

Climate Protection Action Committee

January 9, 2020



CAMBRITALE OF PUBLIC











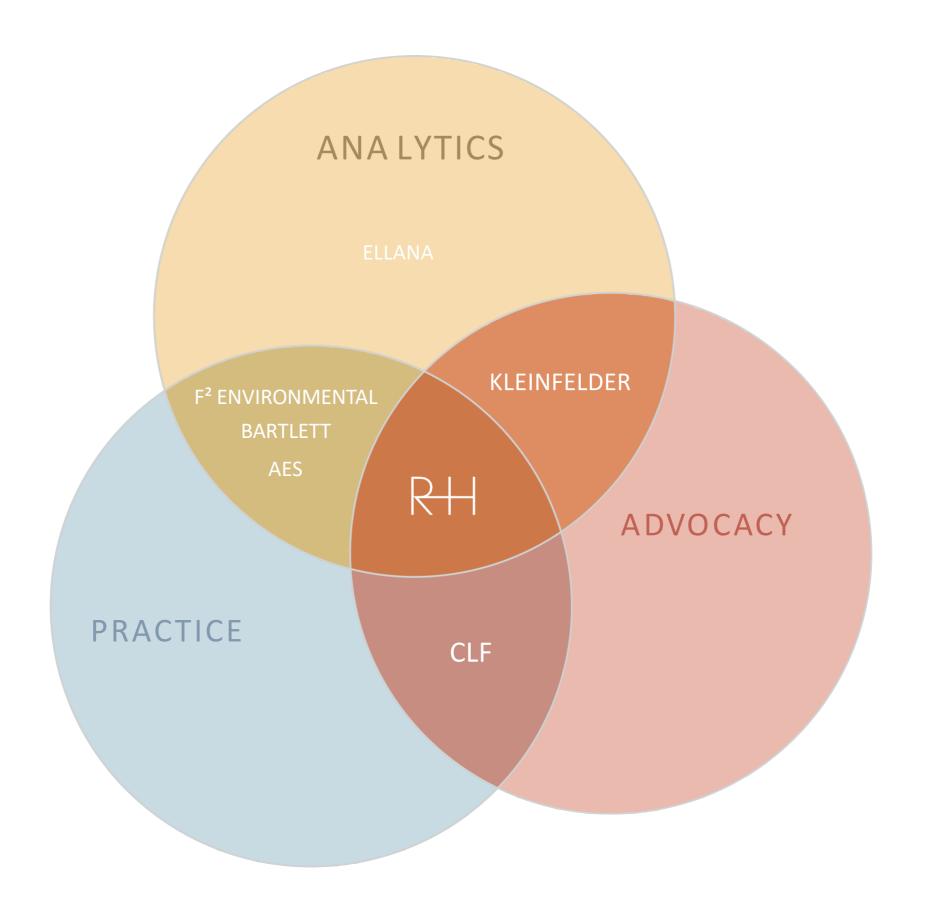




SUMMARY OF TECHNICAL REPORT

NEXT STEPS

Q & A



REED HILDERBRAND

SUMMARY OF TECHNICAL REPORT

NEXT STEPS

Q & A

URBAN FOREST MASTER PLAN

Process overview

Builds upon findings of the CCVA

Attempts to deepen the City's **understanding** of the anticipated risks to the urban forest

Proposes strategies that **support goals of CCPR**:

building infrastructural, economic, and social resilience that integrates the built and natural environments.

Task Force met 12 times during 2018-2019 to review progress, pose questions, and provide advice to the consultant team, and the interaction with the Task Force has significantly shaped the content of this report, the approach to the subject, and the components of the response strategies.

UFMP is as a **unique project**, one that other communities are looking to emulate in planning for the future





TASK FORCE MEMBERS

Barbara Murphy-Warrington, Resident

Louise Weed, Resident

Caitlin McDonough Mackenzie, Resident

Ahron Lerman, Resident

Kathleen Fitzgerald, Resident

Tessa Mae Buono, Resident

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Denise Jillson, Resident, Exec. Director of Harvard Square Business Assoc.

Maggie Booz, Resident, CPP Co-chair

Florrie Wescoat, Resident, CPP Co-chair

Megan Nichols Tomkins, Representative of the Chamber of Commerce

Caitlin Tamposi, Representative of the Chamber of Commerce (former TF member)

Laura Tenny, MIT Representative

Mark Verkennis, Harvard University Representative

Tom Evans, Cambridge Redevelopment Authority Representative

Joe Bendar, Cambridge Housing Authority Representative

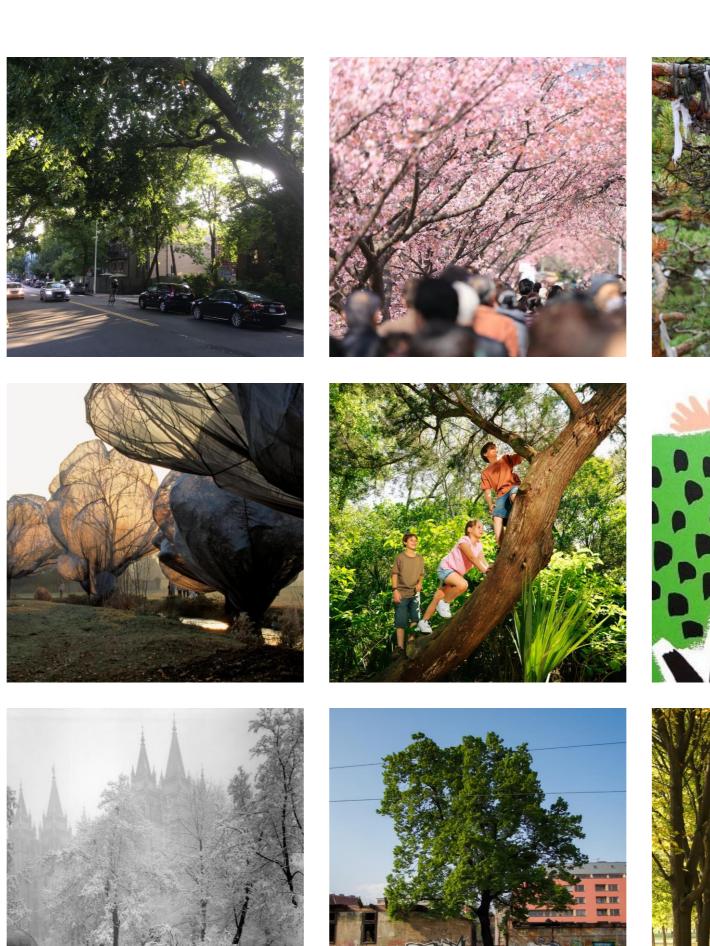
Michael Johnston, Cambridge Housing Authority Representative (former TF member)

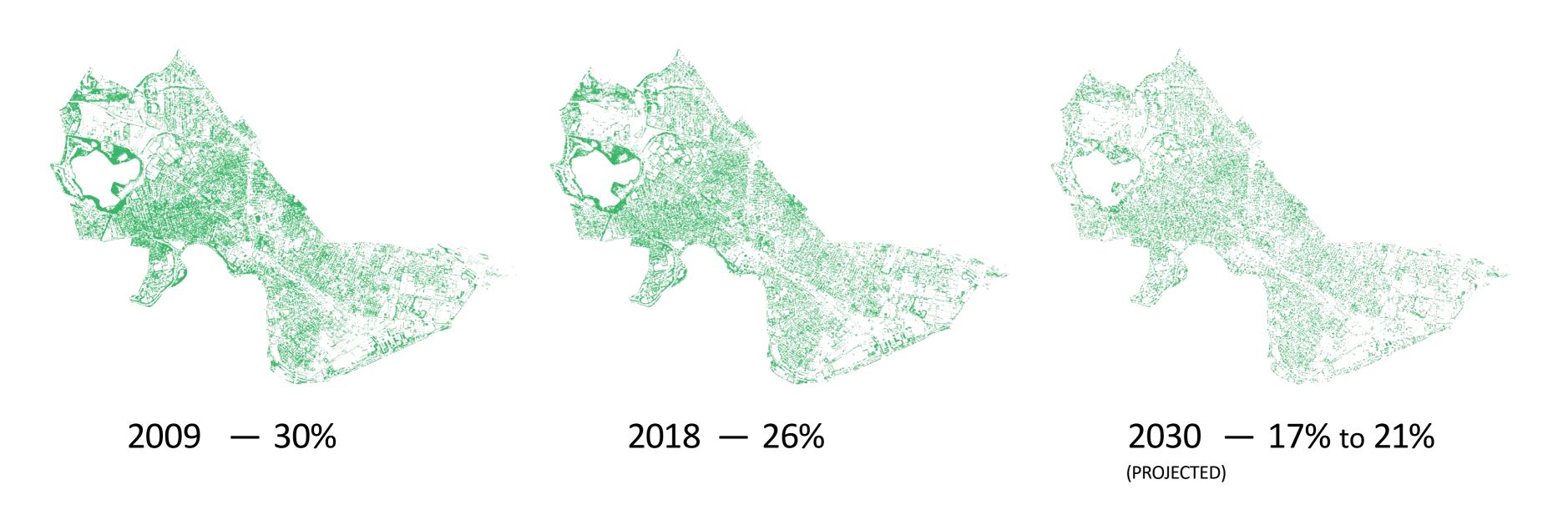




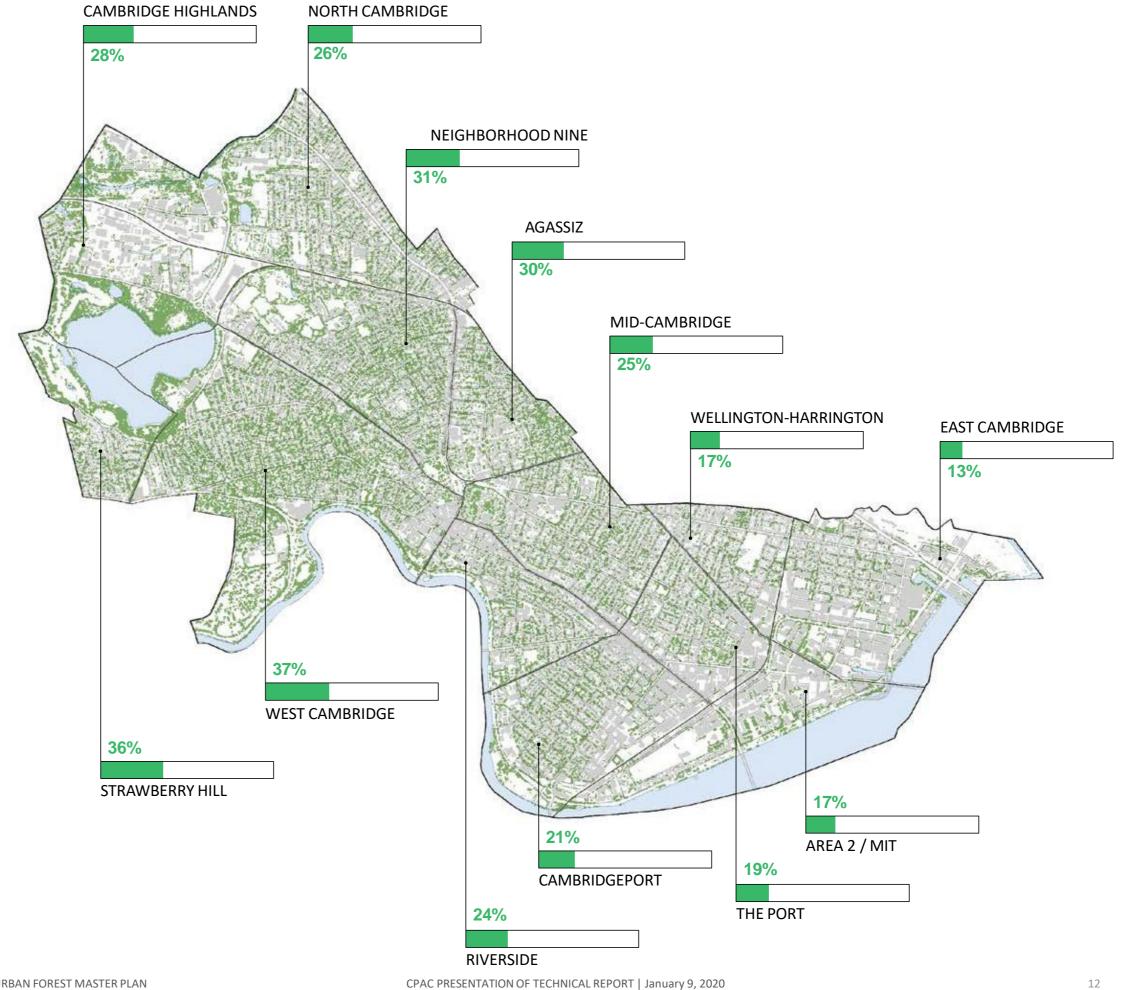


WHAT DO TREES MEAN TO US?

