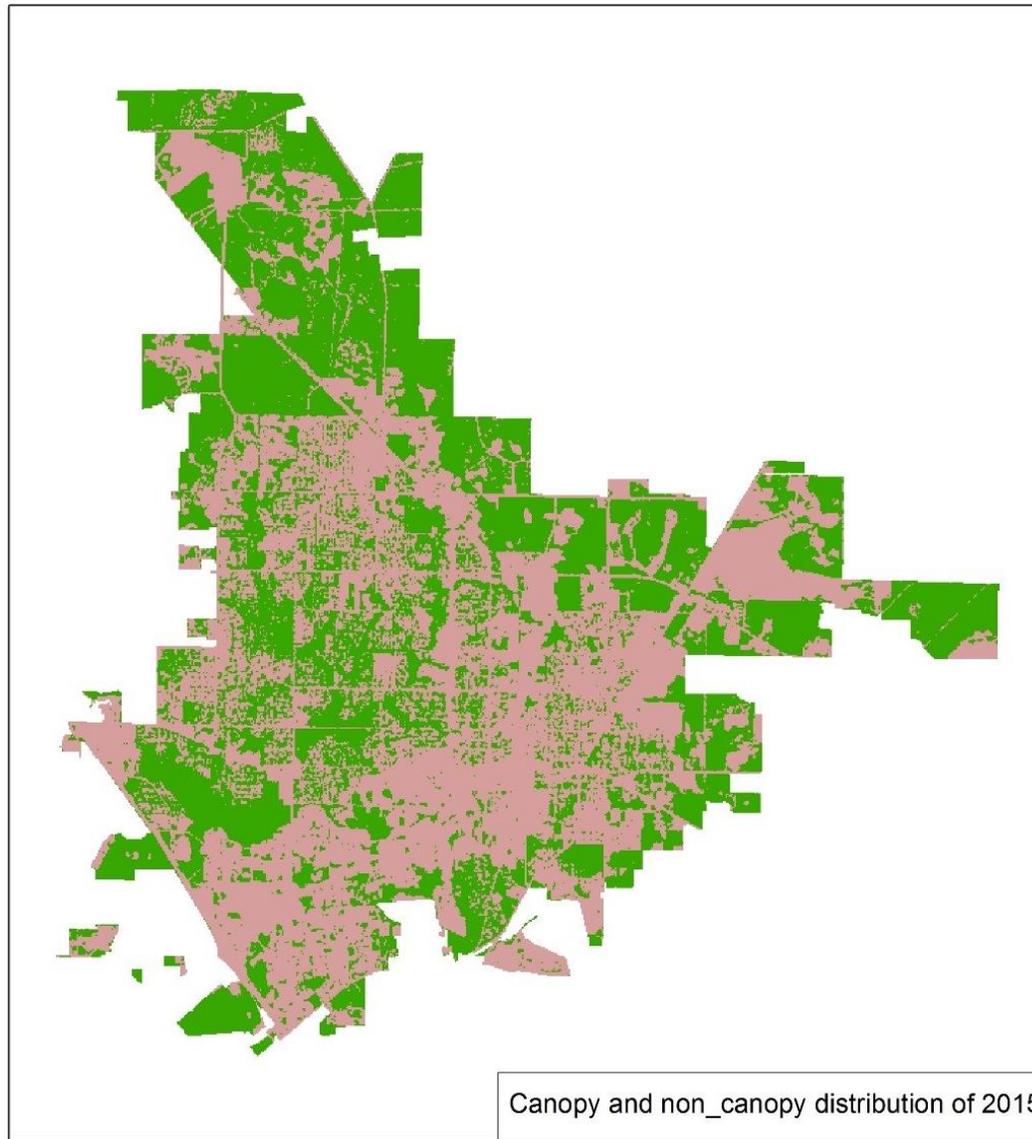


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Invasive tree removal on public property



Urban Forest Ecological Assessment



Uses of mitigation funds:

