



Center for Urban Resilience









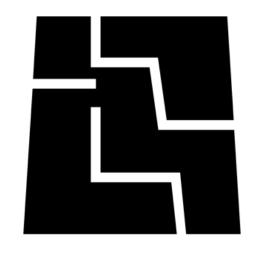


So What? Actionable Tree Intelligence – How do we use it

How do we get more canopy?



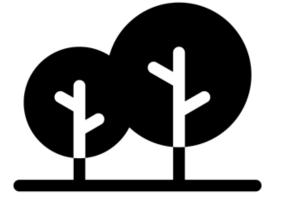
Assess every 5-10 years



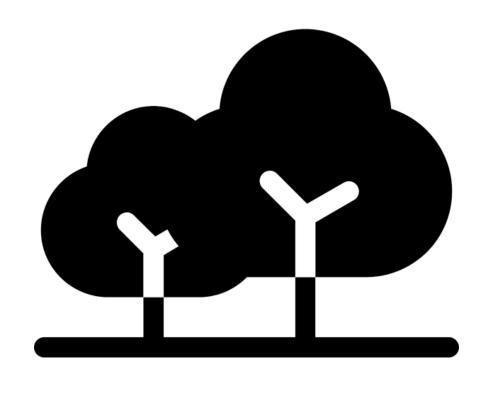
Decisions are made at the parcel



Tree loss is an event



Preserve
what you
have, gain is
a process



Tree Preservation: What are the triggers?

Preservation triggers

- Ownership

- Public, All

- Size

- Above certain size D or C

- Status

- Heritage, Street, Protected, etc.

- Activity

- Development
- Removal
- Pruning

Not mutually exclusive – may occur in combination



LA City + County Tree Preservation

LA City

- Ownership
 - Any/All
- Size
 - => 4" DBH
- Status
 - Protected (certain natives; oak+)
- Activity
 - Relocate or remove
- Mitigation
 - 1" trees = \$ to removed tree(s)
 - TBD fee-in-lieu



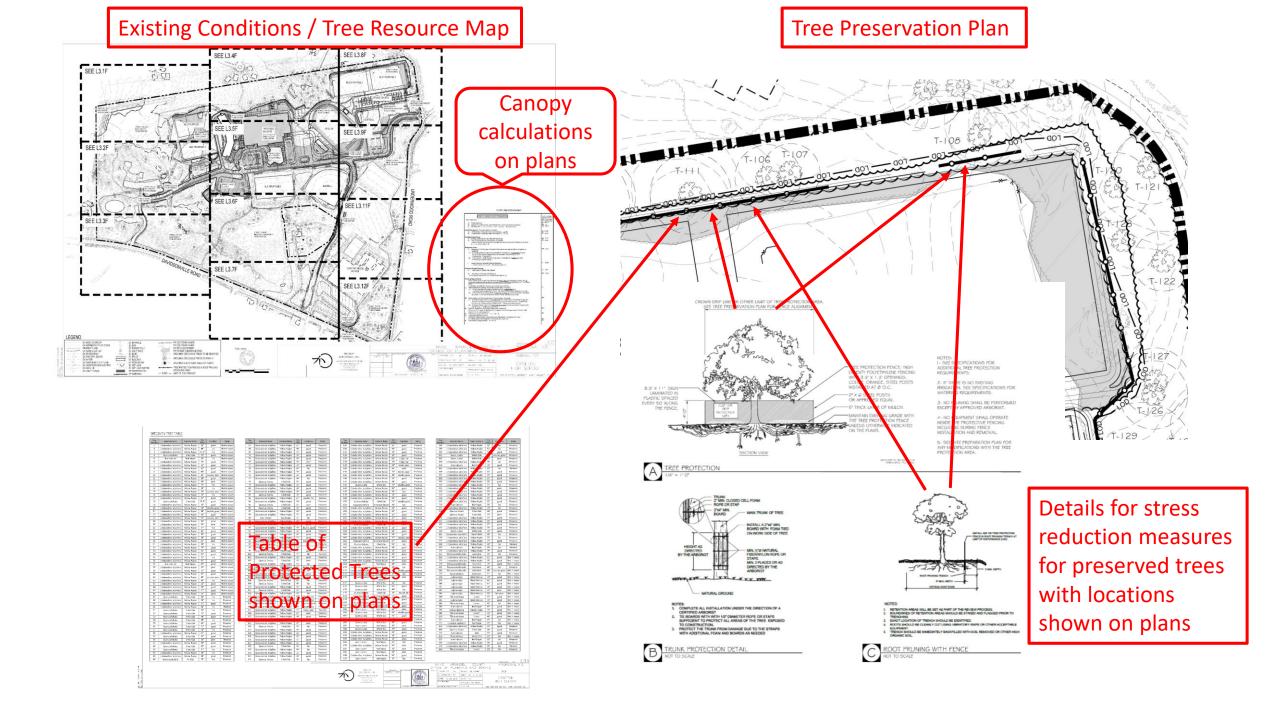
- **LA County** Ownership
 - Any/All
- Size
 - => 8" DBH
- Status
 - Protected (oak)
- Activity
 - Damage/destroy/remove/prune
- Mitigation
 - Two 1" trees
 - \$2,700 fee-in-lieu