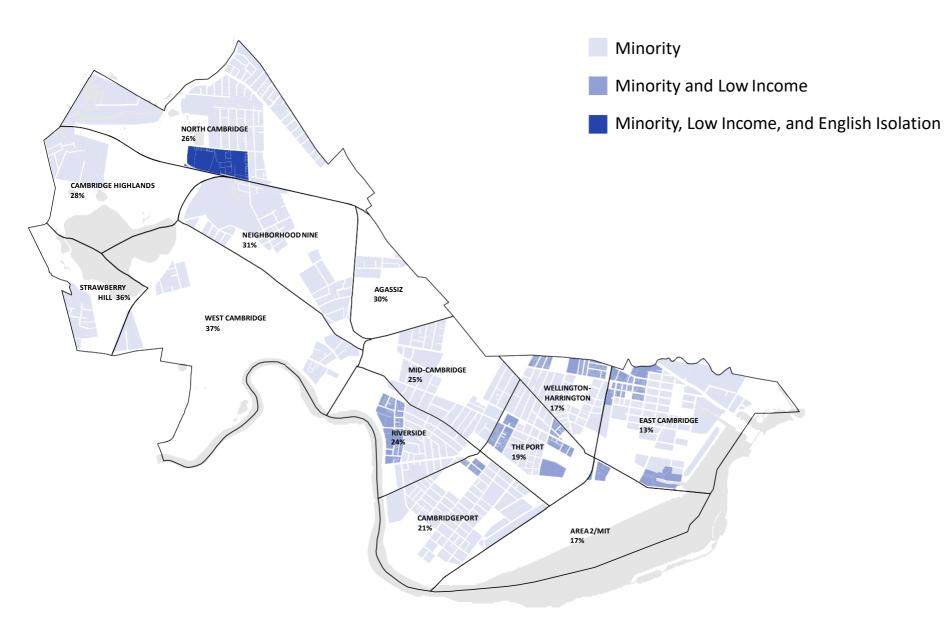




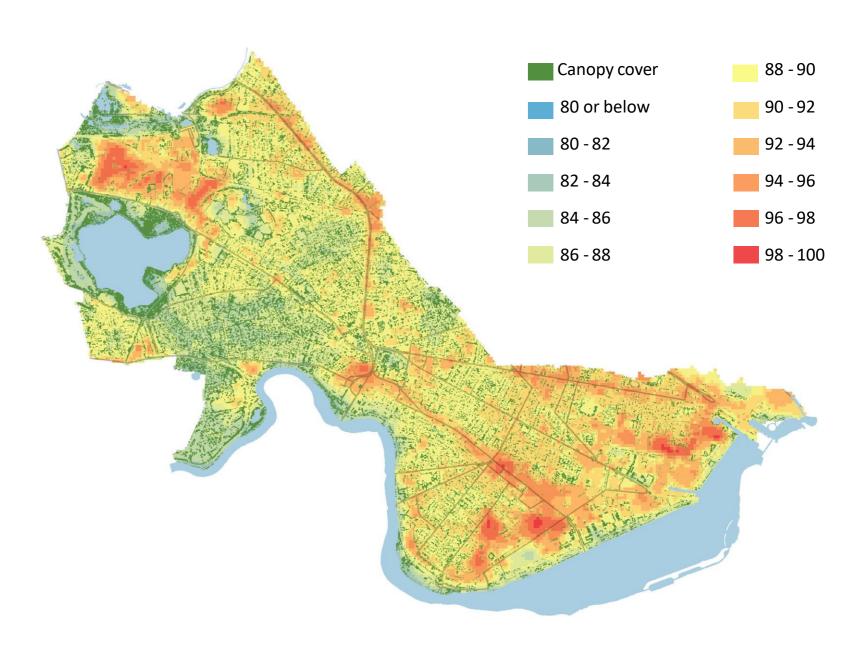
Canopy cover is not equitably distributed



Canopy cover is not equitably distributed



POPULATIONS AT RISK



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COMPARISON BETWEEN HEAT ISLAND AND CANOPY COVERAGE

Estimated ambient air temperature of a 90° F day

Canopy cover is not equitably distributed



EAST CAMBRIDGE



WEST CAMBRIDGE

CAMBRIDGE URBAN FOREST MASTER PLAN

Private property represents 72% of the total loss since 2009 and 58% of the total 2018 canopy

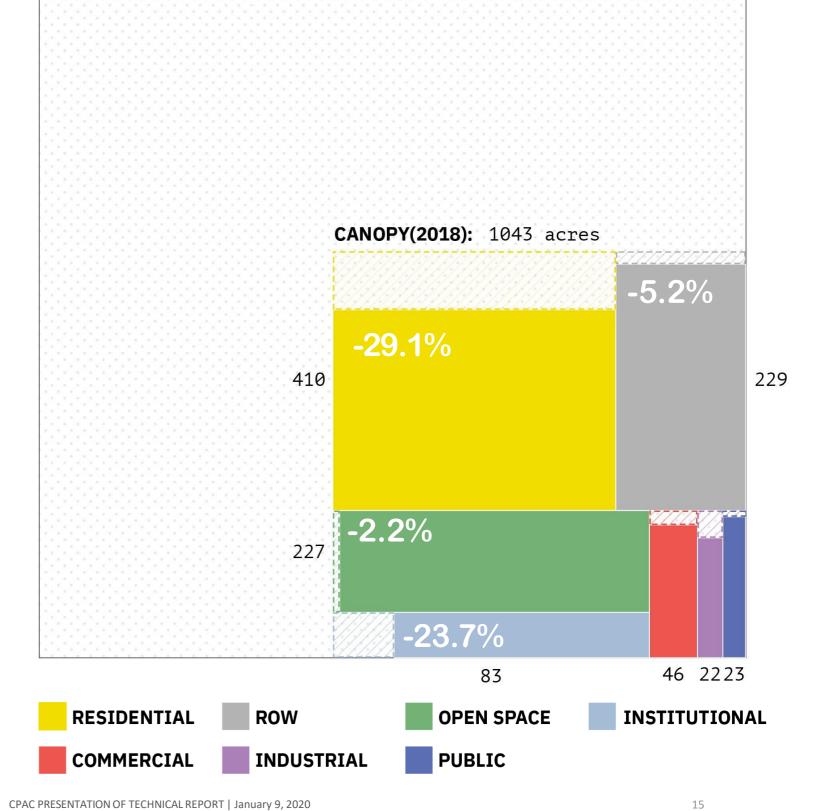




CITY AND STATE OWNED TREES

PRIVATE TREES

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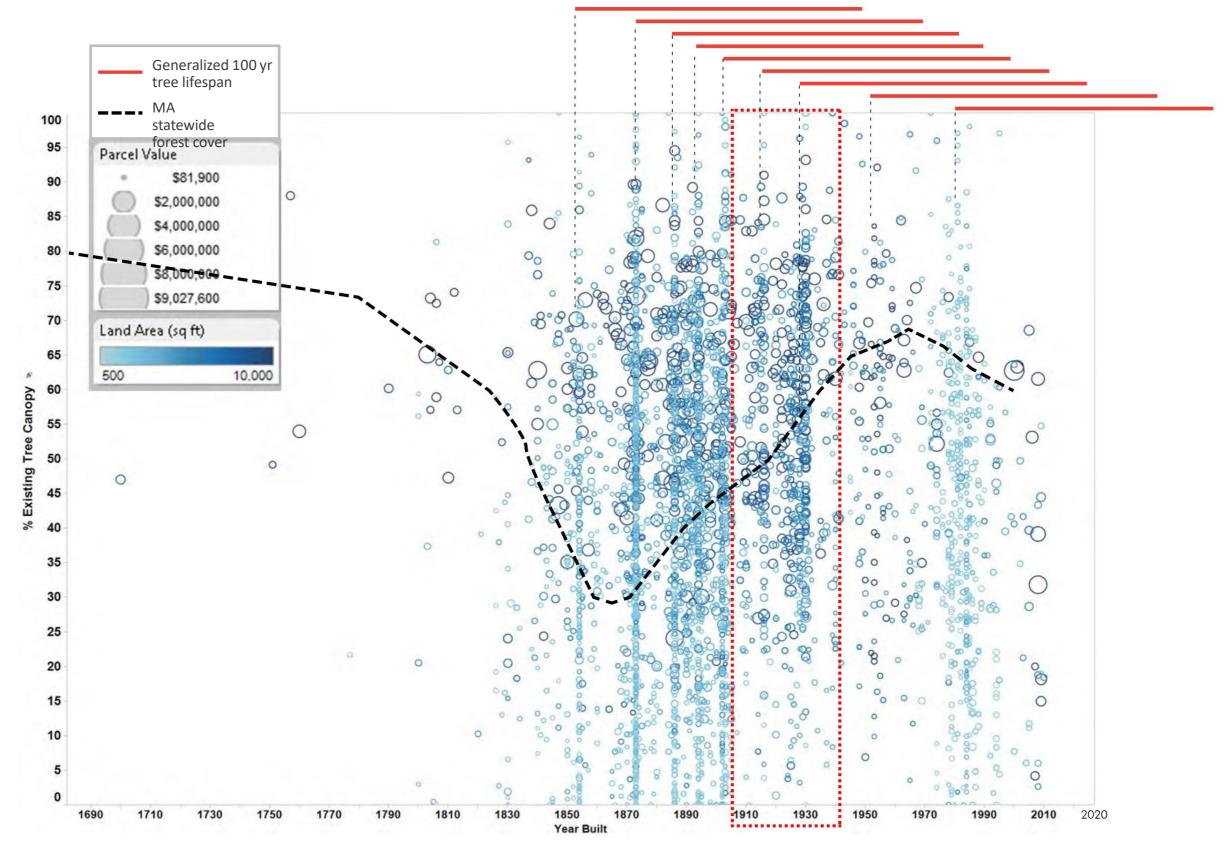


AREA OF CAMBRIDGE CITY

Areas with front yard setbacks have street trees in better condition



Urban canopy goes through cycles of boom and bust



Properties containing homes built around 1920 have an unusually high percentage of tree canopy

Multiple factors impact the future condition of the forest

2030, 2050 and 2070 Baseline Scenario

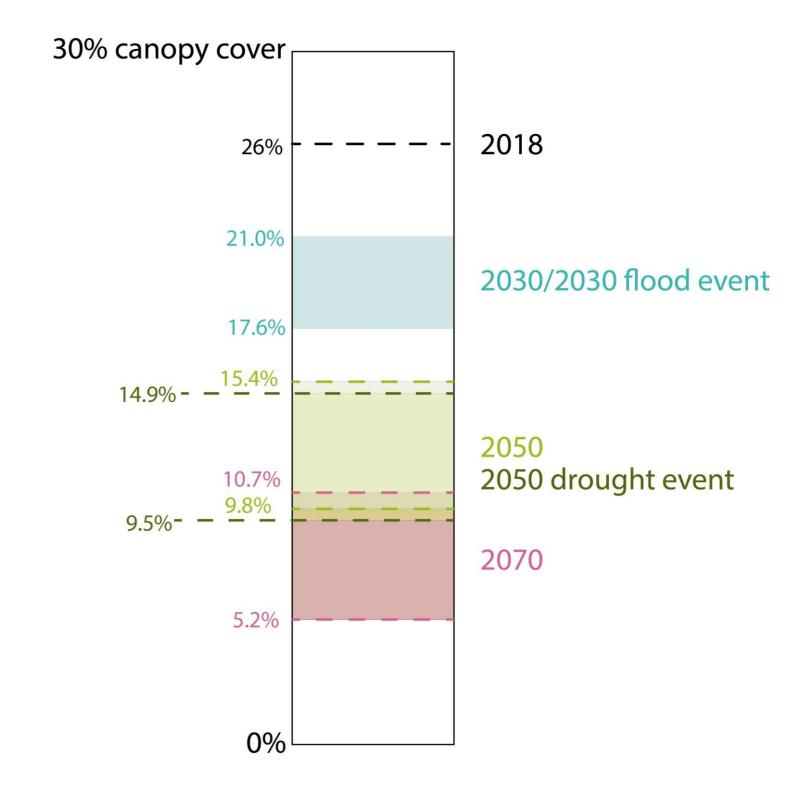
- existing and potential pests and diseases
- temperature change and hardiness zone shift
- existing replanting and growth rates

2030 Flooding Scenario

 areas experiencing standing water > 24 hrs in a simulated 100 yr flood event

2050 Drought Scenario

 a moderate drought event projected to occur once every 30 years within the 2035 to 2064 timeframe (Hayhoe et al 2006)



Annual net loss rate in canopy models ranges from 1.8% to 3.2%.

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Climate change will alter the character of the forest

The **species composition** of the future forest is influenced by suceptibility of individual species to climate risks, particularly pests and diseases.

Flooding was found to have a potentially minimal impact on the canopy.

Drought was found to have a potentially **moderate impact** on the existing tree canopy.

Core Concepts

To maintain, plan, build, and sustain a healthy, connective urban forest

Understand the forest as a living system

Value the forest as a public resource

Invest in canopy in the public realm

4
Share responsibility for a healthy forest

APPROACH

Draft goals and targets



EQUITY

Goal

Minimum 25% cover per neighborhood

Target

Each year, plant X* trees in neighborhoods deficient in canopy

Feasibility Analaysis

Six neighborhoods do not currently meet the target. Will be difficult to achieve in East Cambridge.

SHARED RESPONSIBILITY

Goal

City, residents, universities, developers all to increase their canopy cover by 10 to 25% by 2050

Target

Each year, each constituent plants X* number of trees

Feasibility Analysis

There is enough plantable area to achieve this goal.

RESILIENCE

Human resilience goal

60% of sidewalks canopy covered.
 50% reduction in the number of hotspots (92 degrees when 90 degree average) in the R.O.W.

Target

Each year, plant X* trees in the R.O.W.

Forest Resilience Goal

No more than 10% of a single species, 20% of a genus and 30% of a family.