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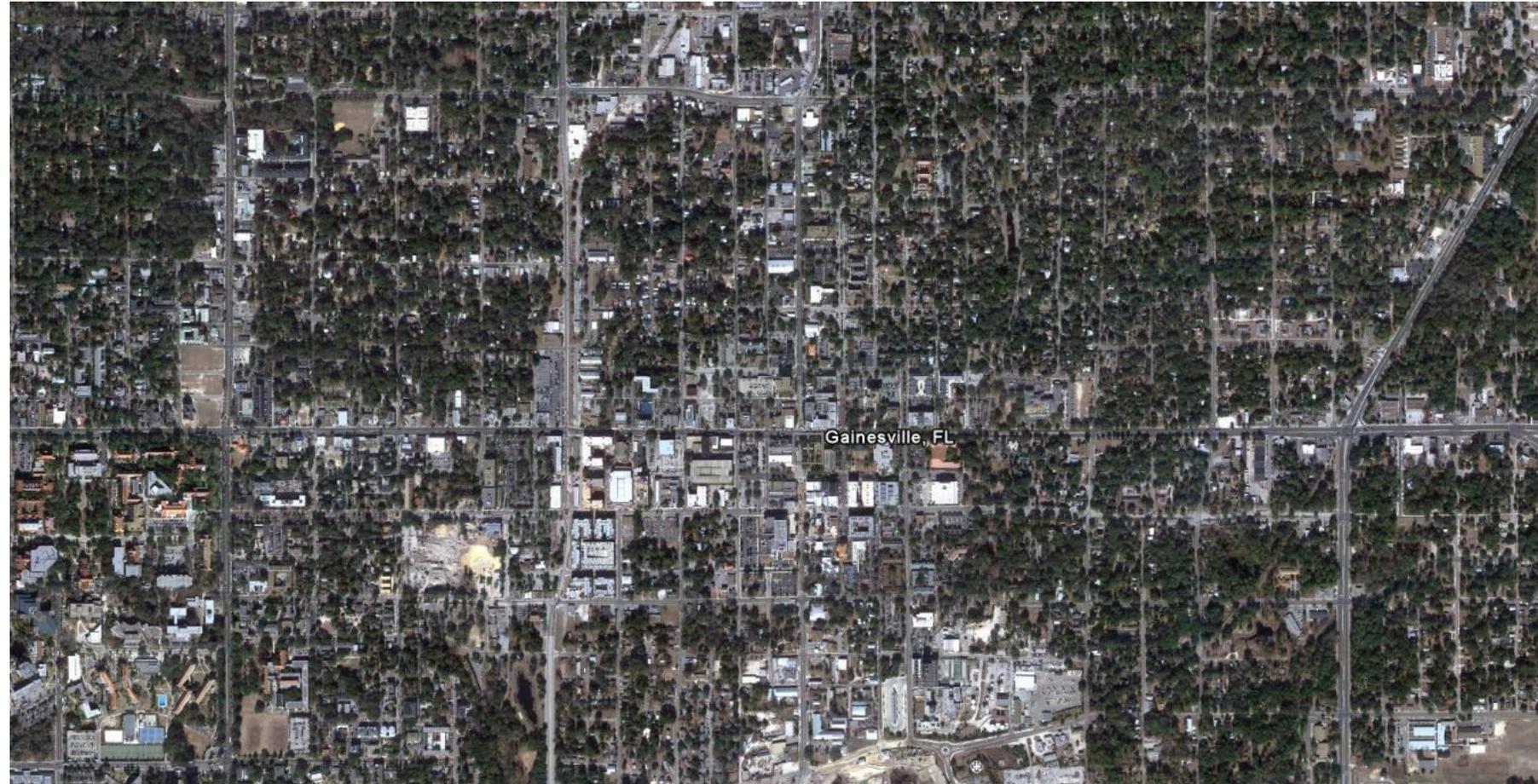
Tree education programs

Replacement tree planting for removal of non-high quality trees

Removal of invasives on private property and replanting of shade trees

Removal of invasives within stream buffers on private property

Urban Forest Management Plan



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Purchase of land for street tree planting



