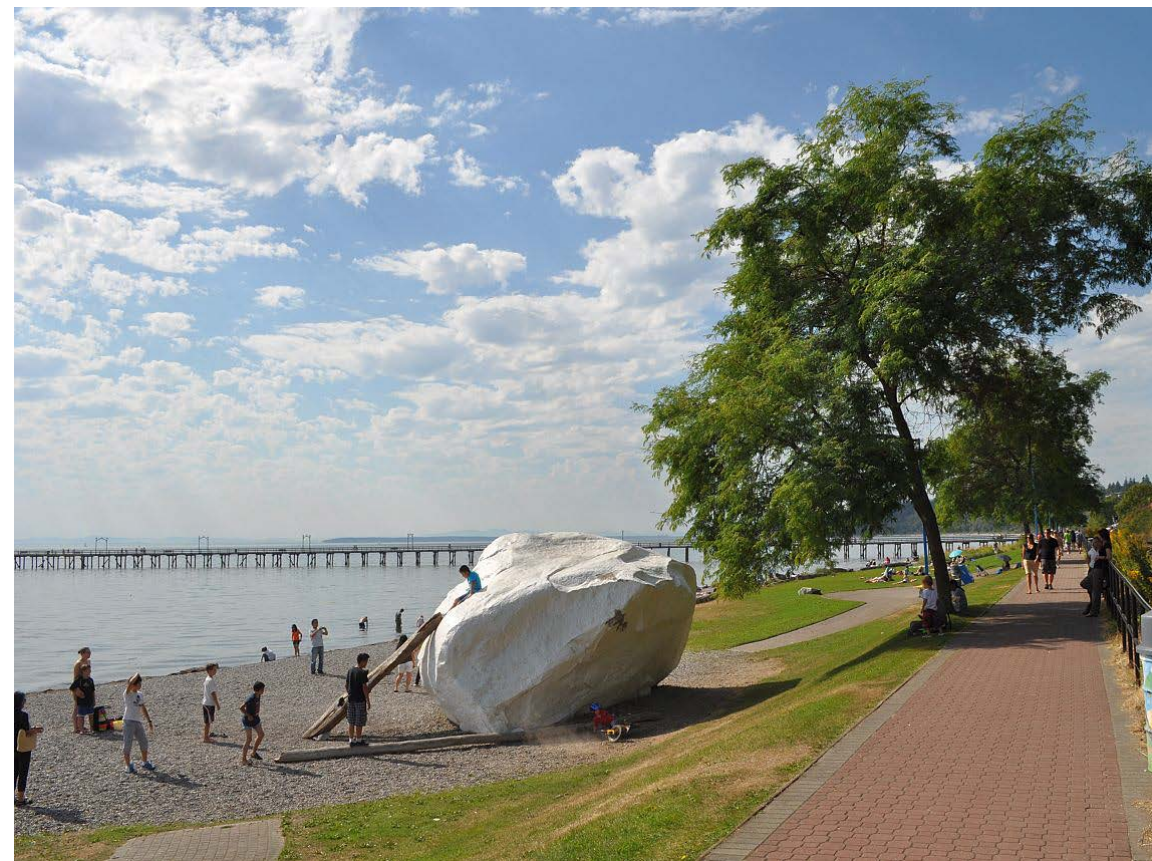


City of White Rock
**Urban Forest
Management Plan
Workshop**
June 24, 2015



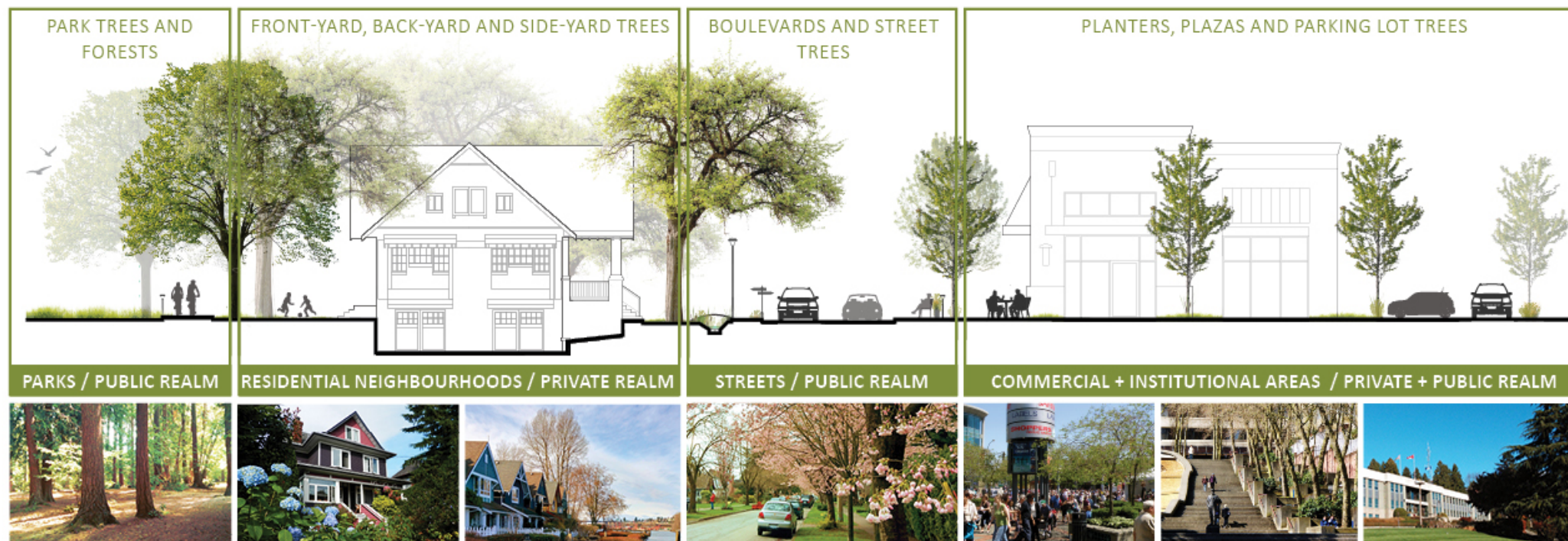
DEVELOPING THE URBAN FOREST MANAGEMENT PLAN

Welcome

1. *OVERVIEW*
2. *CURRENT STATE OF THE URBAN FOREST*
3. *CHALLENGES AND OPPORTUNITIES*
4. *PROPOSED GOALS AND OBJECTIVES*
5. *WORKSHOP OVERVIEW*

OVERVIEW

What is an urban forest?



