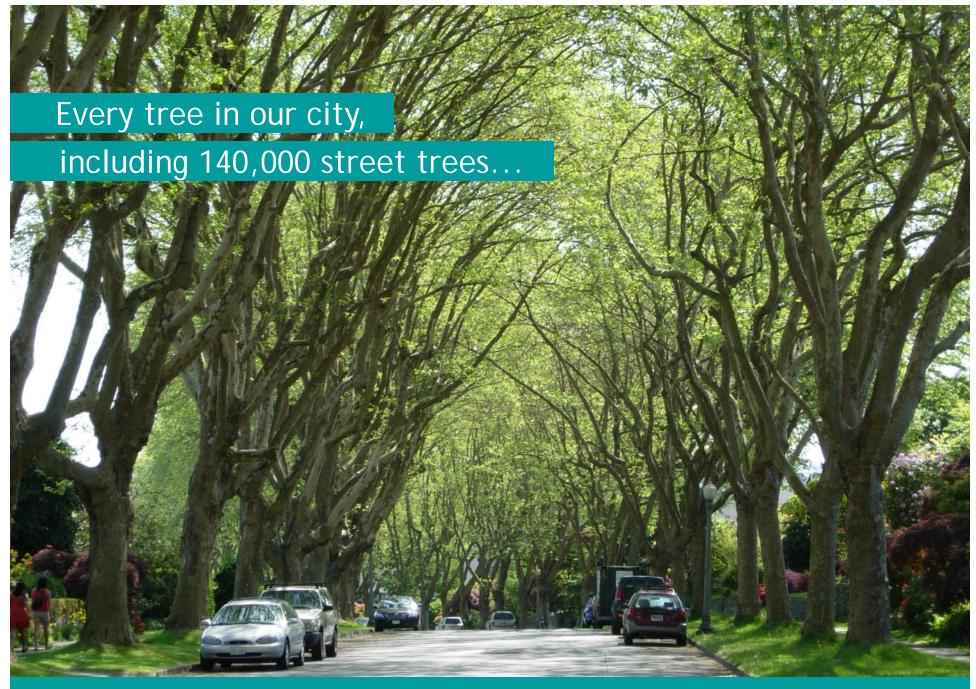
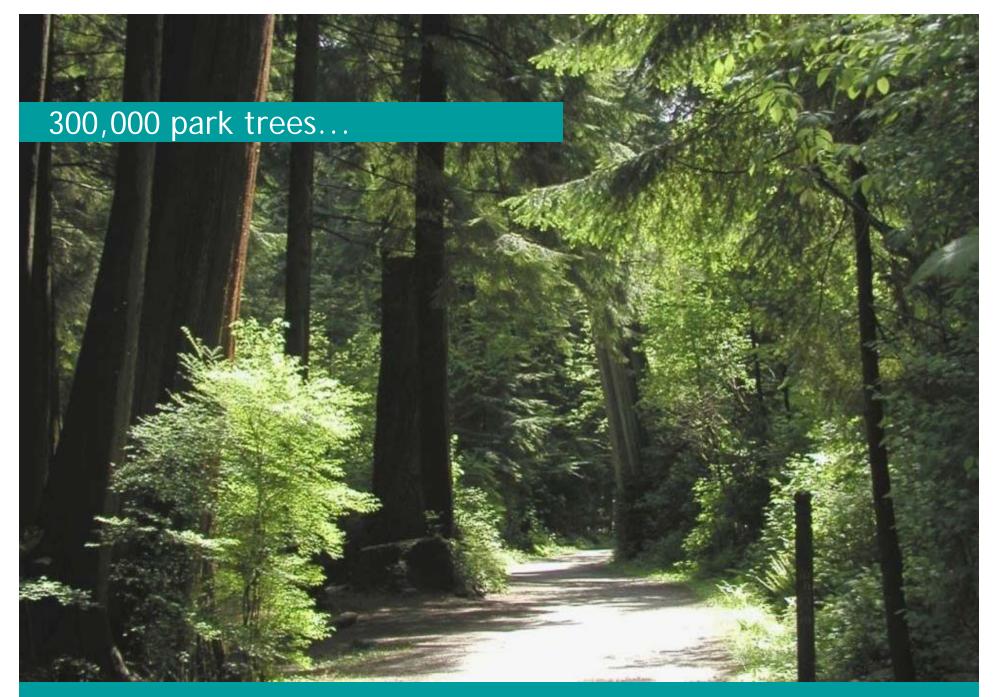