Target

Each year, plant more of X* species on recommended list, fewer of

+30%
CANOPY
COVER
CITYWIDE

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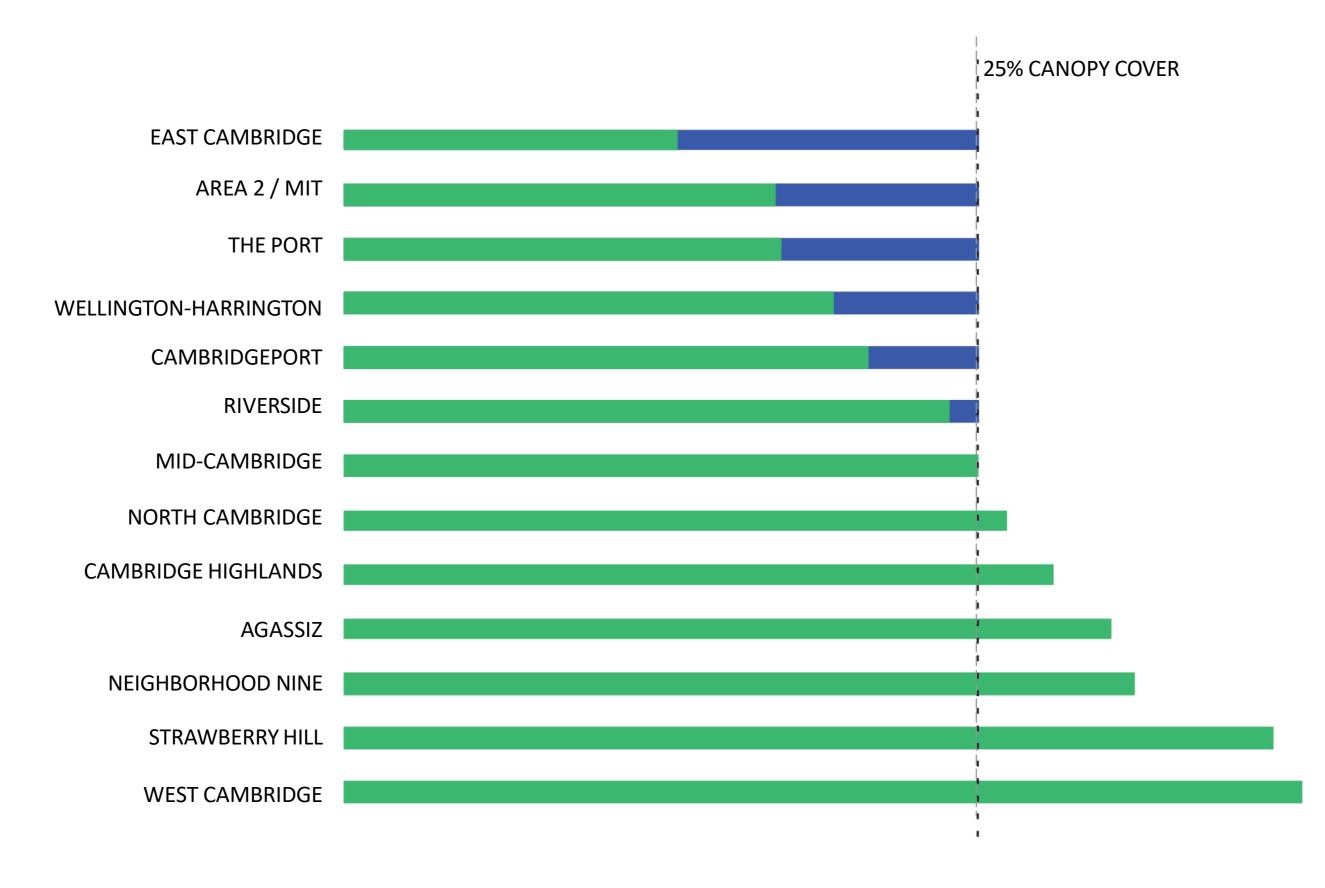
FEASIBILITY

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^{*}Planting target numbers will fluctuate depending on a number of factors such as neighborhood, constituent type, and most recent data on loss rates.

EQUITY

Set a minimum canopy cover goal by neighborhood

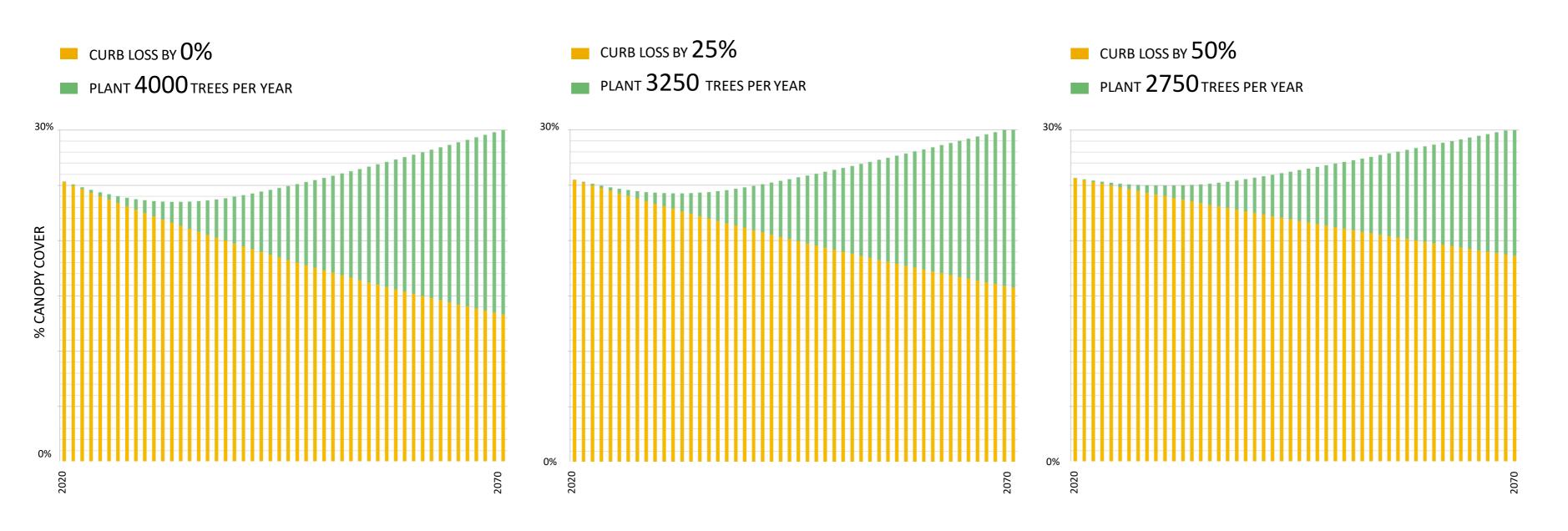




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SHARED RESPONSIBILITY

Understand the importance of curbing loss to reaching 30% canopy cover



SHARED RESPONSIBILITY

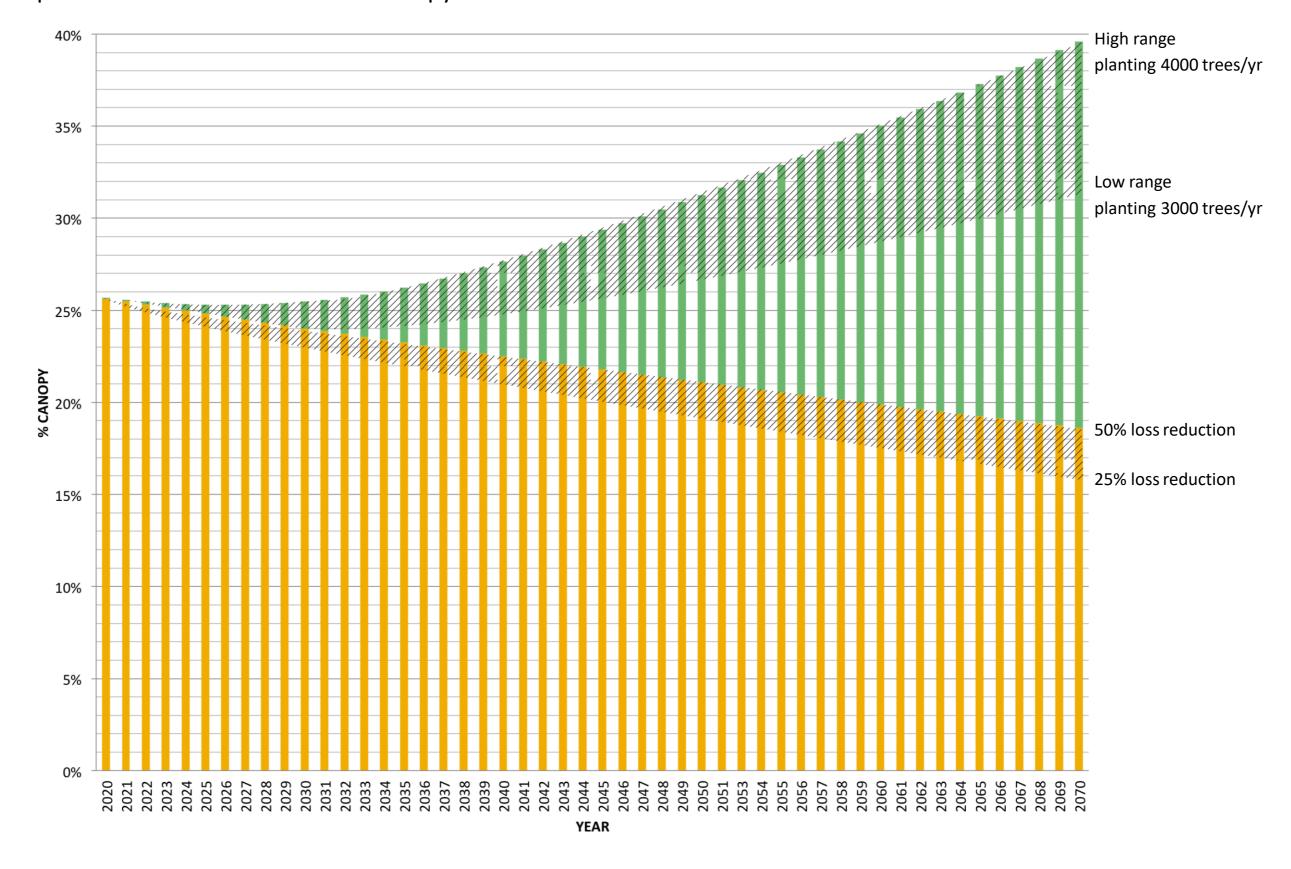
Set targets for curbing loss and planting more trees

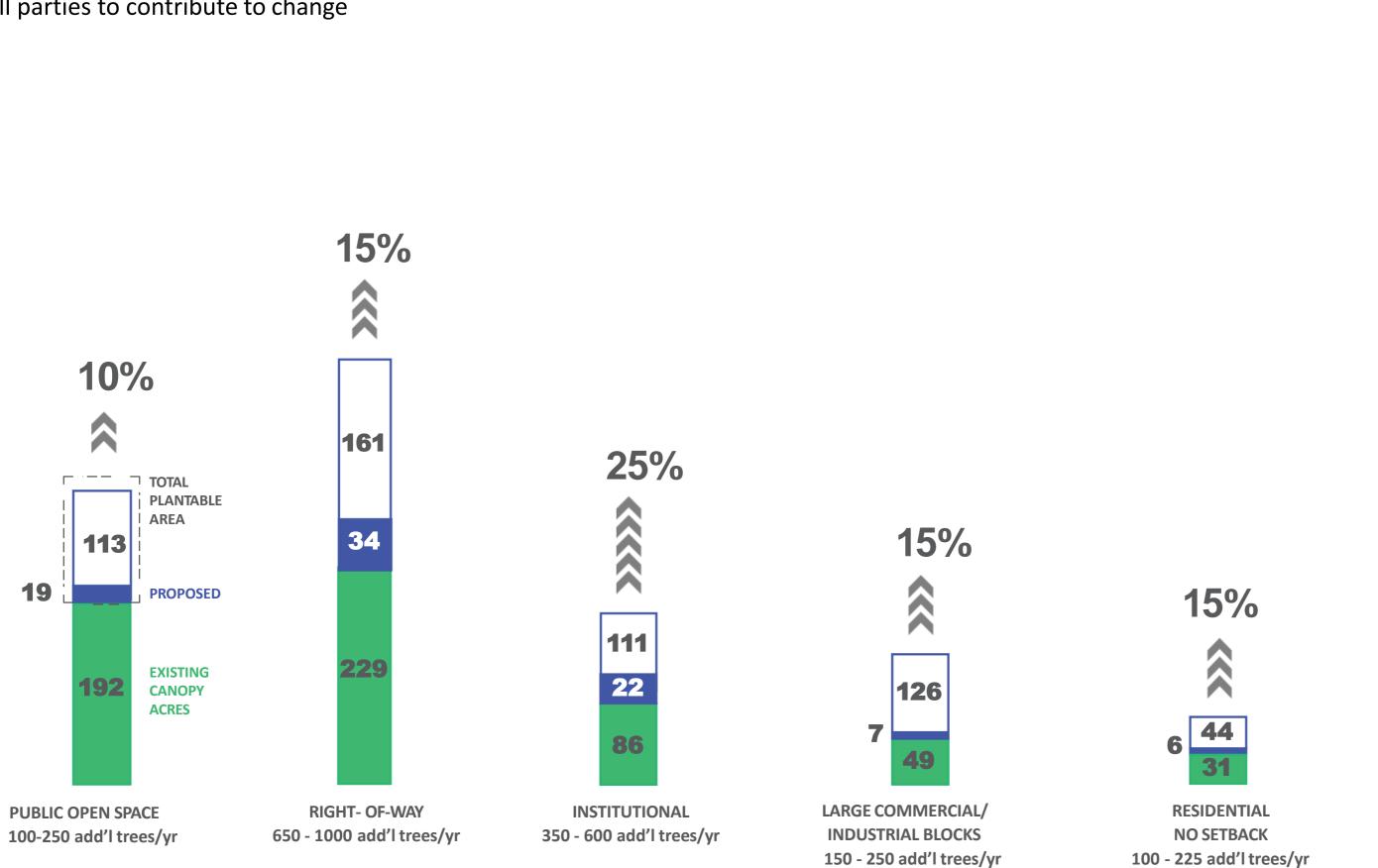
Plant Additional New Trees Per Year	Reduce Net Loss by%	Canopy Cover In 2030	Canopy Cover In 2050	Canopy Cover In 2070
0 (do nothing scenario)	0%	22.8%	17.5%	13.5%
0	25%	23.5%	19.4%	15.9%
0	50%	24.3%	21.4%	18.7%
2,000	0%	23.4%	22.4%	24.0%
2,000	25%	24.2%	24.2%	26.4%
2,000	50%	24.9%	26.2%	29.2%
4,000	0%	24.0%	27.2%	34.5%
4,000	25%	24.8%	29.0%	36.9%
4,000	50%	25.5%	31.0%	39.7%