OVERVIEW

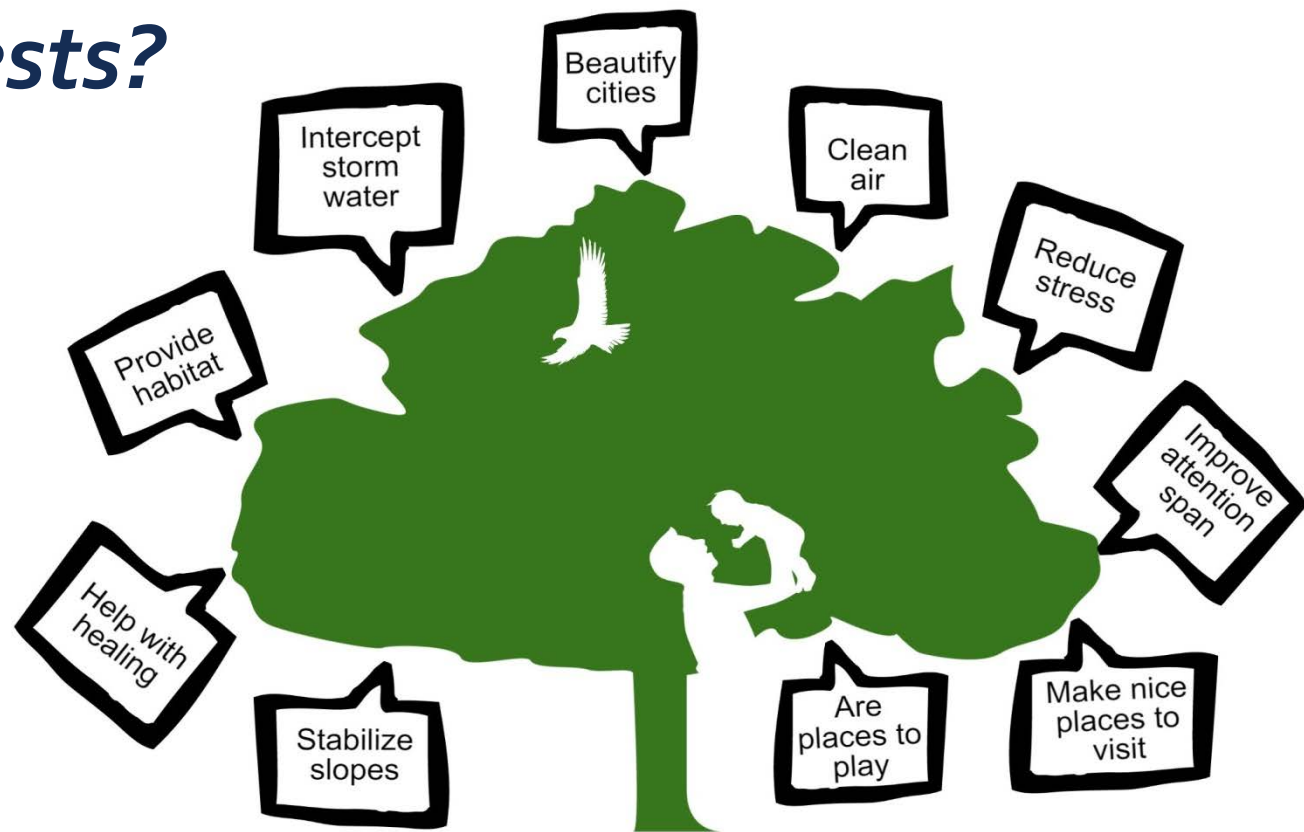
Why do we need urban forests?

More than half of the world's population now lives in urban areas

1 in 8 global deaths annually are caused by air pollution exposure (WHO)

Urban forests provide good quality 'human habitat' and essential ecosystem services for people who live in cities

More Information?
[Green Cities: Good Health website](#)