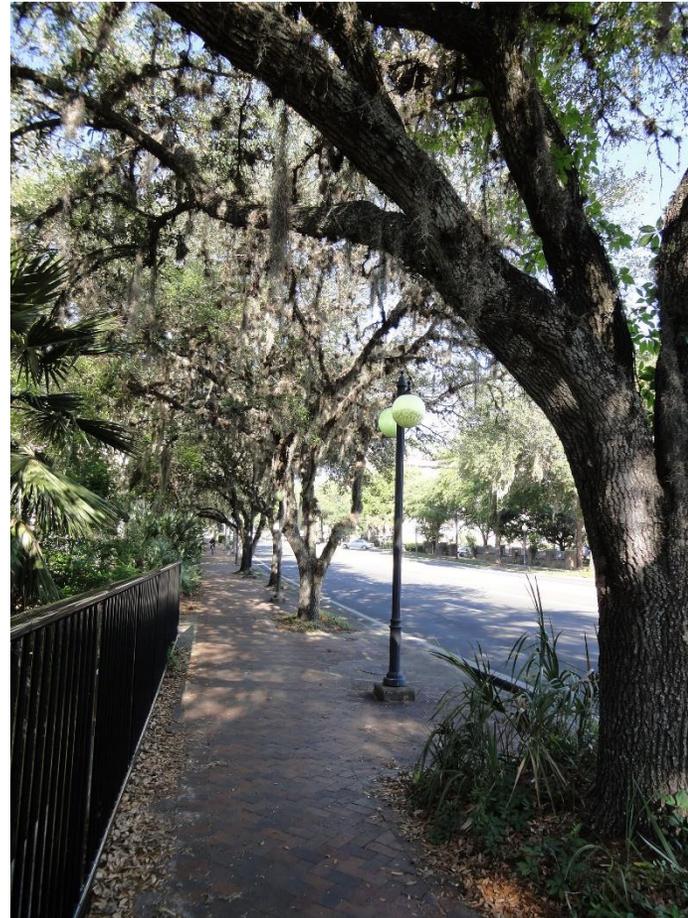
Establishment of public parks within large new developments



Conservation easement purchases for large heritage trees



Tree maintenance on public property



Flexibility in the collection/use of mitigation funds:

Reduction in mitigation fees collected for a site for measures that promote the urban forest canopy on that site

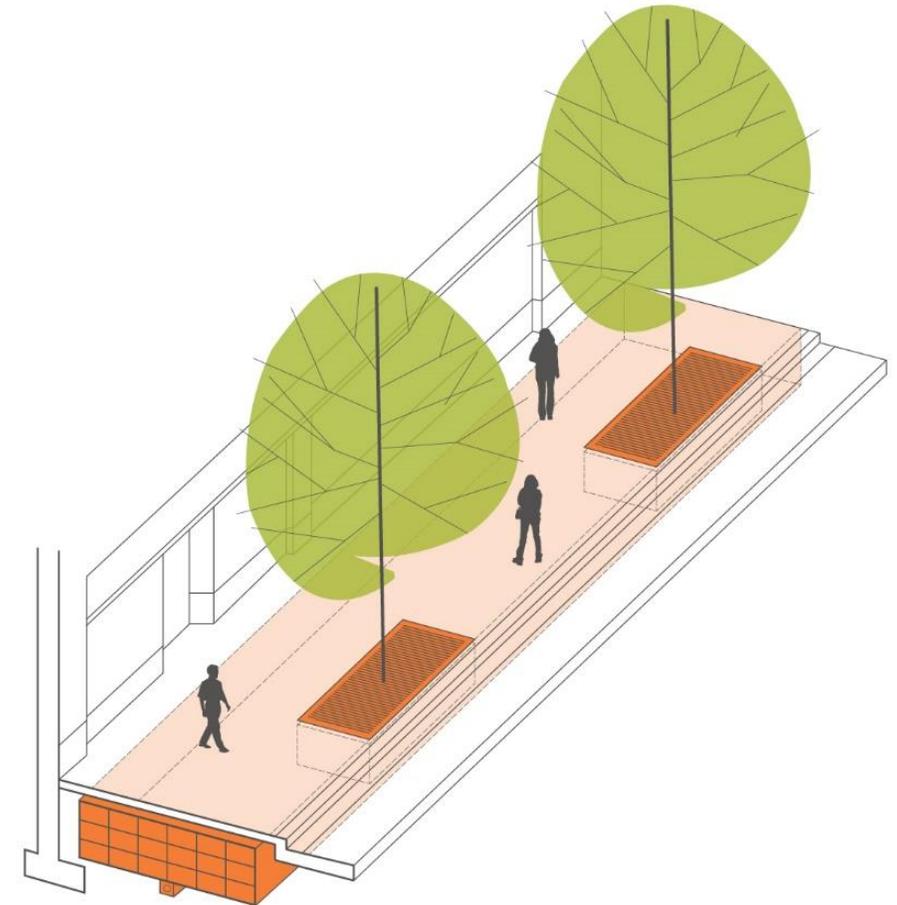
Allow mitigation funds to be used for tree planting projects on public property