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SHARED RESPONSIBILITY

Understand the relationship between loss rate and future canopy cover

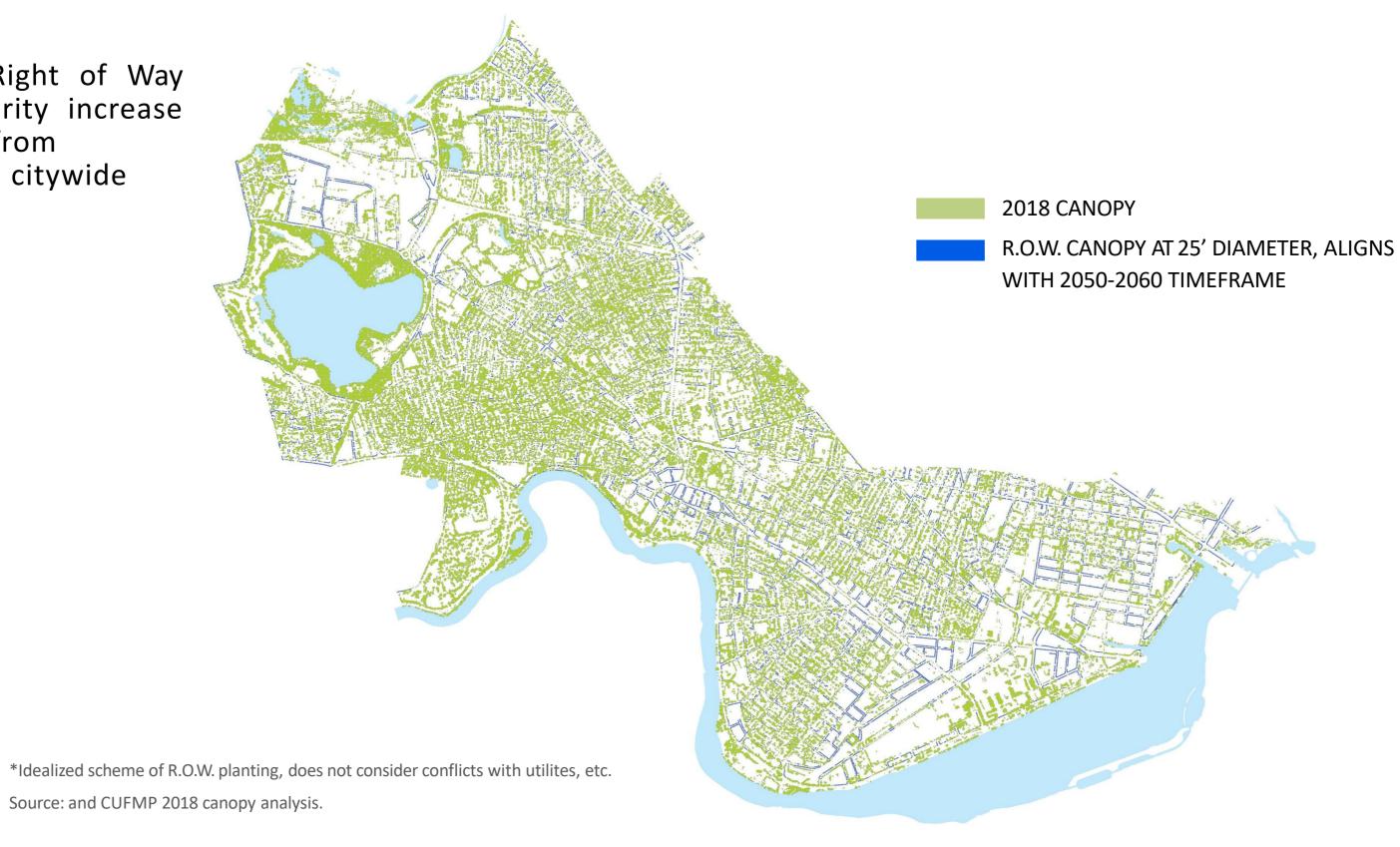




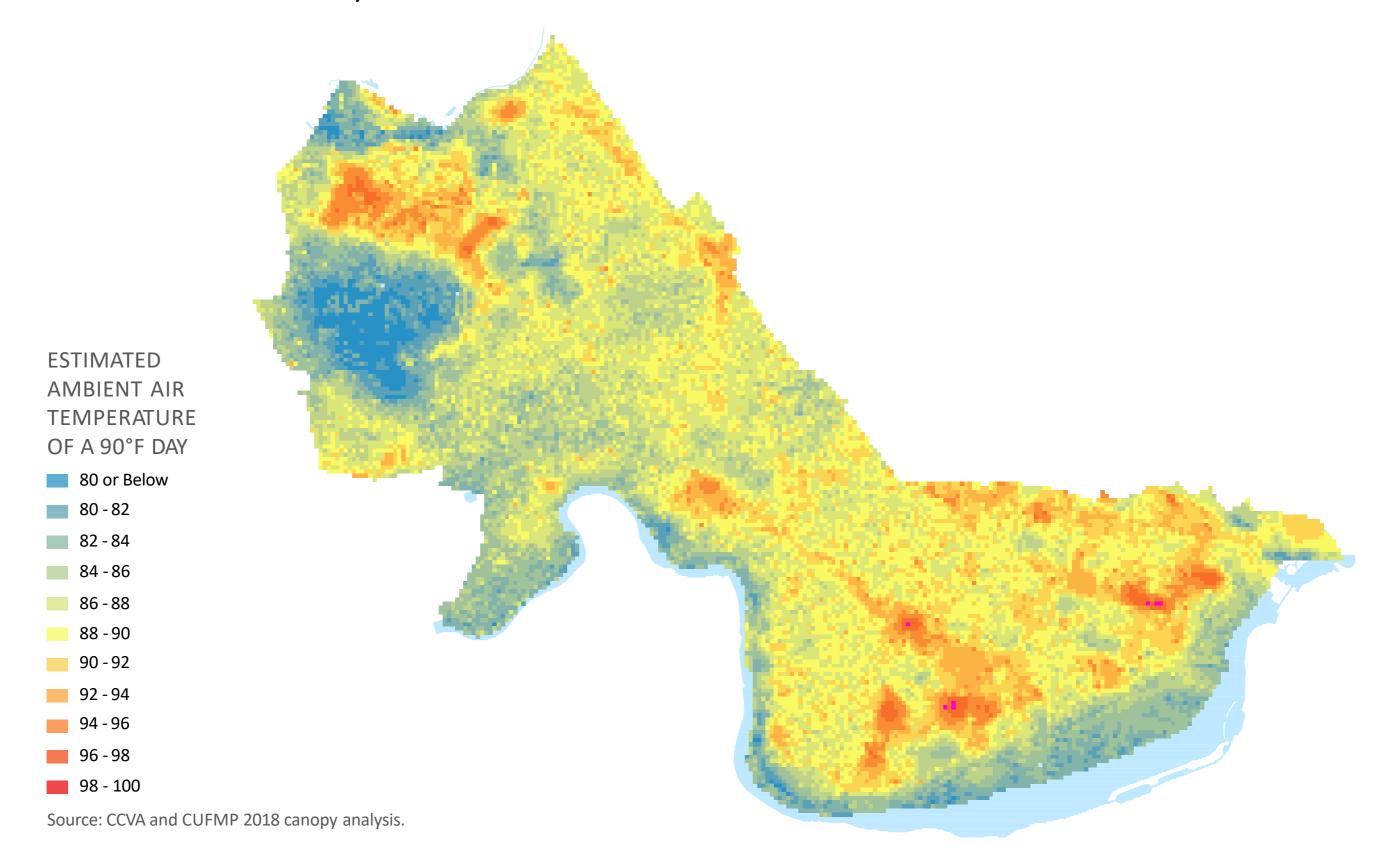
15%

Shade the Public Realm

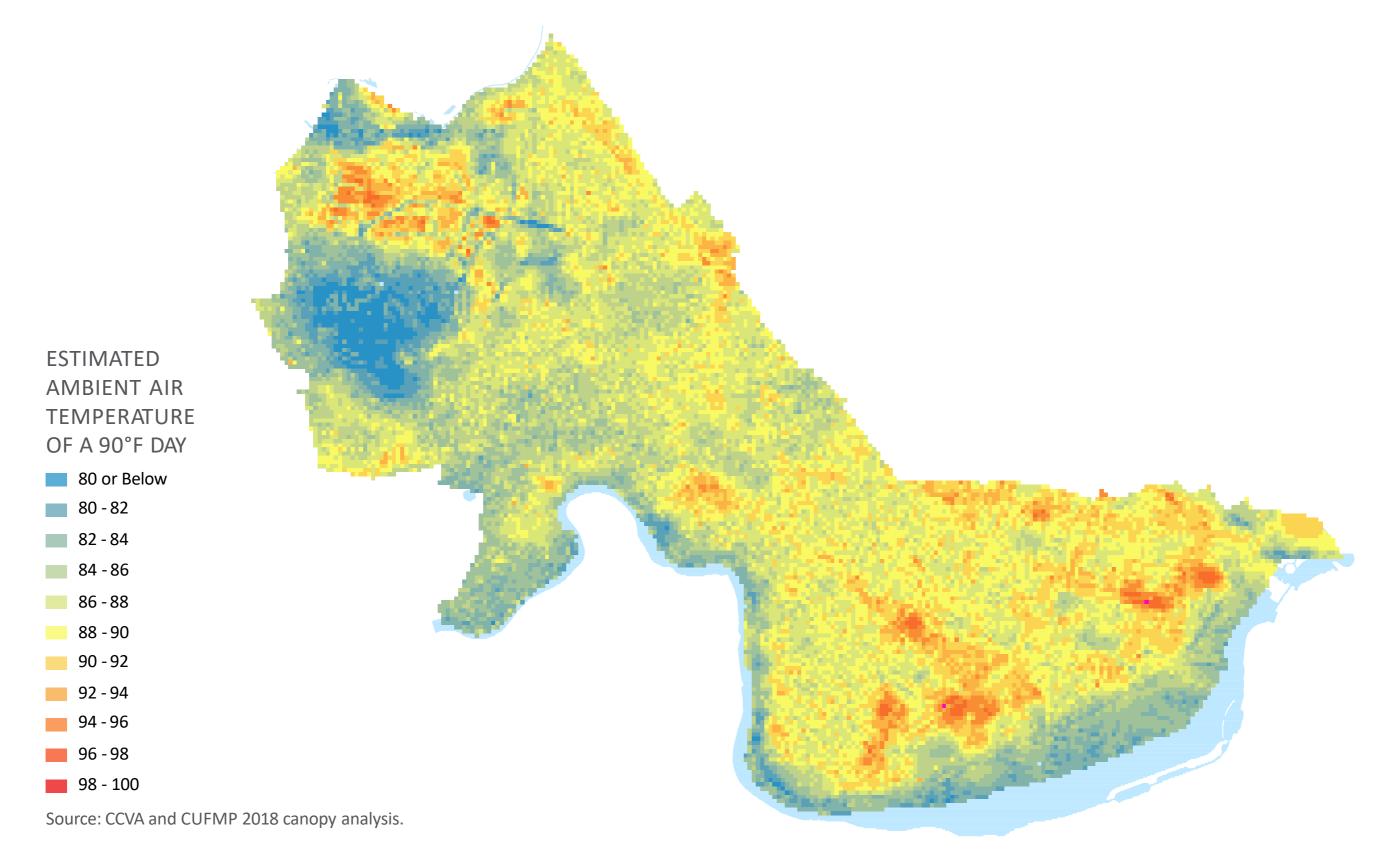
12,000 new Right of Way trees at maturity increase canopy cover from 26% to 27.5%* citywide