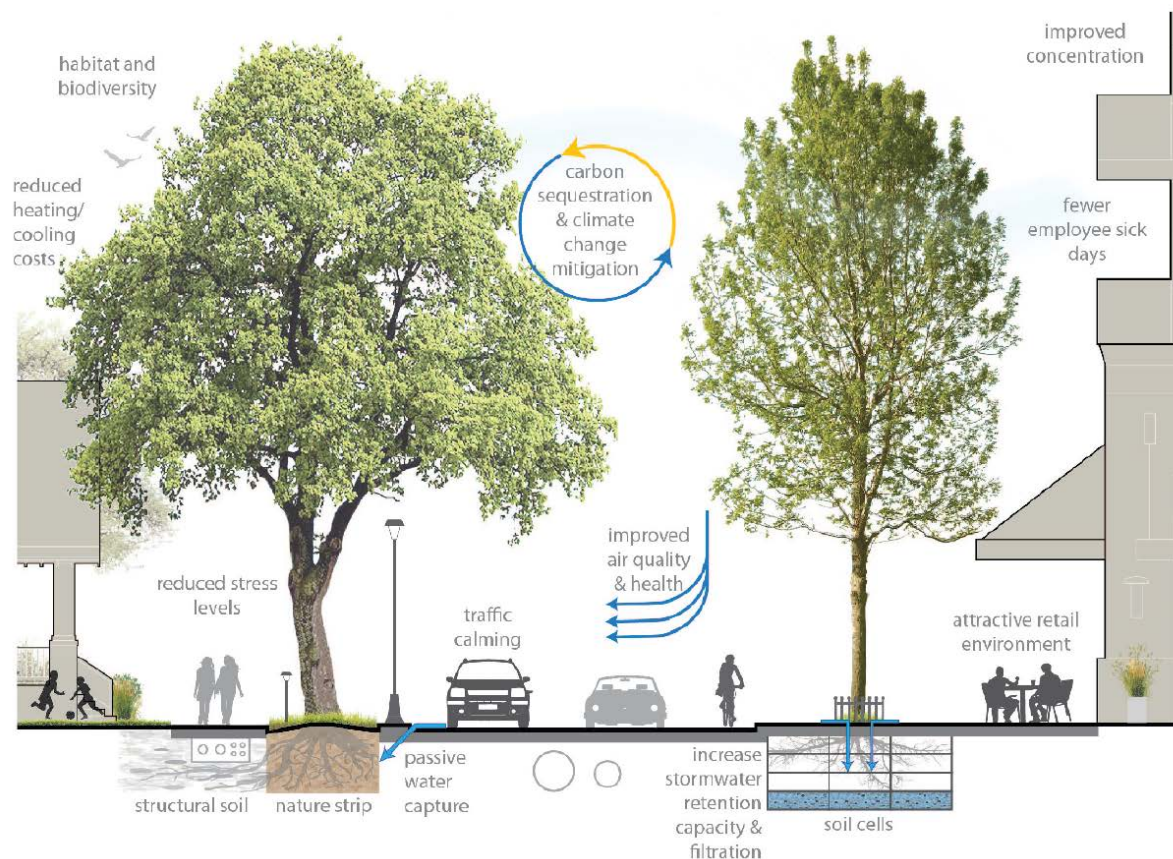
OVERVIEW

Why do we need a plan?

To ensure that social, economic and environmental benefits are realized and disservices are managed

To maximise returns for money spent

To help create beautiful, healthy and resilient cities



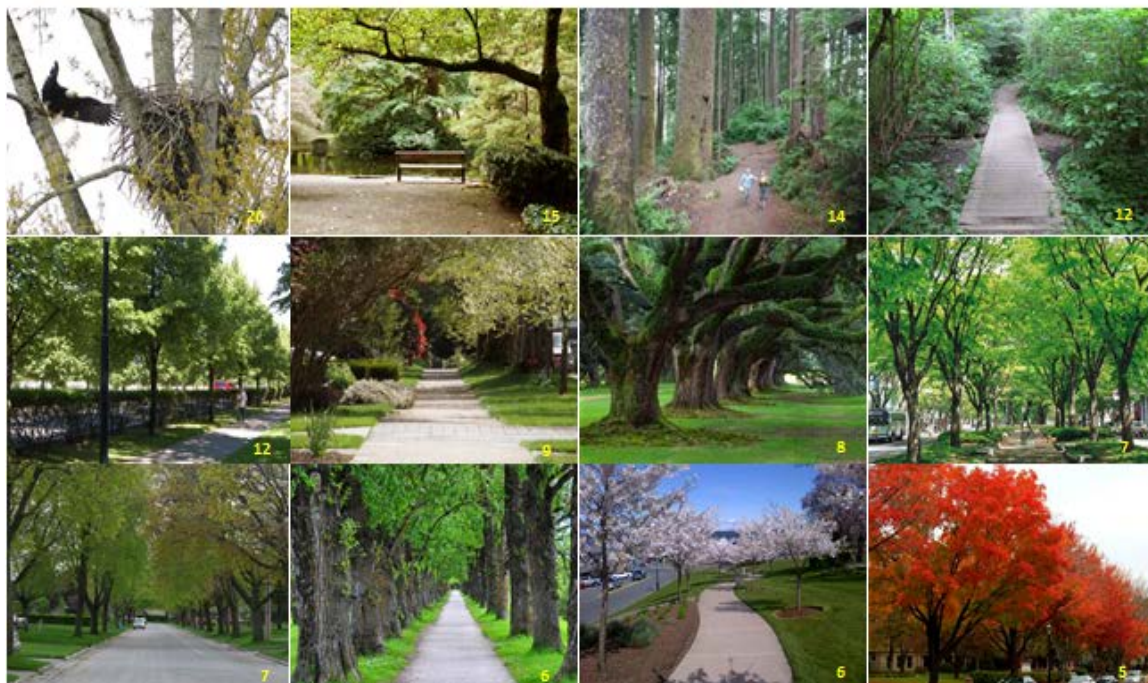
OVERVIEW



OVERVIEW – OPEN HOUSE #1

What we heard

In 2045, images that represent a most preferred future for White Rock's urban forest...