Reduction in mitigation fees collected for a site for measures that have ecological benefit to the wider community

Reduction in fees for measures that support urban trees



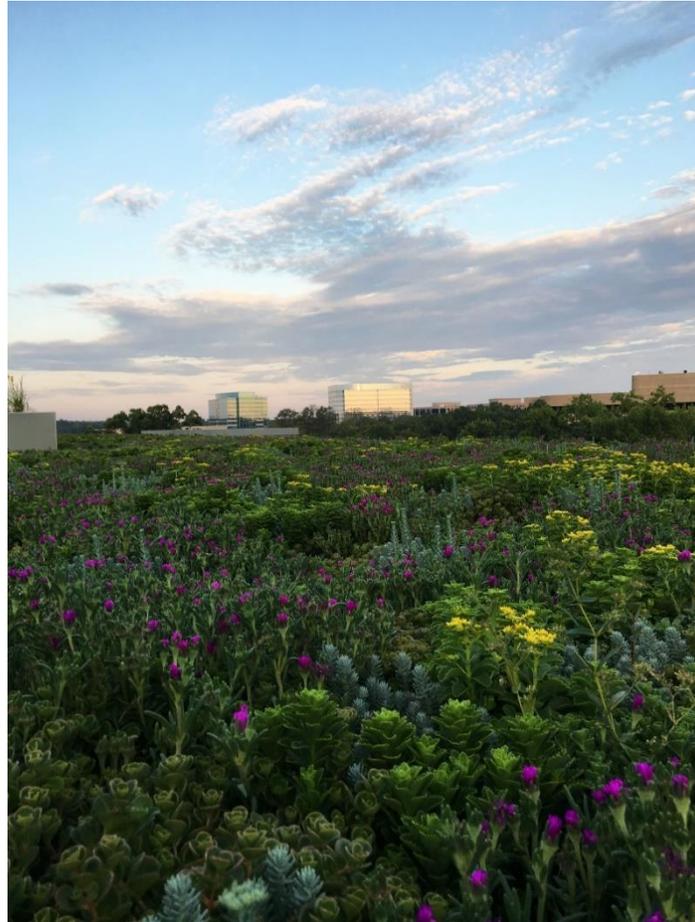
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Allow funds to be dedicated to a specific tree planting project



Reduction in fees for measures that have ecological benefit



Economic Impact of Mitigation

Inch for inch mitigation rather than fees for affordable housing properties

Cap on mitigation fees as a percentage of the assessed property values

Set a maximum mitigation per acre for properties

Graduated scale for mitigation, with a lower cap in dense urban areas

Two for one replanting rather than inch for inch replacement of non-high quality heritage trees