OUR URBAN FOREST TODAY

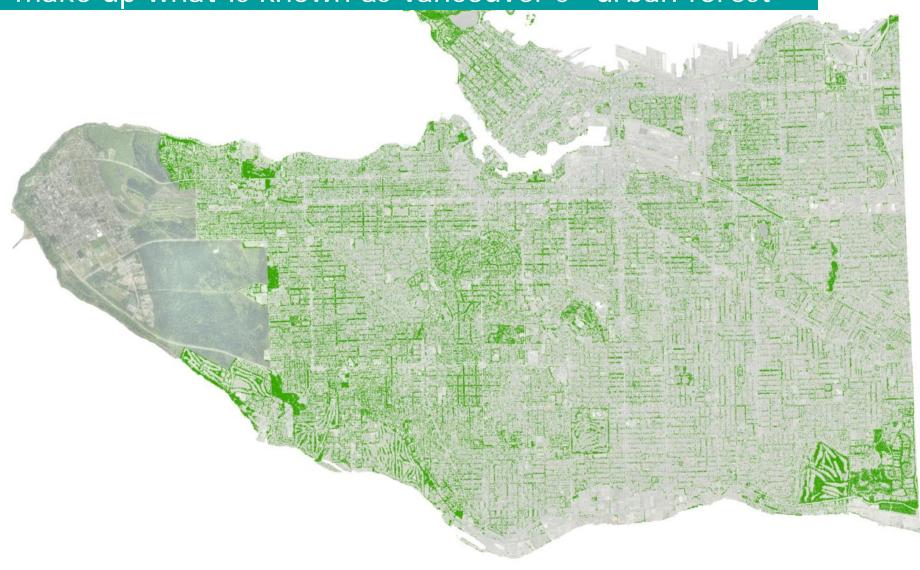












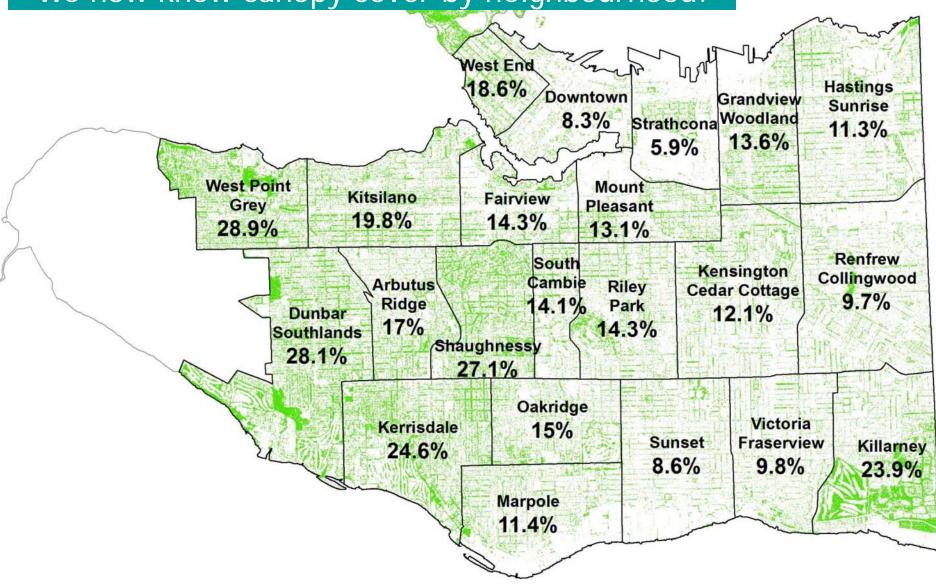


This allowed us to calculate "canopy cover", the North American standard for assessing urban forest performance.