OVERVIEW - SURVEY

The majority of people in White Rock recognize the importance of the urban forest in providing functional ecosystem services to the city related to water, air and cooling. The urban forest's role in the social and cultural identity of the City is also important, as is its contribution to habitat.

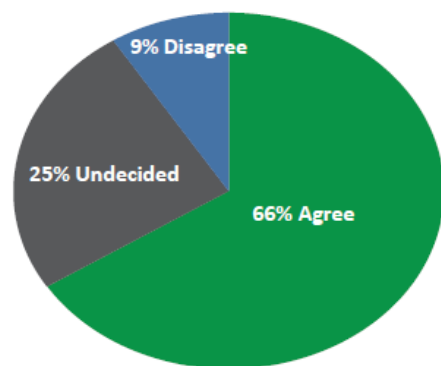
The services that the majority of people consider important for the urban forest to provide are:

- *Reducing storm water run-off and improving flood protection (91%)*
- *Beautifying the city (89%)*
- *Improving air quality (85%)*
- *Habitat for native plants and animals (85%)*
- *A place for heritage trees (78%)*
- *Contributing to White Rock's identity (74%)*
- *Providing shade (73%)*
- *Providing recreational spaces (72%)*
- *Spaces for people to interact and socialize (71%)*
- *Cooling streets and buildings (63%)*

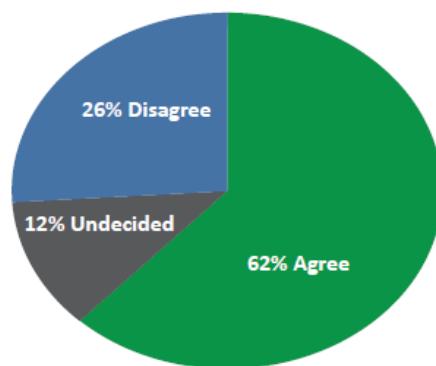
OVERVIEW - SURVEY

Results from selected questions...

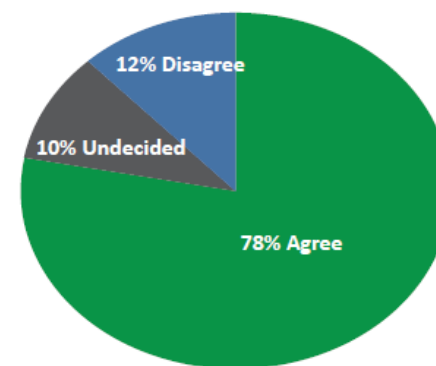
Q4a The City should aim to increase canopy cover



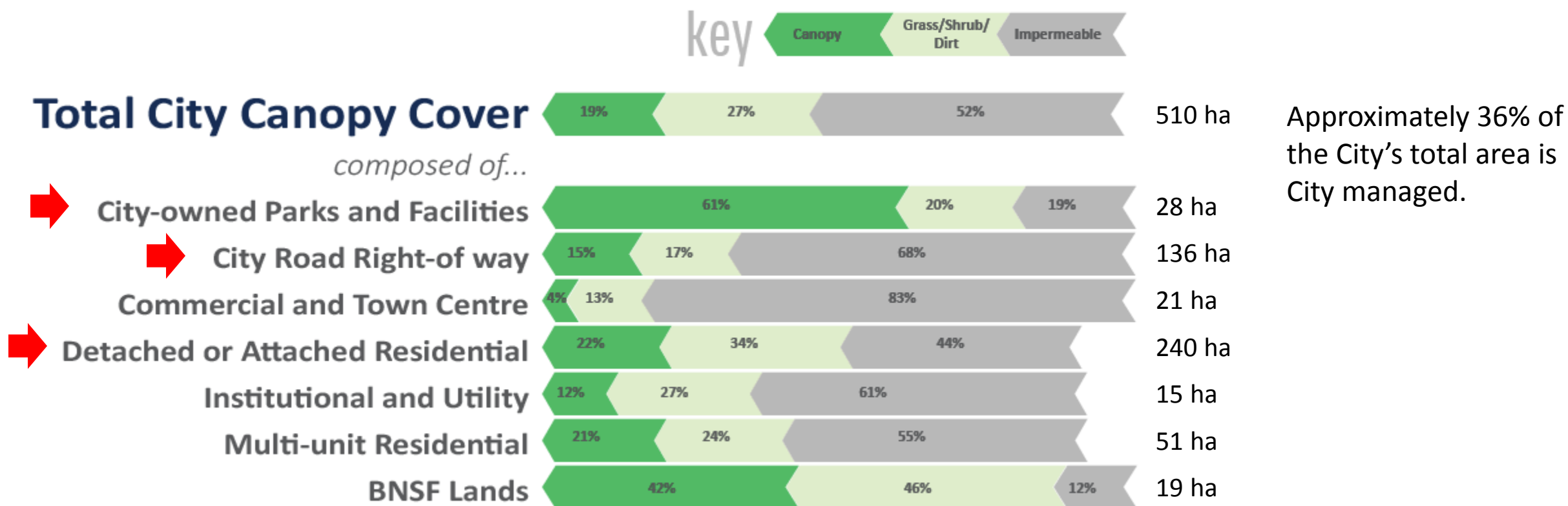
Q4b The City should continue to have a tree bylaw that protects trees on private land to prevent future canopy loss