Economic Impact of Mitigation

Inch for inch mitigation rather than fees for affordable housing properties

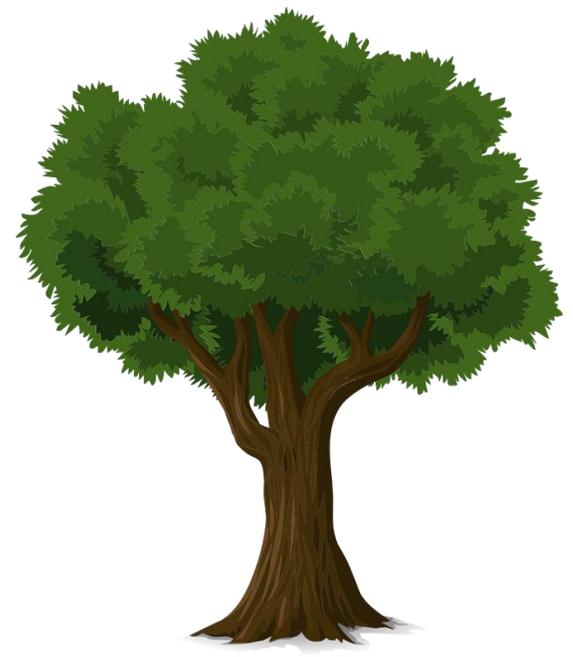
Cap on mitigation fees as a percentage of the assessed property values

Set a maximum mitigation per acre for properties

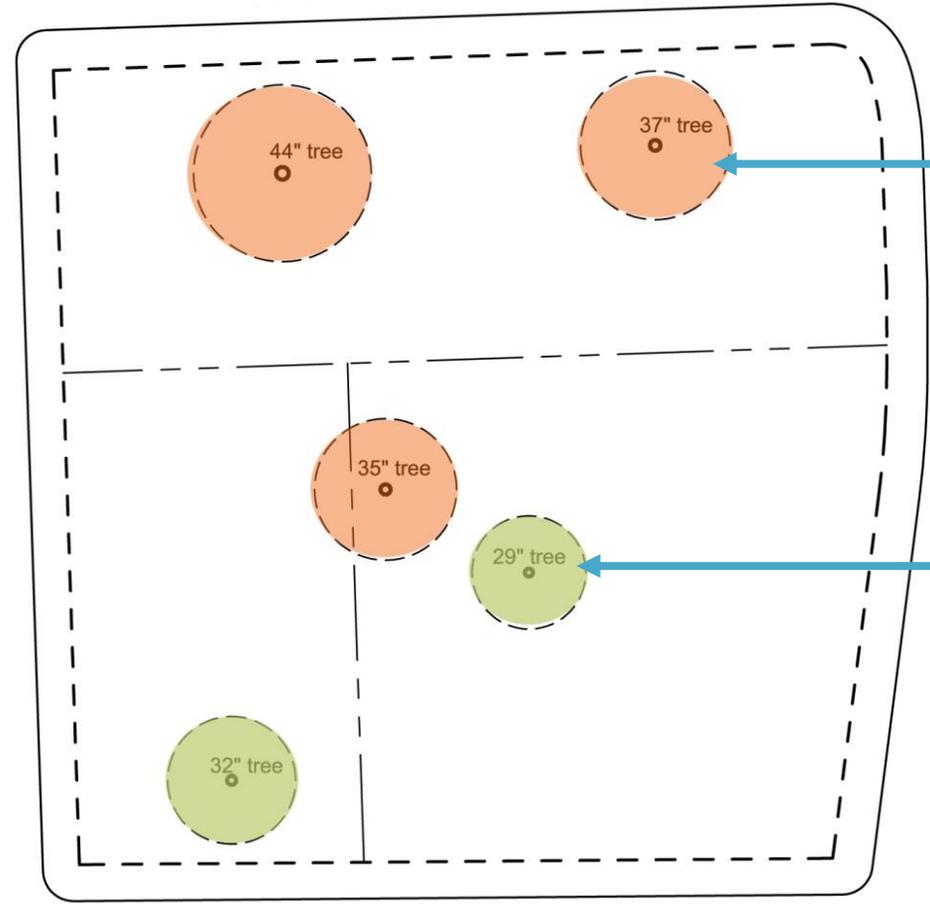
Graduated scale for mitigation based on zoning classification, with a lower cap in dense urban areas