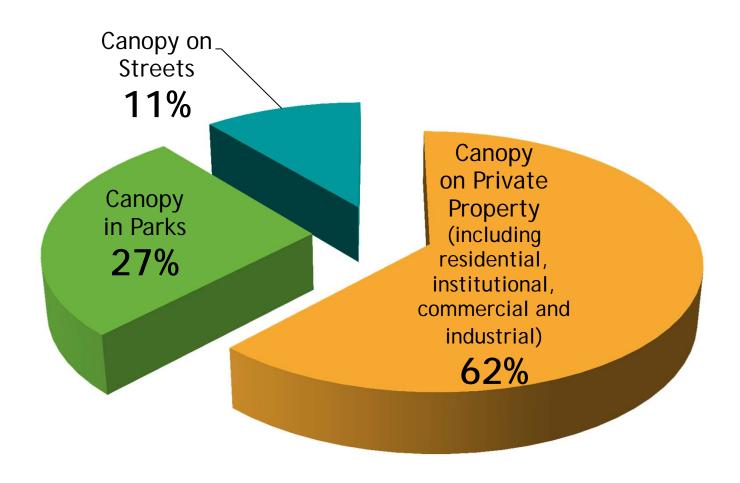


Canopy cover is how much ground area is covered by tree leaf canopies as seen from the air.

We now know canopy cover by neighbourhood.



We also found that most of our canopy is on private property.



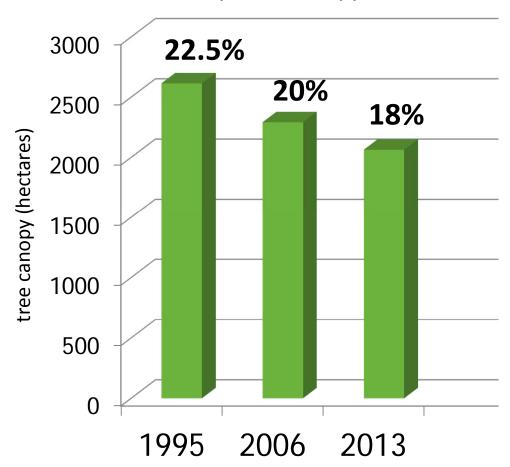


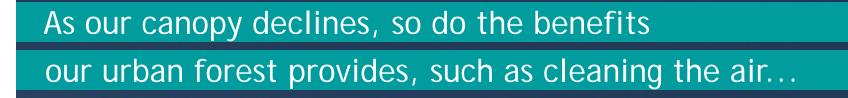
Compared to other cities, we seem to be doing ok...



However, our canopy cover has been declining over the past two decades. Why is this of concern?