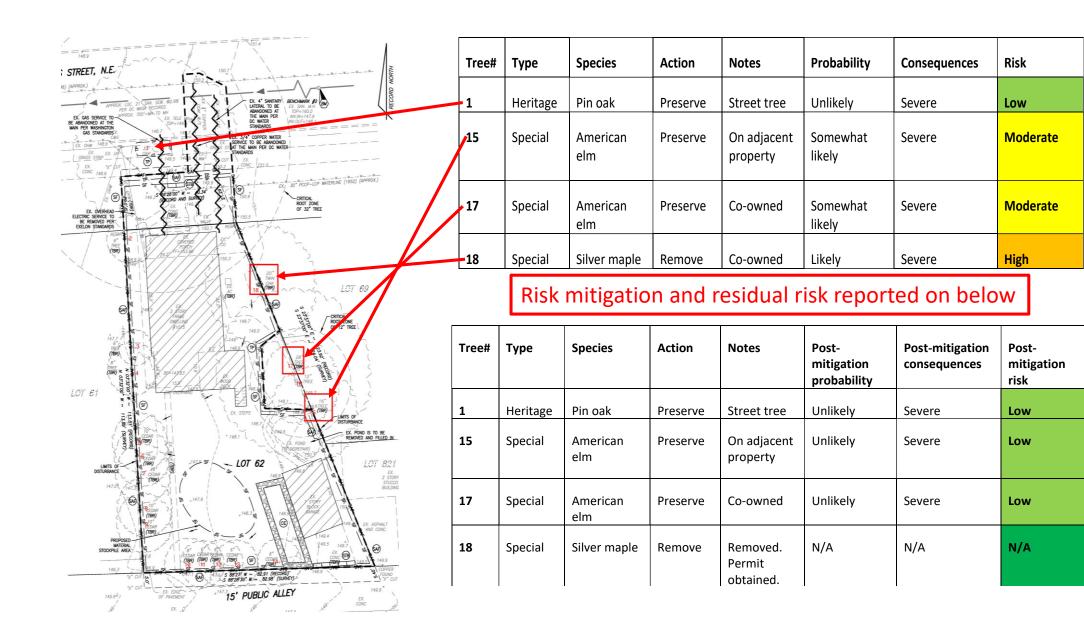


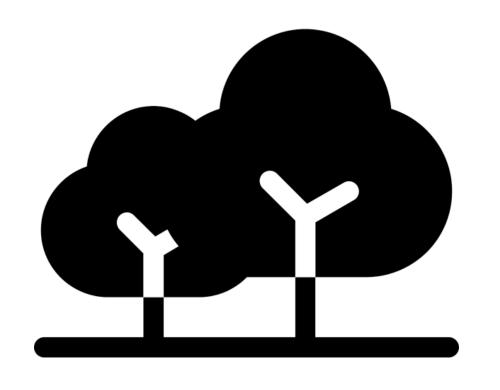
Development-related (ANSI A300-Part 5)

- Existing conditions
 - Forest stand size, type
 - Protected tree size, type, location
 - Size of parcel
 - Land use/zoning
 - Forest/tree cover preconstruction

- Tree preservation plan
 - Limit of Disturbance
 - Critical Root Zones
 - Trees to be removed
 - Trees to be protected
 - Stress reduction measures
 - Trees and forest to be mitigated







How many trees should there be on an acre?

Reforestation / Afforestation

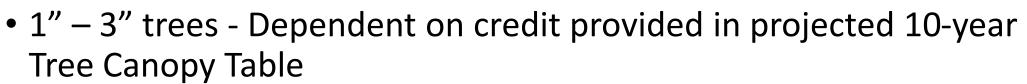
- Maryland Forest Conservation Act
 - Seedlings/whips 700 tpa, 8 x 8
- Fairfax County, VA
 - Seedlings 10-15 per 1,000 ft2
- CAL FIRE Forest Stewardship Program
 - Seedlings 680 tpa, 8 x 8 or 300 tpa, 12 x 12
- If regulated, perform to compliance requirement
- If no compliance requirement, go to state forestry agency for technical assistance



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Urban planting

- Maryland Forest Conservation Act
 - 1" trees 200 tpa
 - 2" trees 100 tpa
- Fairfax County, VA



- Chesapeake Bay Program Urban Tree Canopy BMP Expert Panel
 - 300 tpa Assumes 10-year growth, 2.5% 5% mortality

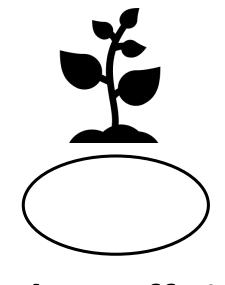


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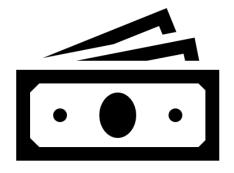
Mitigation



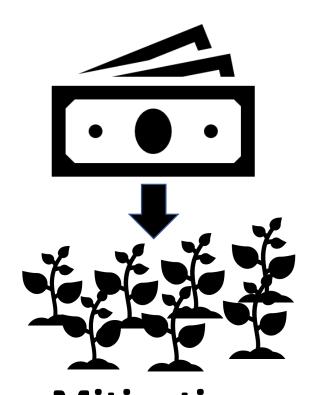
Plant on site



Plant off site



Fee-in-Lieu payment



Mitigation bank purchase

NEXT STEPS

- What additional analyses would be useful?
- •How do we operationalize the data?
- Regional tree preservation consortium?
- Market segment outreach strategy?
- Use Los Angeles STEW-MAP to engage the network?
- Advocate for URBAN FIA Los Angeles?