Heat island as felt in 2018 is not evenly distributed

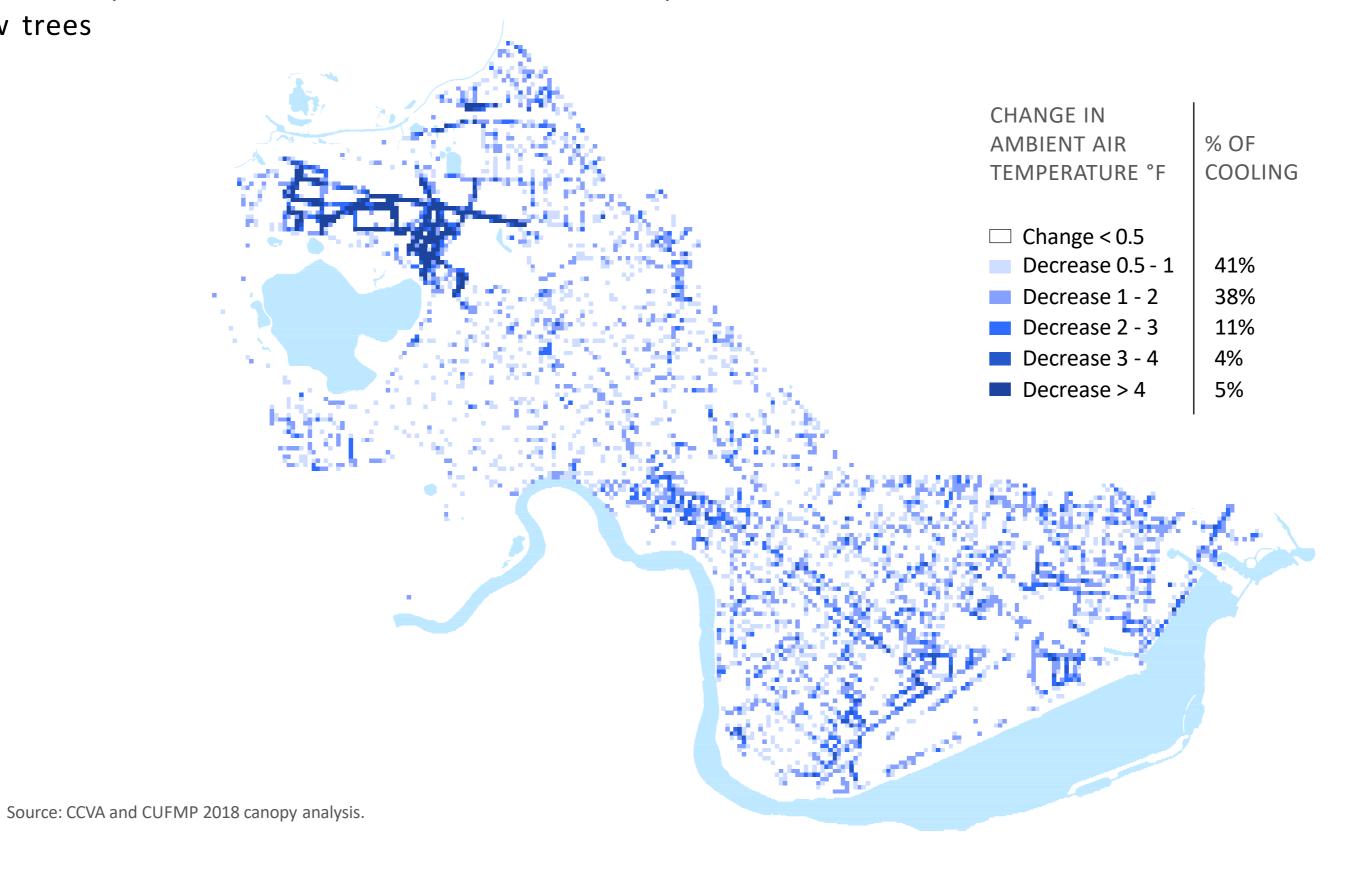


12,000 new ROW trees at maturity reduce heat island along important corridors

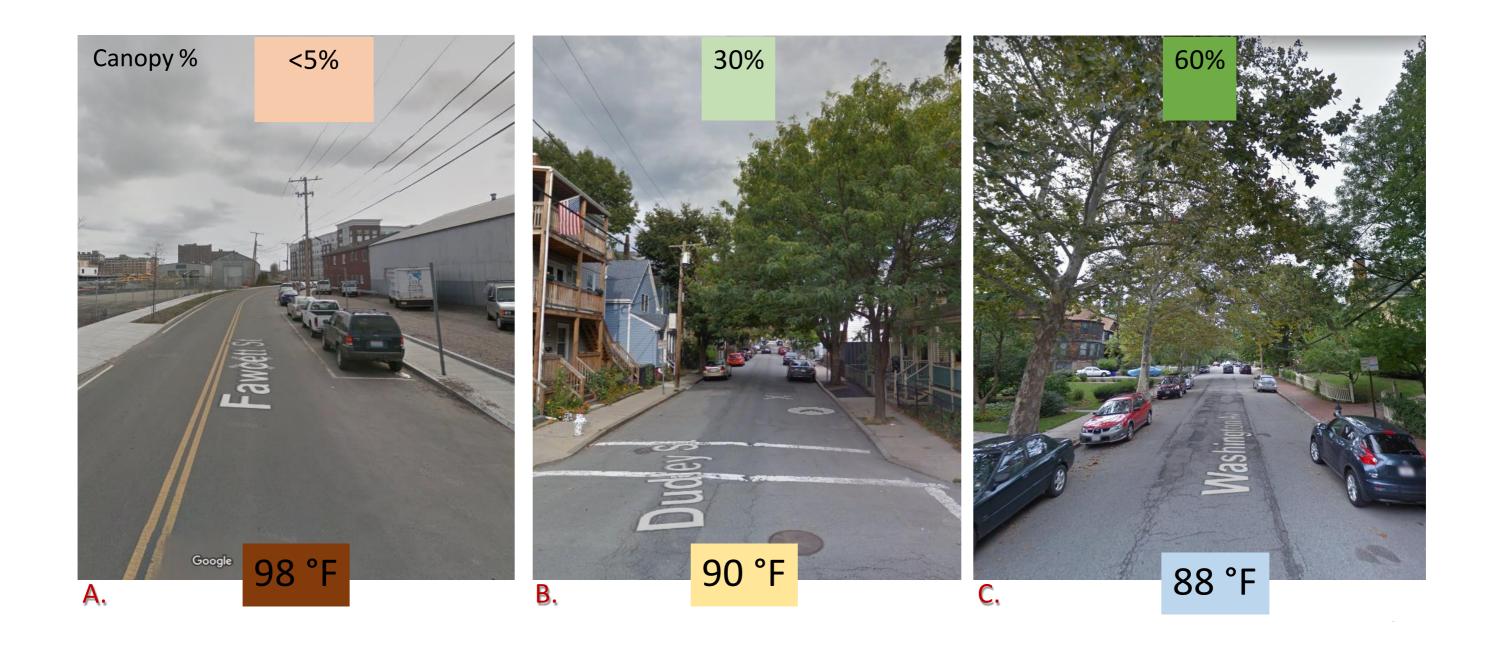


25% of the city would experience 0.5 °F or more decrease in temperature

with 12,000 new trees

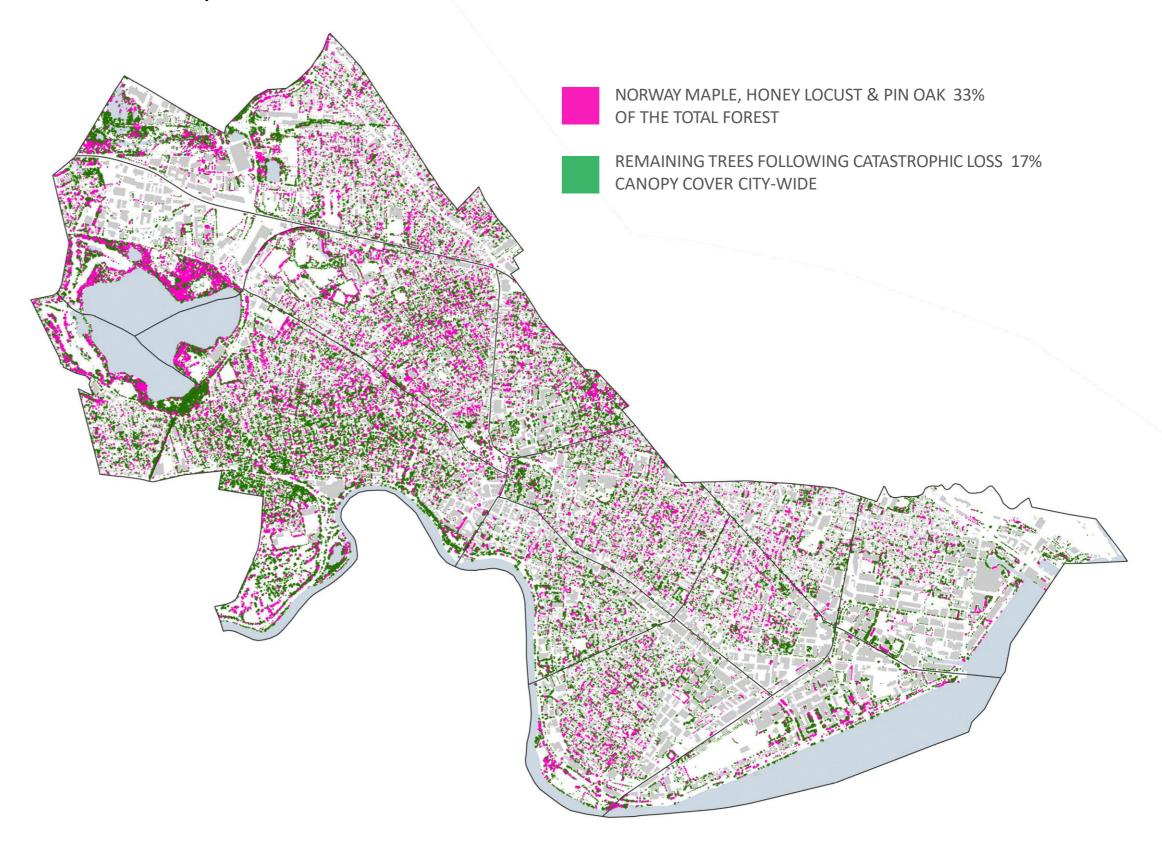


Cooling impact relative to streetscape (90 degree day)



Diversify the Cambridge forest to better withstand catastrophic events

TOTAL FOREST 30 % FAMILY 20% GENUS 10 % SPECIES



CURB LOSS + GROW CANOPY

An all-of-the-above approach

A menu of 47 strategies:

- 19 Policy
- 7 Design
- 9 Practice
- 12 Outreach & Education

_	Enhance and Expand the Tree Protection Ordinance	Policy
2	Formalize Practices for Planting and Inspection	\
3	Leverage Land Use Requirements	
4	Leverage Public-Private Partnerships	
5	Institutionalize Tree Priorities	=
6	Plant Resilient Species	Desig
7	Street Tree Planting Strategies	3
8	Site New Parks and Open Space Strategically	
9	Improve Monitoring	Practice
10	Expand Maintenance	ices
11	Expand Planting Practices	
12	Invest in Educational Programs	Outreach
13	Build Community Partnerships	ach
14	Seek Alternative Green Strategies	Other
15	Integrate UFMP into Complementary Planning Studies	

STRATEGIES

Policy strategy 3B

POLICY STRATEGY 3A

Redefine Significant Trees to 6" DBH

IMPACT AREAS







GROW CANOPY

SUMMARY

For projects requiring a special permit from the Planning Board or development projects subject to large project review (25,000 sq. ft. or more), the city's tree protection ordinance provides certain protections. These protections only apply to "Significant Trees," which are defined as trees greater than 8" DBH.

Other cities and towns locally and across the country offer protections for trees with a lower DBH. In particular, protections for trees with 6" DBH or greater is common.

ANALYSIS

The statistical sample of Cambridge's tree population completed as part of this study found that of 4,118 trees inventoried, 41 percent measured greater than 8 inch DBH versus 60 percent which measured 6" DBH or greater. If the city were to redefine Significant Trees as 6" DBH or greater, this would increase the number of trees captured under the ordinance for the purposes of new or redevelopment by about 49 percent.

PROS

Increases the number of trees protected by the ordinance

Burdens large projects rather than individual residents or the City

CONS

Adds cost to certain projects, including those which provide housing and other community values

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PRECEDENTS

National: Local:

Atlanta, Georgia Concord, Massachusetts
Seattle, Washington Lexington, Massachusetts
Oakland, Florida Brookline, Massachusetts

Miami, Florida Anna,

Texas

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Applies to more proposed development projects and thus requires additional city resources to review and approve plans

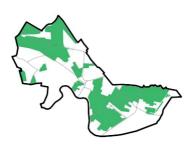
STRATEGIES

Policy strategy 3B

POLICY STRATEGY 3B

Increase front setback and open space requirements in priority areas through Zoning **Ordinance**

IMPACT AREAS







STEM LOSS



SUMMARY

Various tree-related requirements and landscape mandates are currently scattered throughout City zoning. Most of these requirements are tied to narrowly defined site uses (such as parking facilities or townhouses) and limited districts (such as the Parkway or Prospect Street Overlay Districts).

The Zoning Ordinance also includes requirements for setbacks and open space, which have implications for the amount of area available for planting on sites, but do not specifically define the amount of planting required.

The concepts behind this strategy have been taken under consideration by the Resilient Zoning Task Force.

PROS

Increases plantable area on new development sites

Targets high priority areas

PRECEDENTS

National: Baltimore, MD* Austin, TX*

*Note that these cities did not increase setbacks and open space requirements for the sole purpose of facilitating planting in high priority areas but did use sociodemographic and other factors to determine high priority planting areas.