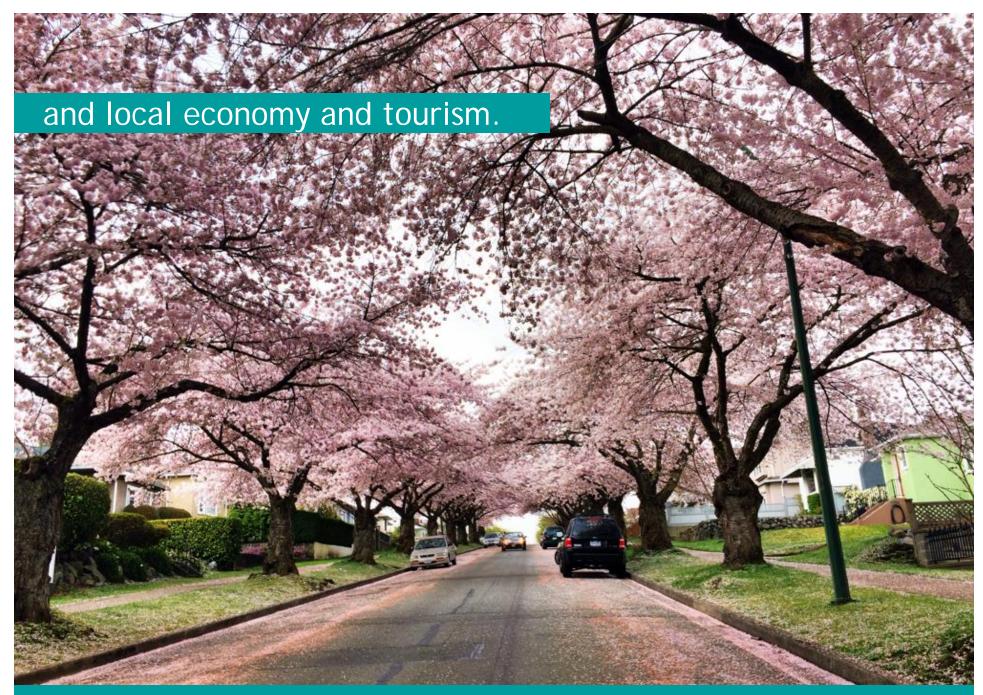




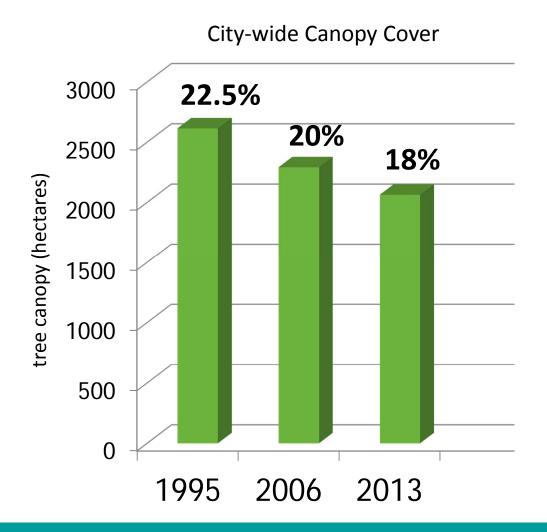








Why is our canopy cover declining?

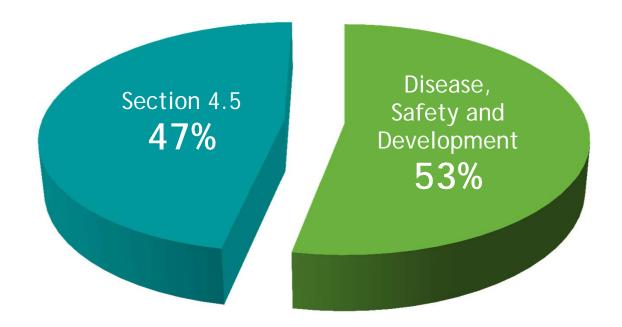




Just over half of these removals were due to development.

The rest were removed under Section 4.5* of the

Protection of Trees Bylaw.



*Section 4.5 allows property owners to remove one tree per year, regardless of tree health, size or species.

In 2013, 1,805 trees were removed under Section 4.5



That's about five healthy, mature trees removed every day.

Conflicts and competing interests















WHAT CAN WE DO?



PROTECT



PLANT



MANAGE





PROTECT

GOAL

Stop the decline of our canopy cover

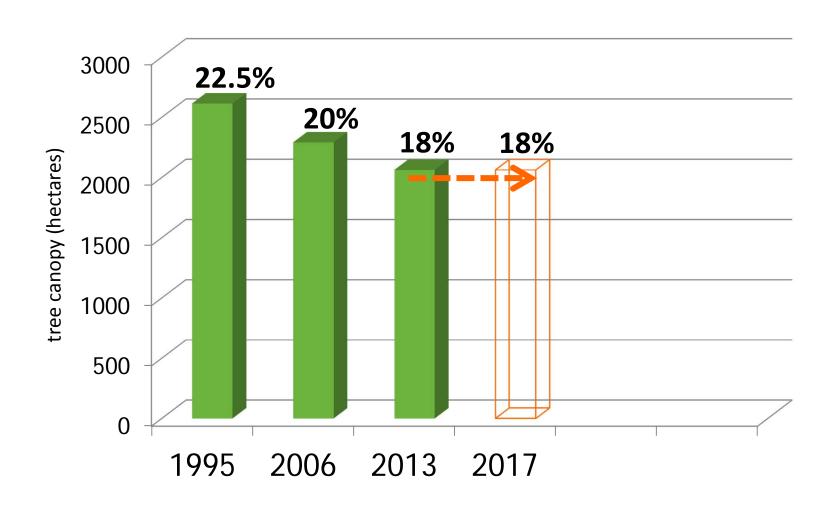
PRINCIPLE

Protect healthy, mature canopy

ACTION ITEM

- Amend Section 4 of the Protection of Trees By-law
- 2. Retain more trees on development sites
- Create a comprehensive retention framework

Stop the decline of our canopy cover



Protect healthy, mature canopy

What takes years to develop can be cut down in less than a day



Amend Section 4 of the Protection of Trees By-law

CURRENT SECTION 4.5: property owners are able to remove one tree per year regardless of tree health, size or species.