Q4e The City should require minimum canopy cover for new developments. Developments would have to meet the target with tree planting on site or pay for equivalent tree planting on public land.

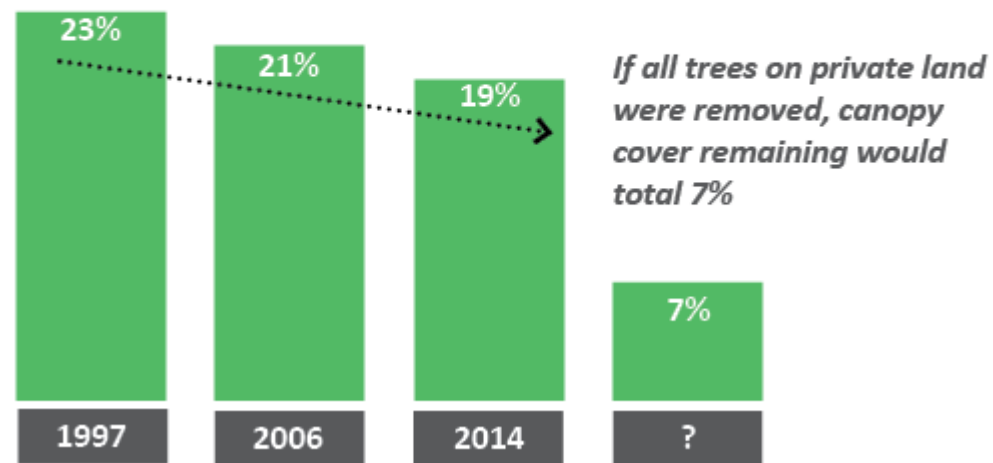


CURRENT STATE OF THE URBAN FOREST



CURRENT STATE OF THE URBAN FOREST

Canopy Cover Trend



CHALLENGES AND OPPORTUNITIES

Challenges

- *Urban redevelopment and densification*
- *Loss of permeable surface and native soils*
- *Road widening and sidewalk installations*
- *Emerging pests and diseases*
- *Inaction*

CHALLENGES AND OPPORTUNITIES

Opportunities

- *Implement policy and design guidelines to achieve good outcomes:*
 - Retention or replacement of canopy and permeable surface on developments where possible
 - Off-setting losses with canopy improvement in the public realm
 - Boulevard tree planting, protection and integrated design
 - Planting plans that manage diversity and public realm character
 - Public stewardship