ANALYSIS

The City of Cambridge could increase the minimum front setback and open space requirements for all or certain zoning districts to increase the amount of space available

for planting on lots. While many of the City's residential districts have substantial requirements, most industrial and business districts in the city have little or no front setback and open space requirements.

This would not require the implementation of a new concept; rather it would simply involve a revision to the existing minimum requirements. The city could coordinate increased requirements to match the areas designated as "high priority" for planting and preservation. The City could customize enhanced planting areas based on building typology, land use, urban form, and other factors.

CONS

Conflicts with other City goals of density and consistency with existing urban form

Require amendments to zoning, which is likely to be a complex political process

Places burdens on redevelopment projects

Applies only to new development and construction projects, having impact only over the long term

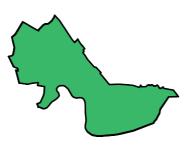
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Policy strategy 3A

POLICY STRATEGY 3A

Establish canopy coverage requirements by parcel through Zoning Ordinance

IMPACT AREAS







CDOW

SUMMARY Today Camb

Today, Cambridge has 26 percent of its land area covered by canopy. Between 2009 and 2018, the canopy declined on average by 16.4 acres every year. At this rate, canopy cover will be 21.6 percent in 2030.

This is also a time period in which significant redevelopment has taken place, and long- term plans such as Envision Cambridge are currently setting out a vision for the next areas of significant development. Zoning is the most effective way to influence development, but currently Cambridge zoning has little specific direction about trees or canopy cover.

The concepts behind this strategy have been taken under consideration by the Resilient Zoning Task Force.

ANALYSIS

If the City amended the Zoning Ordinance to require specific canopy coverage percentages by land use or district, future development would be structured to contribute to

overall City-wide goals. Emphasis or higher percentages could be applied to priority areas such as canopy corridors through an overlay district. If cover requirements were to apply citywide, they could be incorporated into the existing requirements/standards for open space or established as a separate minimum requirement alongside the existing setback and open space requirements applied to each zoning district and land use type.

Land Use Type	2018 Acres of Land Use Overall	2018 canopy cover	Canopy cover target (DRAFT)	Plantable area (not currently canopy covered)	New canopy acres to meet canopy cover targets
Residential - no setbacks	192	16%	20%	44	17
Residential - setbacks	1363	29%	35%	440	86
Institutional	436	20%	30%	111	44
Commercial/industrial	558	9%	15%	126	34

PRECEDENTS

National: Chapel Hill, NC Providence, RI Manassass, VA Augusta, GA

PROS

Creates more consistency and predictability for property owners and developers

Focuses coverage goals in high priority areas

Targets areas where canopy growth is most appropriate

CONS

Conflicts with competing priorities in the zoning/development processes

Requires amendments to zoning, which is likely to be a complex process

Applies only to new development and construction projects, having impact only over the long term

Design strategy 2C

DESIGN STRATEGY 2B

Plant bare root trees in expanded and enhanced tree ways where possible

IMPACT AREAS







CAMBRIDGE URBAN FOREST MASTER PLAN

GROW CANOP

SUMMARY

Street trees establish more quickly and survive longer, especially in the face of drought conditions, when they have larger soil volumes. In cases where the back of sidewalk condition is pervious, it is beneficial for the long term health of the tree to connect the tree pit soil to the back of the sidewalk, providing a larger continuous soil volume for the roots to access.

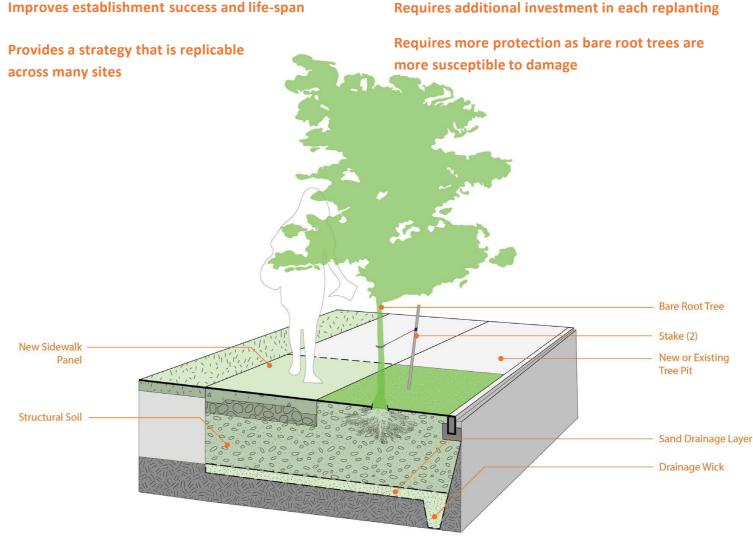
ANALYSIS

CONS

Unless infeasible, the City should improve planting pits before installing new trees. New or amended soils should be placed in the open tree pit, with structural soils under sidewalks for root growth into adjacent areas. Bare root trees are field grown and shippped without soil around the roots. Bare root trees are recommended over balled and burlapped trees due to the ability to plant a larger number of bare root trees and bare root trees being quicker to establish.

PROS

Improves establishment success and life-span



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Design strategy 2C

DESIGN STRATEGY 2C

Narrow sidewalks: reduce roadway to increase planting

IMPACT AREAS







RESIDENTIAL STREETS

EXISTING:

Narrow residential streets with no setback

PROPOSED:

Remove street pavement by shifting two-way traffic to one-way; push the curb out to get a wider planting zone

PROS

New space and soil volume for tree planting

More livable street

Healthier trees due to greater soil volume

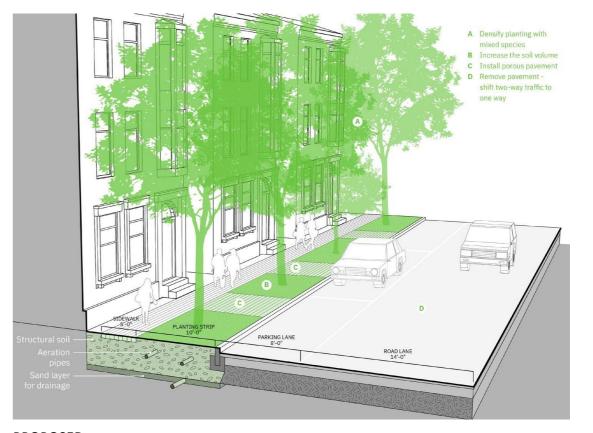
CONS

Reduced connectivity for vehicle traffic (one way)

The cost of redesigning the street

Utility conflicts





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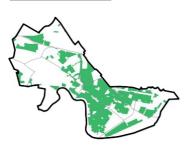
EXISTING PROPOSED

Design strategy 2C

DESIGN STRATEGY 2C

Average sidewalks: create planting area in parking spots

IMPACT AREAS







STEM LOSS

GROW CANOPY

RESIDENTIAL STREETS

EXISTING:

Narrow residential streets with front yards

PROPOSED:

Turn some parking spaces into green spaces to plant

PROS

Creates more space for trees

Reduces impervious area

CONS

Reduces parking space

The cost of redesigning the street

Utility conflicts

PRECEDENTS

Western Avenue, Cambridge San

Francisco





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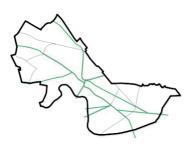
EXISTING PROPOSED

Design strategy 2C

DESIGN STRATEGY 2C

Wide sidewalks: integrate bike lanes and tree plantings

IMPACT AREAS







COMMERCIAL STREETS

EXISTING: Major commercial streets with a wide sidewalk, parking and bike lane

PROPOSED: Relocate the curb, move the bike lane off the street and increase the soil volume

PROS

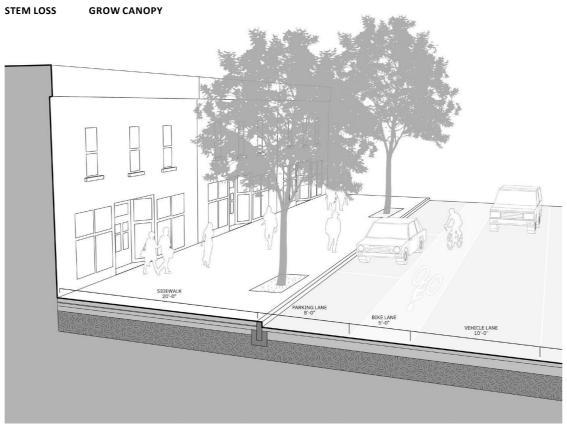
Incentivizes biking by providing a safer bike lane

Expands continuous soil volume

CONS

Requires complex utility coordination

The cost of redesigning the street





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EXISTING PROPOSED

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Practice strategy 2B

PRACTICE STRATEGY 2B

Implement structural pruning for young trees

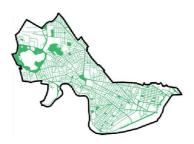
SUMMARY

The City does not currently conduct structural pruning for young trees and this represents a significant opportunity to improve the long term health of street and park trees.

ANALYSIS

Structural pruning is a type of pruning typically performed on young to middle-aged shade and ornamental trees. The objective is to create a strong and healthy structure so that trees are sturdier under wind, snow and ice loads, and less prone to failures, and so they can live full and useful lives in the landscape. The sooner in the life of the tree that structural pruning is started, the easier and less expensive it is. Waiting until the tree is mature often means larger more disfiguring pruning cuts, cabling and much greater expense.

IMPACT AREAS







STEM LOSS GROW CANOPY

PROS
Avoided long term costs

CONS

New operational costs

Practice strategy 2A

PRACTICE STRATEGY 2A

Establish a soils management program

SUMMARY

Currently the City mulches some of its trees on a regular basis, which is a good way to support organic matter renewal and good soil function. The City has also begun to monitor the impact of salts on street tree soil.

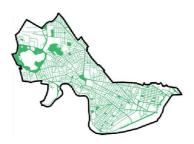
Implementing a program to improve soils health represents an important opportunity to reduce tree mortality and increase canopy growth.

ANALYSIS

Injecting liquid biological amendments (compost tea) is an effective method of improving and maintaining soil health. The City is currently in the process of establishing an

in-house liquid biological amendment program to treat all newly planted trees. Long term, the City could develop the capacity to treat all street trees once a year on a two year cycle.

IMPACT AREAS





STEM LOSS



GROW CANOPY

PROS
Increased survival rates

CONS

Cost, primarily for staff time

Practice strategy 2C

PRACTICE STRATEGY 2C

Expand watering program

IMPACT AREAS







STEM LOSS

GROW CANOPY

SUMMARY

Water availability is the primary determinate of tree health. Providing sufficient water during establishment, when roots are expanding to find additional sources of water is critical to their long term success.

The current tree contract requires the contractor to water newly planted trees for three years, and the City currently utilizes the Tree Ambassador program to water trees for two summers following this initial three year period.

PROS

Increased survival rates

ANALYSIS

Given the increased planting targets, the City will need to increase its watering program to cover an increased number of new trees. In addition, the City should consider emergency watering during drought.

CONS

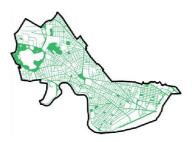
Increased labor hours

Practice strategy 3

PRACTICE STRATEGY 3

Establish a gravel bed nursery

IMPACT AREAS







STEM LOSS GROW CANOPY

SUMMARY

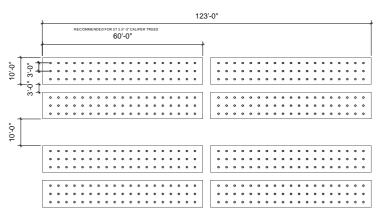
With municipal tree planting, especially at large scale, there is an inevitable holding period between digging and acquiring the trees and planting them. Balled and burlapped trees

are less likely to survive if they have extended periods out of the ground, so their planting season is constrained to a few weeks in spring and a few in the fall. If cared for properly, bare root trees enjoy the benefit of an extended planting season. Root dessication is the most critical disadvantage to planting bare root trees, however, proper care in a gravel bed nursery mitigates the risk.

ANALYSIS

A gravel bed is an irrigated bed of gravel to place and safely hold bare root or washed containerized stock (aka "heeling in") for up to 3-6 months. Doing this dramatically increases fibrous root volume, decreasing transplant shock and increasing survivability of the plant. Since bare root stock is typically only available during spring, this also allows for staged plantings throughout the year.

8,200 sf of space is required to store 456 bare root trees



PROS

Increases root mass at planting

Increases survival rates

Extends planting season

CONS

Initial capital outlay to build beds

PRECEDENTS

PHS, Philadelphia

Various municipalities in Minnesota

Outreach and education strategy 4B

OUTREACH AND EDUCATION STRATEGY 4B

Support community tree planting efforts

SUMMARY

Supporting community tree planting efforts may lead citizens to work together and create more energy and momentum behind planting trees. This may result in groups advocating and planting trees within neighborhoods that are underserved today.

PRECEDENT

Keep Indianapolis Beautiful is a nonprofit organization. They offer a community forestry program which residents can apply for tree planting if they find at least 20 spots for trees in their neighborhood.

Applicants need to form a small group and need to agree with their neighbors and local business owners to commit to tree preservation.

IMPACT AREAS







GROW CA

PRECEDENTSKeep Indianapolis Beautiful



Outreach and education strategy 1C

OUTREACH AND EDUCATION STRATEGY 1C

Educate local businesses about the dangers of pest outbreaks

IMPACT AREAS







GROW CANOPY

SUMMARY

Businesses can help protect the forest by ensuring all wood products are pest free by using ISPM 15 regulated wood packaging material in international trade.