PROPOSED AMENDMENT: trees can be removed only if they meet the criteria in Section 4.4 of the existing By-law:

- Hazardous
- Dead, diseased or dying
- Within a building envelope
- Close to or interfering with drainage systems, sewer systems or utility wires
- Causing damage to property including roofs and sidewalks.

ACTION ITEM 2

Retain more trees on development sites

The City will work with applicants to proactively retain as many healthy, mature trees as possible on development sites.



Comprehensive retention framework

Create a comprehensive framework to encourage retention of trees and discourage removals, such as a system of payments for canopy loss that cannot be replaced on a site.



PLANT

GOALS

Grow our urban forest canopy

Plant 150,000 trees by 2020

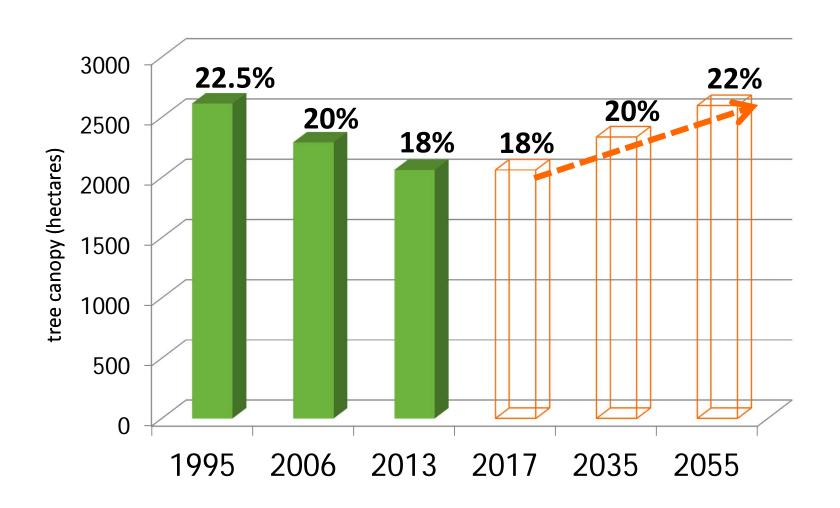
PRINCIPLE

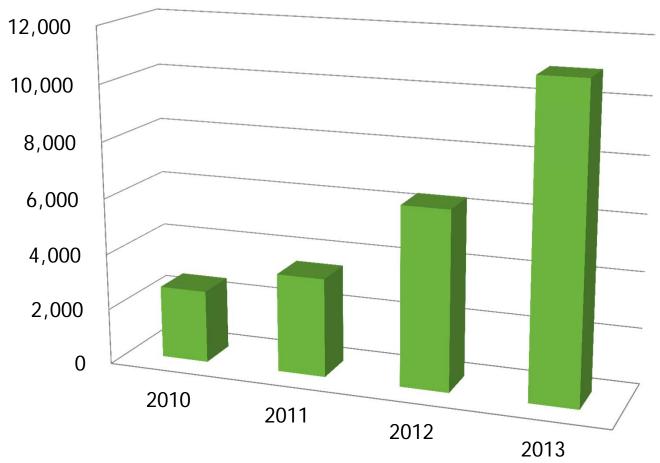
- Ensure a balanced approach
- Plant strategically across the city
- Plant the right tree in the right place
- Ensure resiliency to disease and climate change

ACTION ITEM

- 4. Expand Park Planting Programs
- 5. Expand Private Property Planting Programs

Grow our urban forest canopy





Trees Planted since 2010 in Parks, Streets and through Private Property Planting Programs