Two for one replanting rather than inch for inch replacement of non-high quality heritage trees

Inch for inch mitigation rather than fees for affordable housing properties



Existing Cap on Mitigation



Fee payment for three trees per acre

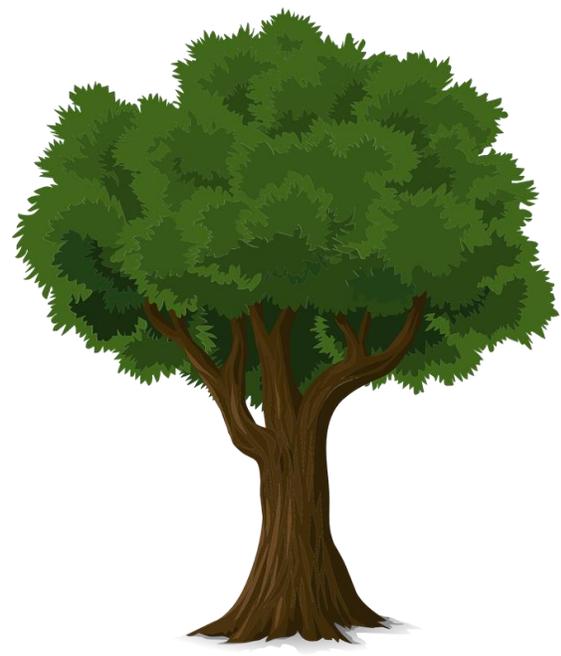
Inch for inch planting for additional trees

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Graduated scale for mitigation fees



Cap on mitigation fees as a % of assessed property value



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Set a maximum mitigation fee per acre



Two for one rather than inch for inch replacement of non high quality Heritage trees



Non-high quality Heritage tree removal



Plant two trees

Recommendations for Quick Changes to the Tree Ordinance

| Topic | Ideas |
|--------------------------------------|---|
| Incentives | Modification of parcel requirements |
| | Density Bonus Credit |
| Mitigation Fund Uses | Tree rebates for property owners who plant a tree |
| | Removal of invasive trees on public property |
| | Urban Forest Ecological Assessment |
| | Purchase of land in ROW acquisition for street tree planting |
| | Urban Forest Management Plan |
| | Tree maintenance on public property |
| | Tree giveaways |
| | Tree education programs |
| Economic Impact of Mitigation | Inch for inch mitigation rather than fees for affordable housing properties |
| | Two for one replanting rather than inch for inch replacement of non-high quality heritage trees |



Recommendations for Long Range Changes to the Tree Ordinance

| Topic | Idea |
|----------------------|--|
| Mitigation Fund Uses | Establishment of public parks within new large developments |
| | Conservation easement purchases for high quality trees |
| | Replacement tree planting for removal of non-high quality trees |
| | Removal of invasives on private property and replanting of shade trees |
| | Removal of invasives within stream buffers on private property |
| | Reduction in mitigation fees collected for a site for measures that promote the urban forest canopy on that site |
| | Allow mitigation funds to be used for tree planting projects on public property |
| | Reduction in mitigation fees collected for a site for measures that have ecological benefit to the wider community |



Recommendation for Long Range Changes to the Tree Ordinance

| Topic | Idea |
|--------------------------------------|---|
| Economic Impact of Mitigation | Cap on mitigation fees as a percentage of the assessed property values |
| | Set a maximum mitigation per acre for properties |
| | Graduated scale for mitigation, with a lower cap in dense urban areas |
| | Require performance bonds for tree planting with a corresponding reduction in quantity requirements |
| Incentives | Reduction in SMU fees |
| | Bonus for tree preservation in a performance based approach |
| | Reduction in storm water basin volume requirements |



Recommendations to City Commission

- **Vote on recommendations for Quick Changes to the Tree Ordinance.**
- **Direct staff to develop an implementation plan for the long range changes to the tree ordinance by Arbor Day 2018.**

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Questions?