ANALYSIS

In 2008, the Asian Longhorn Beetle was found in Worcester, MA, presumably brought in through wood pallets. The city lost 35,000 trees either killed by the beetle or felled by foresters working to contain the infestation.

The ISPM 15 standard describes phytosanitary measures that reduce the risk of introduction and spread of quarantine pests associated with the movement in international trade of wood packaging material made from raw wood.





Outreach and education strategy 1B

OUTREACH AND EDUCATION STRATEGY 1B

Organize tree tours for citizens to engage with trees

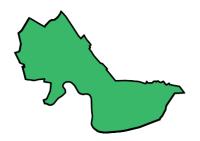
SUMMARY

Organizing tree tours could foster good working relationships between the community and DPW. This is something that the City has implemented in the past but currently is not in practice.

ANALYSIS

There are examples of guided walking and biking tree tours in neighborhoods and parks in various cities. For example, the City of Chesapeake, Virginia, organizes guided tours once every season, or four times a year. There are also self-guided tours that allow citizens to access a tree map by using smart phones in some cities such as Seattle (Tree Walk app), Nevada City, Sacramento, and Atlanta.

IMPACT AREAS







PRECEDENTS

Friends of the Urban Forest, San Francisco Tree Walk app, Seattle





Seattle	
~ 166,000 trees	
Install on Android	
Install on iPhone or iPad	
View in a web page	

Free data provided by City of Seattle, UW Botanical Gardens



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Outreach and education strategy 2B

OUTREACH AND EDUCATION STRATEGY 2B

Publish annual reports to document progress

IMPACT AREAS







CPOW C

SUMMARY

A yearly report card that evaluates the efforts to expand the urban forest can remind citizens of the state of the forest, communicate the goals of this report, and hold communities accountable for reaching their goals.

ANALYSIS

As an example, Casey Trees' tree report card rates
Washington DC's urban forest based on four metrics:
Tree coverage, tree health, tree planting and tree
protection. It also compares previous years' grades.
As with the Cambridge Water Department's
Drinking Water Quality Report, the Urban Forest
report card could be mailed to all residents.

PRECEDENTS

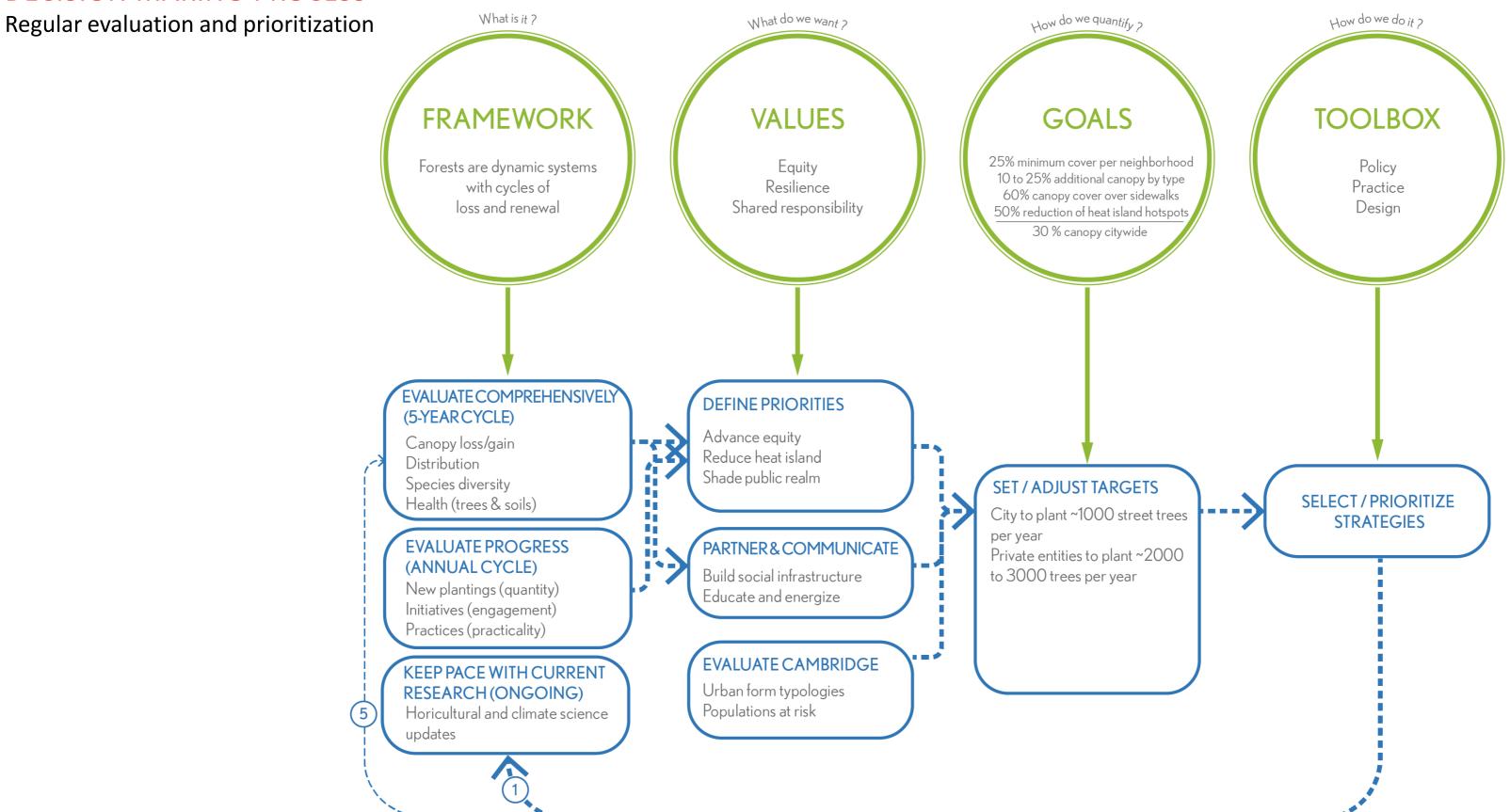
Tree Report Card, Washington, D.C.
Cambridge MA Annual Drinking Water Quality Report







DECISION MAKING PROCESS



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Next steps

The current moratorium sunsets in March.

The following concepts are not specific proposals but represent alternative strategies to be considered.

Each strategy has different impacts and potential consequences.

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Underlying Values

Trees are a shared resource

Trees provide benefits to the city

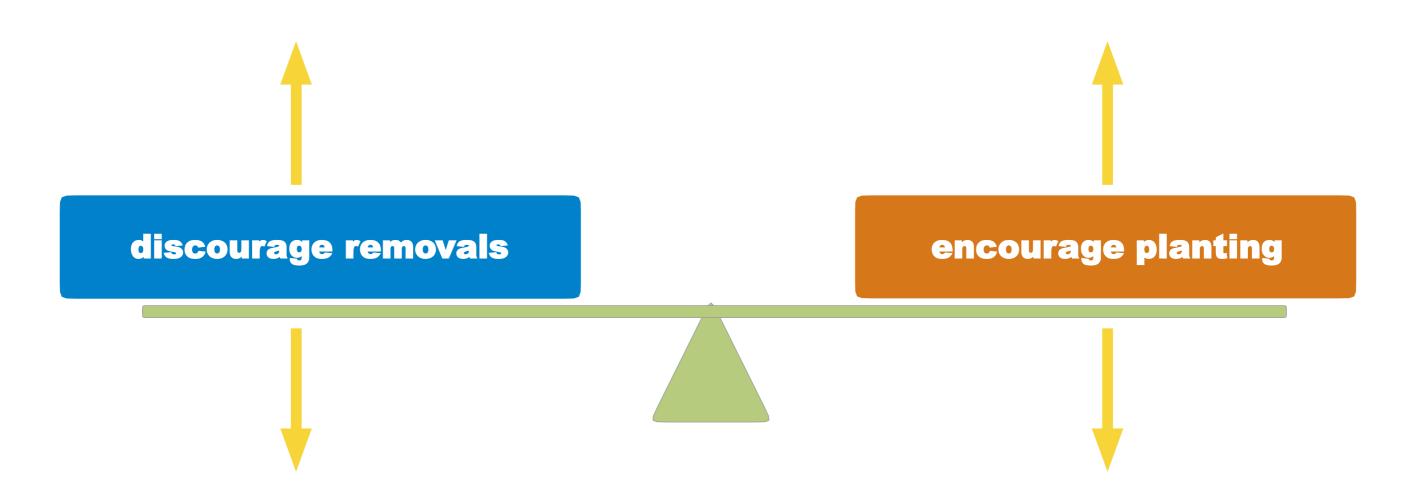
Not all trees are equal

Replanting in kind is preferred, but not all sites and project types are the same

The process should be simple and objective

The process should be equitable

Competing interests



Proposed principles

Everyone should be subject to the ordinance

All property types are under the jurisdiction of the ordinance

Protect more trees

All trees over 6" dbh are covered by the ordinance (currently 8")

Protect the largest trees

Increase mitigation for larger trees

Ensure equitable application of the ordinance

Exempt those on federal assistance from any fees

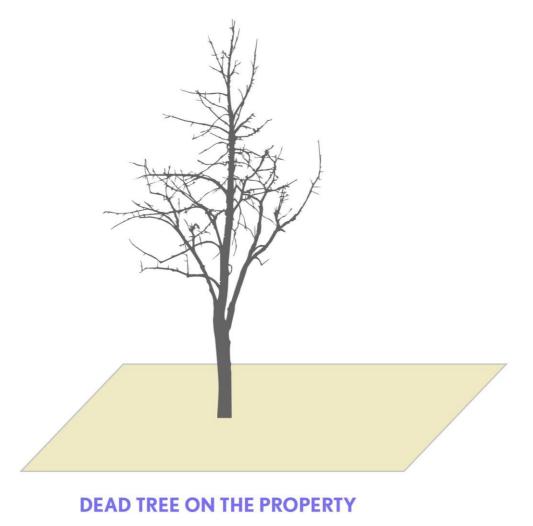
Encourage replanting on private property

Expand the uses of mitigation funds (create a Tree Trust that can plant on private property)

IN ALL CASES DRAFT FOR DISCUSSION ONLY

Always allow removal of dead or hazardous trees

- 1. Get Arborist evaluation
- 2. File permit
- Receive approval / No mitigation required
- 4. Receive free replacement if desired

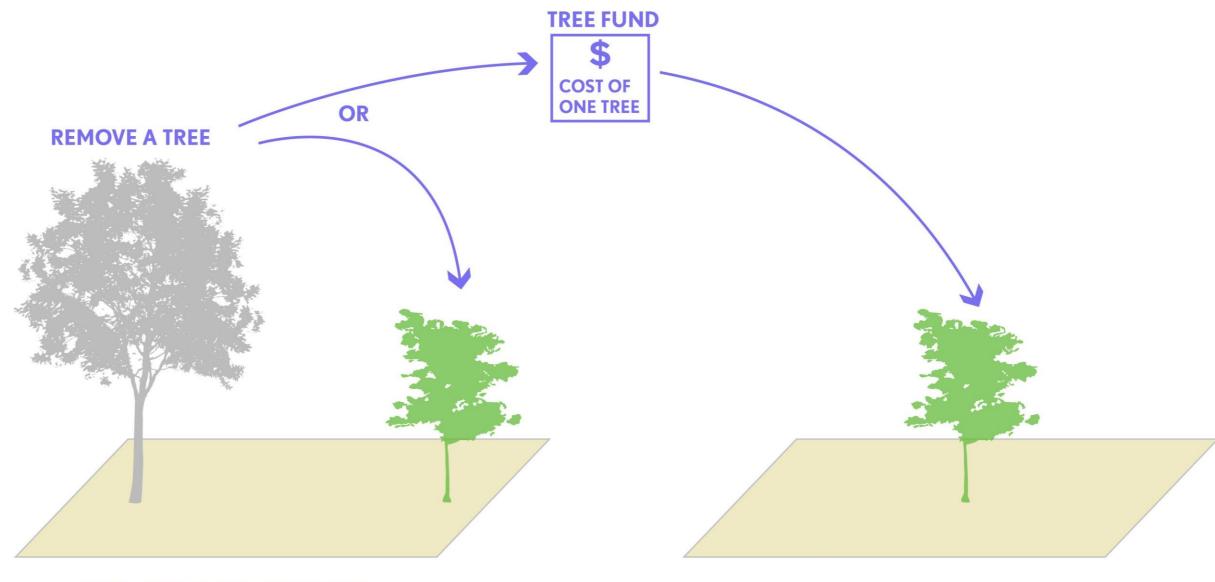


Replace trees One for One

- 1. File permit
- Replant on site *or* Pay to support replanting elsewhere
- 3. Receive free replacement if on assistance

Notes:

- arborist evaluation is not required
- all trees are treated equally,
 no special protections for large trees