PRINCIPLE

Ensure a balanced approach

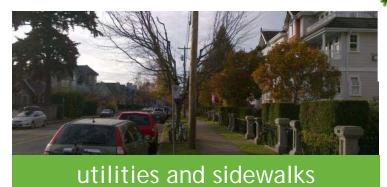






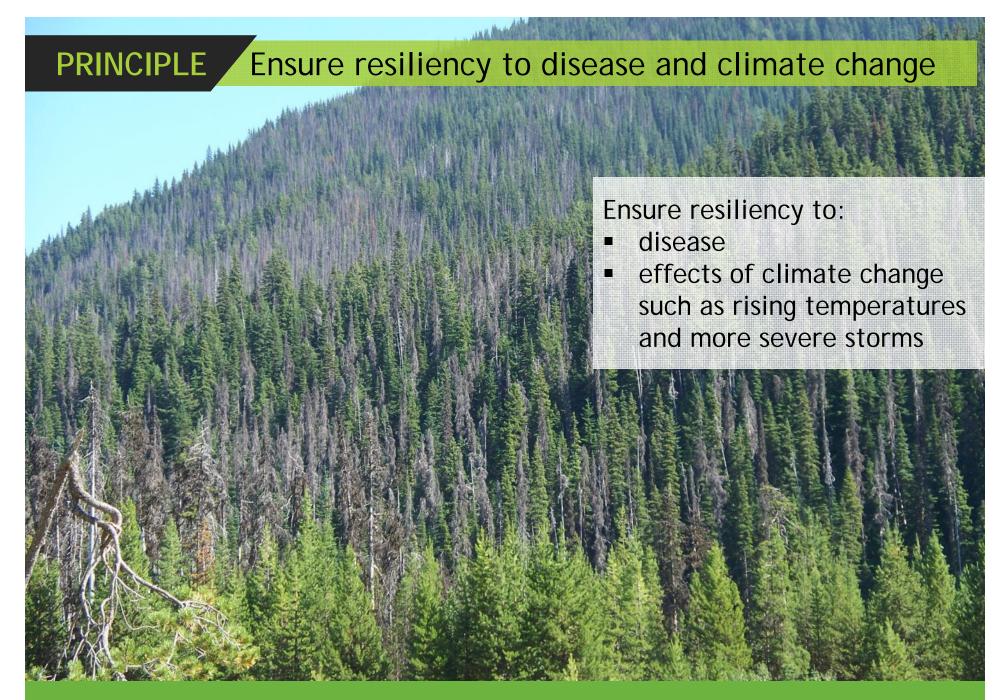








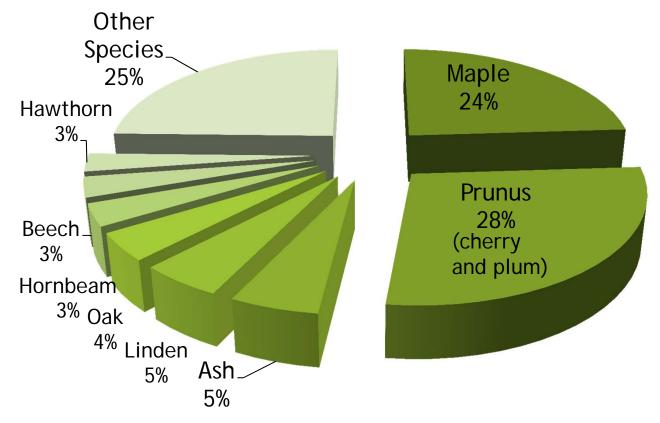




Ensure resiliency to disease and climate change

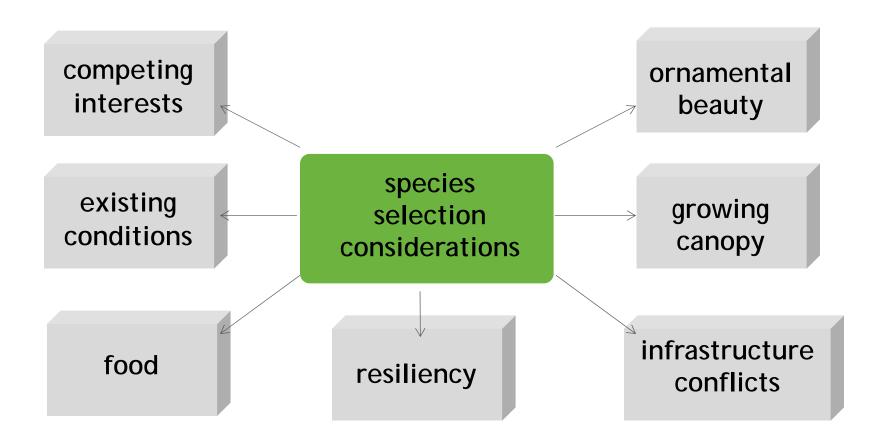
Ensure resiliency through:

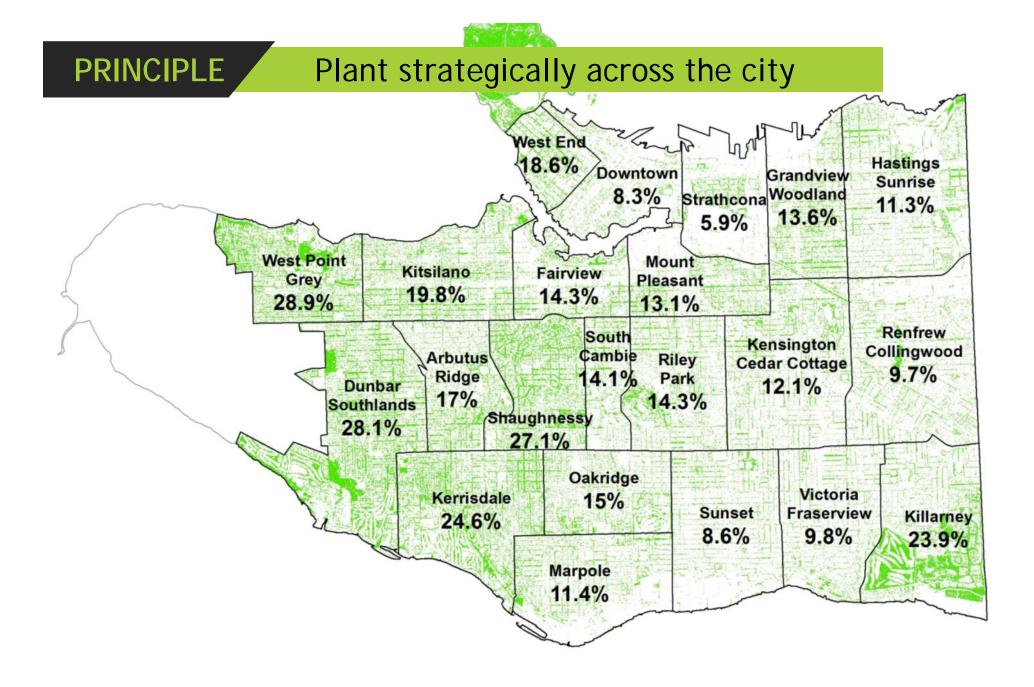
- appropriate species selection
- species diversity



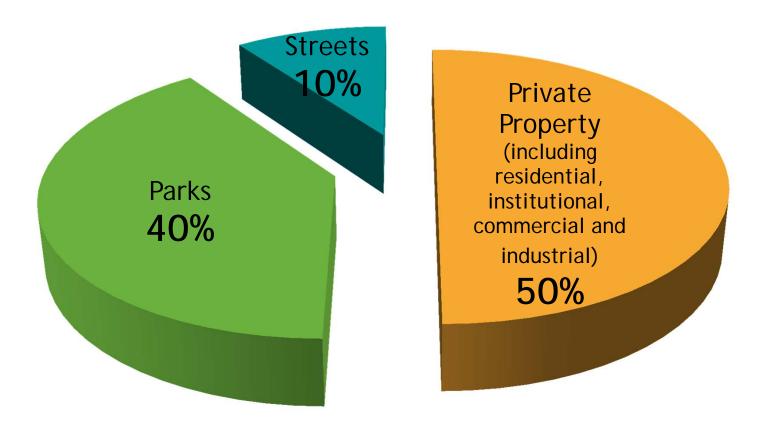
Vancouver's current street tree species

Factors in deciding WHAT to plant.





We need to find ways to plant more trees in parks and private property.