REPLACE ON THE PROPERTY

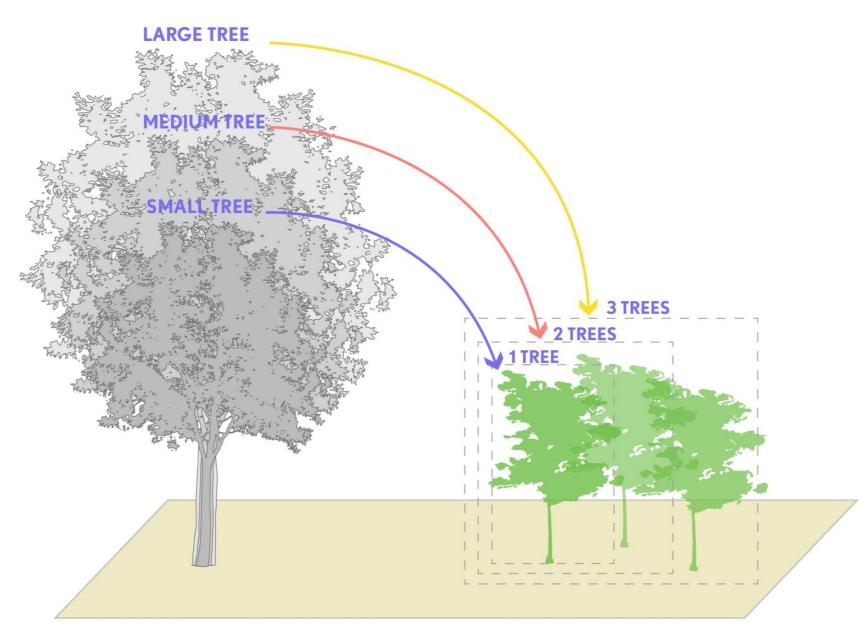
Replace trees based on size

- 1. File permit
- 2. Replant on site
- 3. Receive free replacement if on assistance

Notes:

- arborist evaluation is not required
- larger trees require increased mitigation
- health and location are not considered

REMOVE A TREE



REPLACE ON THE PROPERTY

Replace trees based on size

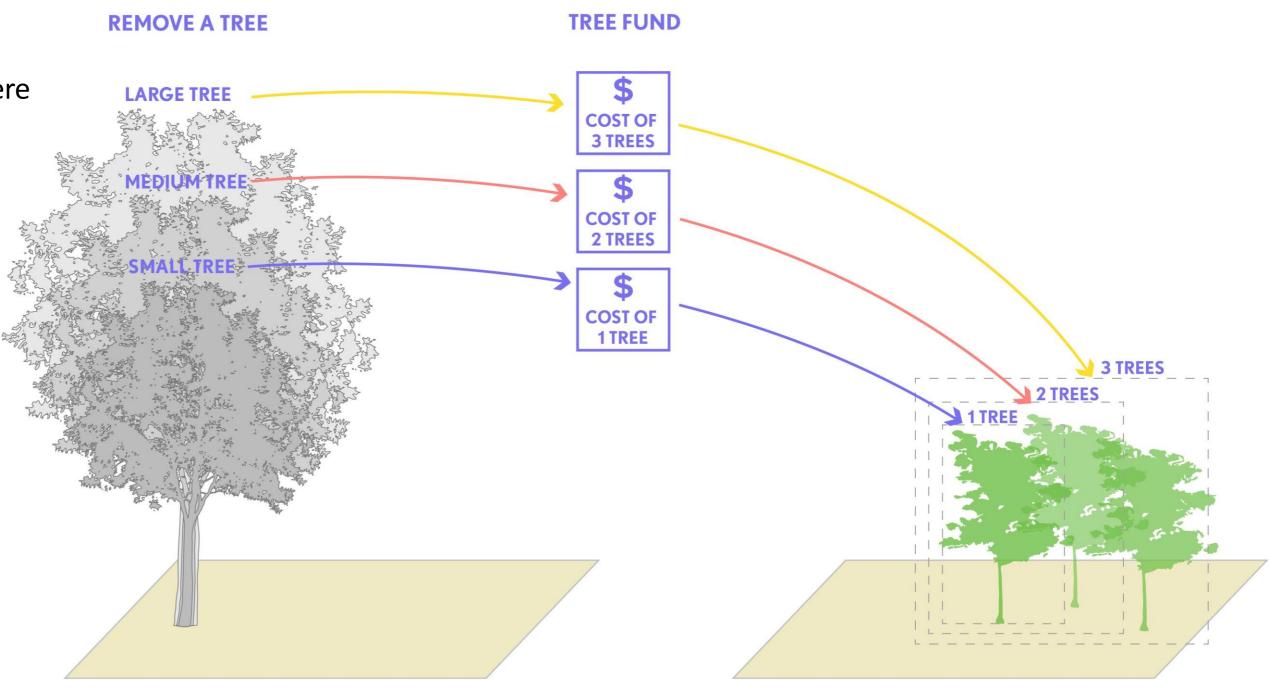
1. File permit

2. Pay to support replanting elsewhere

3. Receive free replacement if on assistance

Notes:

- arborist evaluation is not required
- larger trees require increased mitigation
- health and location are not considered

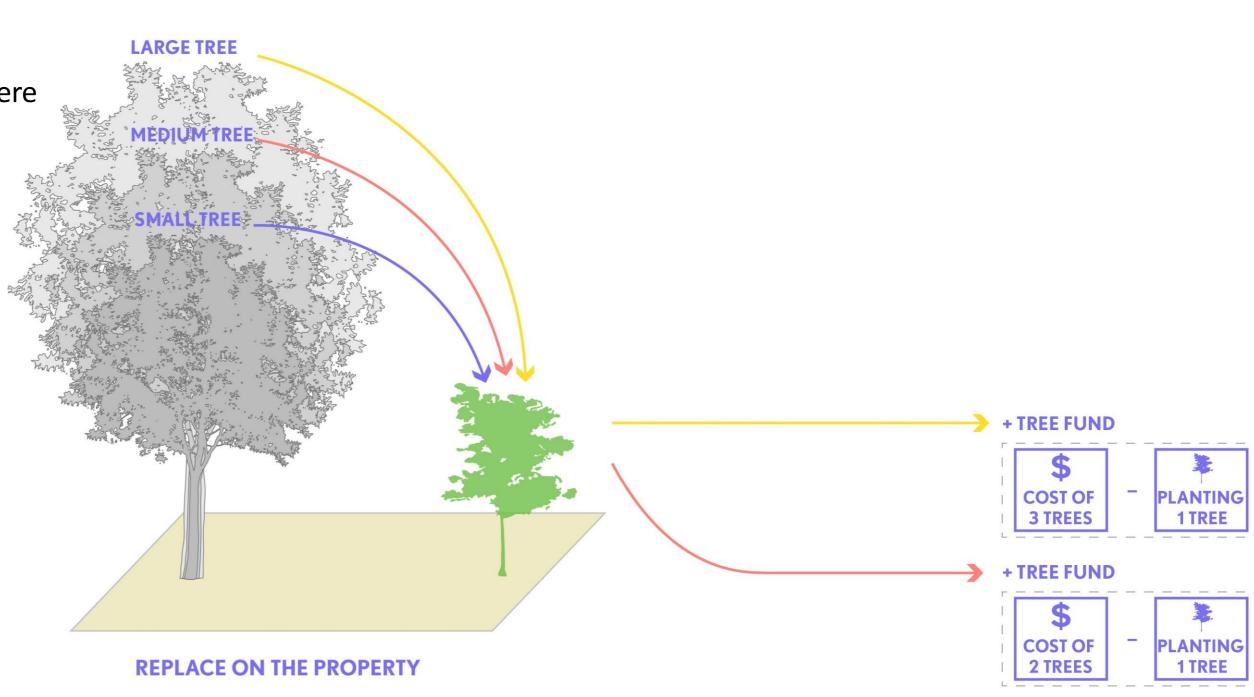


Replace trees based on size

- File permit
- Replant on site and Pay to support replanting elsewhere
- 3. Receive free replacement if on assistance

Notes:

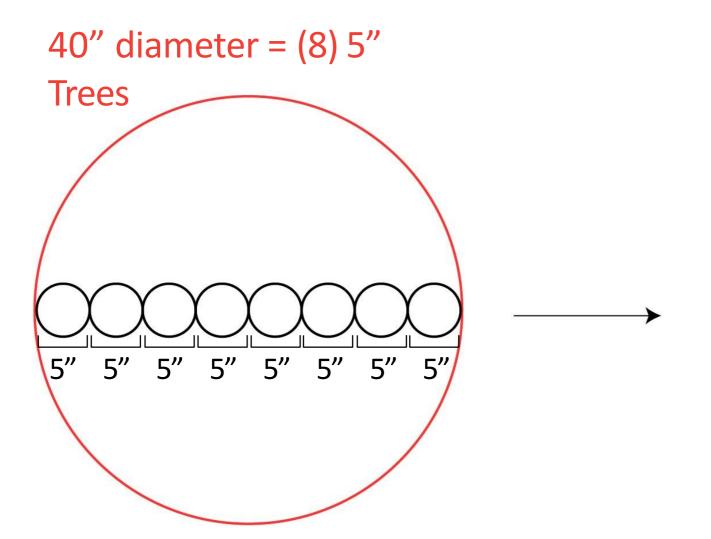
- arborist evaluation is not required
- larger trees require increased mitigation
- health and location are not considered



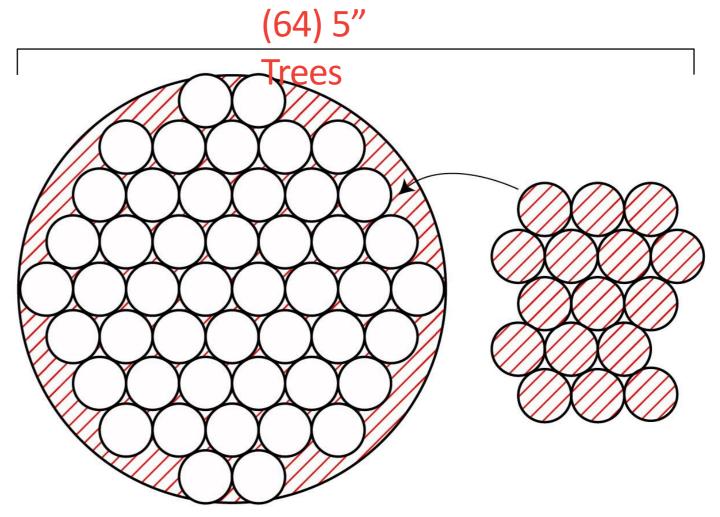
REMOVE A TREE

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Value trees based on trunk area formula



Replacing trees by "caliper inch"



Replacing trees by "trunk area"

Value trees based on trunk area formula



- 1. Get arborist assessment
- 2. File permit
- 3. Pay to support replanting elsewhere

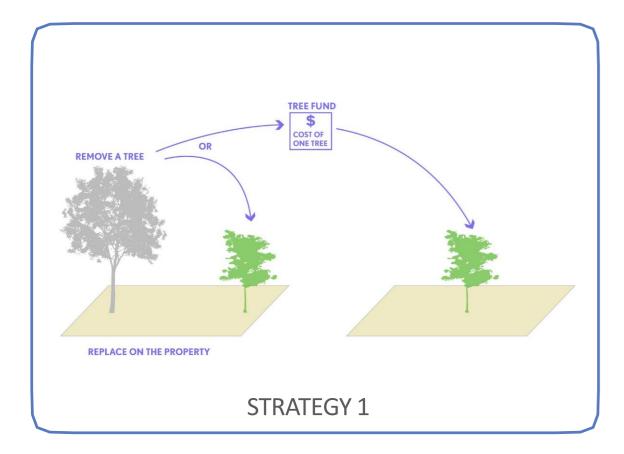
Notes:

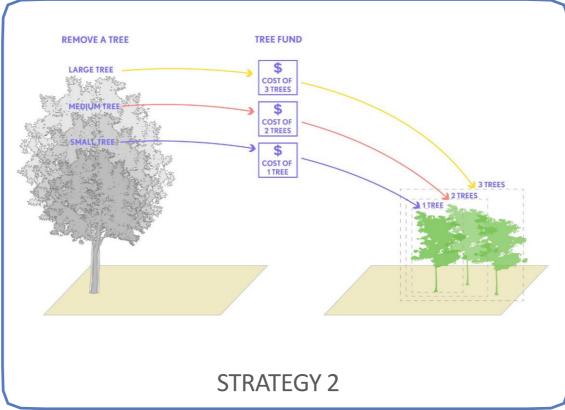
- arborist evaluation is required
- mitigation increases with size
- species, health, location are modifying factors

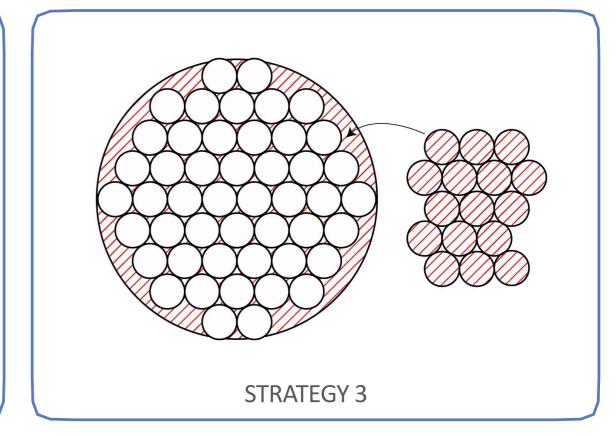
- homeowner exemption could be significant
- those on federal assistance could be exempt from any fees
- could only apply to Special Permit projects

TREE PROTECTION ORDINANCE

Summary of Strategies







SIMPLE	PROCESS	COMPLEX
REPLACEMENT COST	METRIC	INHERENT VALUE
ENCOURAGE PLANTING	IMPACT	DISCOURAGE REMOVAL

SUMMARY OF TECHNICAL REPORT

NEXT STEPS

Q & A

The consultants will take the Task Force and public comments under advisement and develop a Master Plan document that prioritizes action strategies from the Technical Report for immediate and longer term implementation.

All comments are due by January 17, 2020

SUMMARY OF TECHNICAL REPORT

NEXT STEPS

Q & A

www.cambridgema.gov/ufmp