Estimated Planting Capacity







MANAGE

GOAL

Manage our urban forest as a vital living asset

PRINCIPLE

- Manage the whole lifecycle of the urban forest
- Consider conditions for trees to thrive

ACTION ITEM

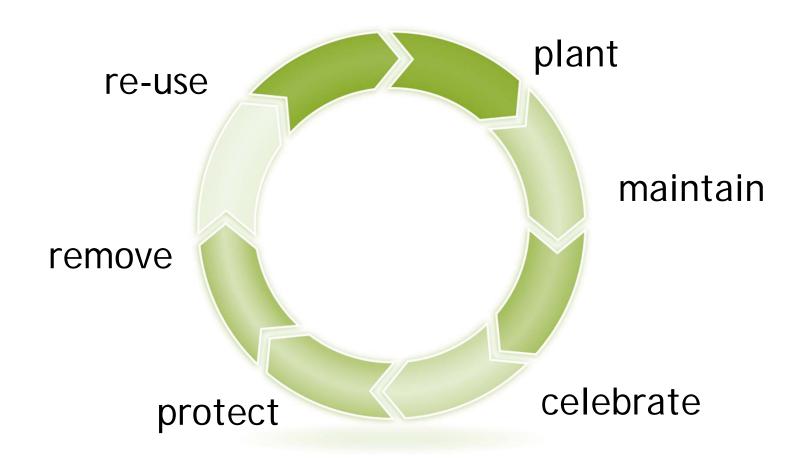
- 6. Update our Street Tree Management Plan
- 7. Create Street and Park Succession Plans

Manage our urban forest as a vital living asset

- View our urban forest as green infrastructure that provides immense benefits.
- Manage for long term tree health to ensure our urban forest continues to provide benefits.



Manage the whole lifecycle of the urban forest





ACTION ITEM 6

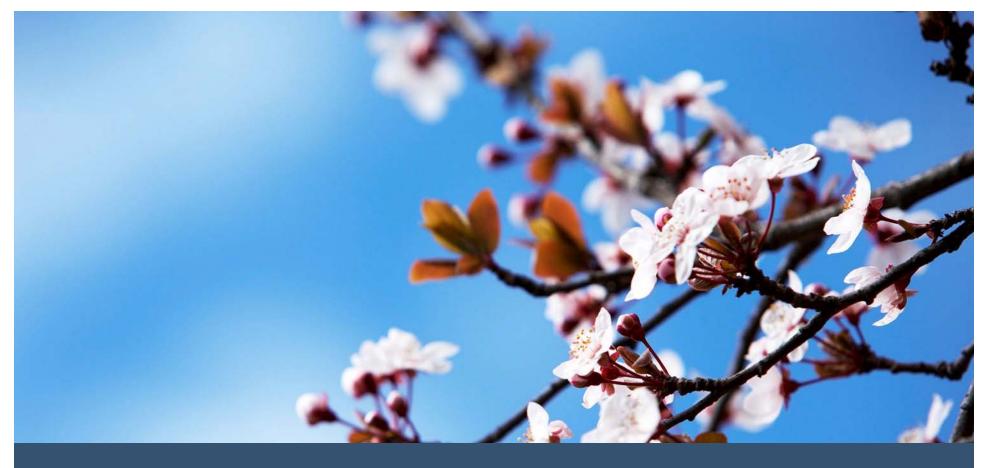
Update our Street Tree Management Plan

- COORDINATION with Integrated Stormwater Management Plan, Utility Plans and Transportation Plan 2040.
- HOLISTIC PLANTING STANDARDS including soil volume.
- WOOD RE-USE for alternative fuel sources and artisans.





- Succession plans to help grow canopy and ensure resiliency
- Updated Inventory and Tracking System



NEXT STEPS



- Approve immediate By-law amendment to reduce significant canopy loss.
- Hold a city-wide conversation on how we can all help to achieve Strategy goals.
- Return to Council with specific plans:
 - Comprehensive retention framework
 - Updated Street Tree Management Plan
 - Street and Park Succession Plans





ACTION ITEMS:

- 1. Amend Section 4 of the Protection of Trees By-law
- 2. Retain more trees on development sites
- 3. Create a comprehensive retention framework
- Expand Park Planting Programs
- 5. Expand Private Property Planting Programs
- 6. Update our Street Tree Management Plan
- 7. Create Street and Park Succession Plans