CHALLENGES AND OPPORTUNITIES

Canopy retention or replacement in developments

Working around trees



Photo: Surrey.ca

Replacing with high quality landscapes



Photo: build-green.com Dockside Green

Innovative alternatives

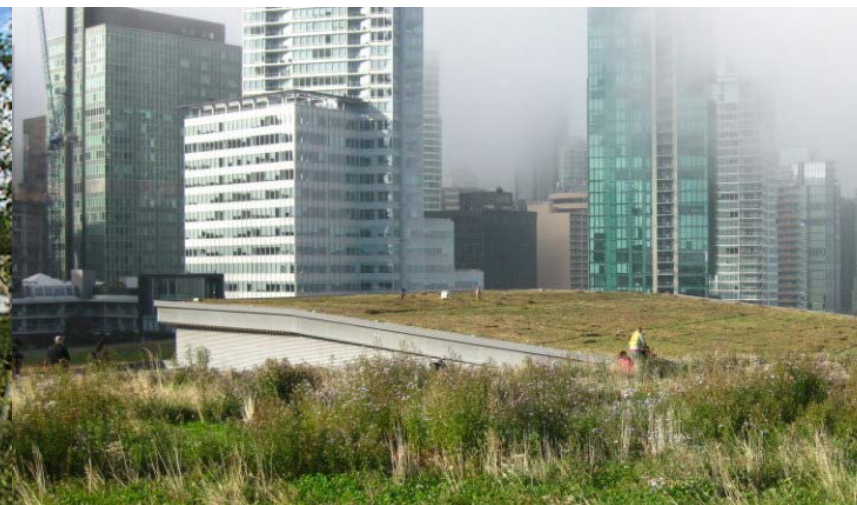


Photo: Vancitybuzz.com

CHALLENGES AND OPPORTUNITIES

Off-setting losses with enhancement in the public realm

Creating/acquiring new plantable spaces



Photo: landscapeinstitute.org

Enhancing landscaped parks



Photo: blog.navut.com

Restoring ecosystems



Photo: fef.td.com

CHALLENGES AND OPPORTUNITIES

Boulevard tree planting and integrated design

85% Canopy Cover



10th Ave Vancouver

40% Canopy Cover



Sandringham Ave, New Westmister

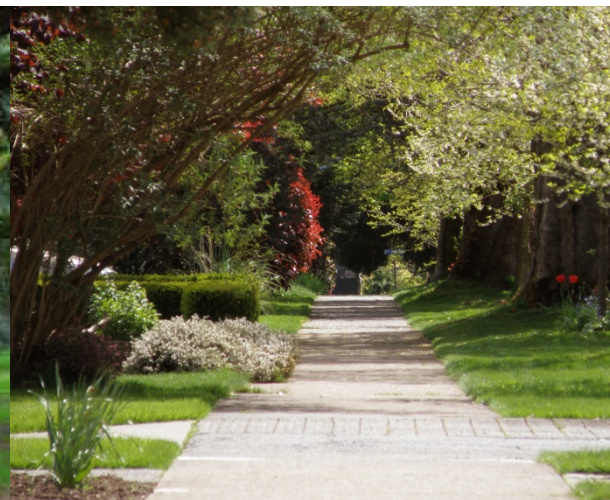
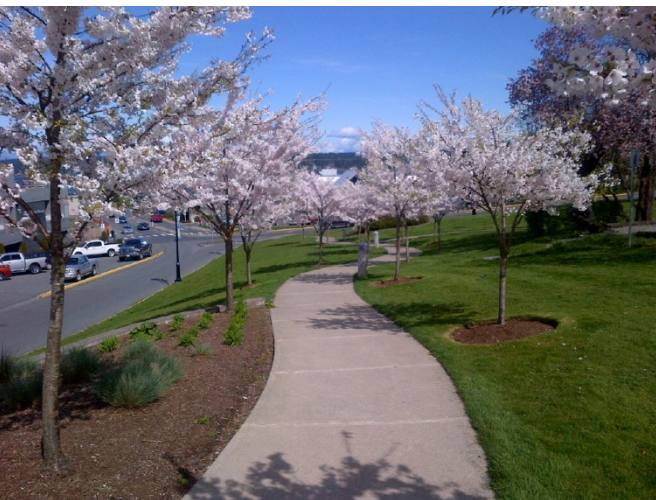
6% Canopy Cover



Prospect Cr, White Rock

CHALLENGES AND OPPORTUNITIES

Planting plans that manage diversity and character



CHALLENGES AND OPPORTUNITIES

Public stewardship

Citizen Foresters



Photo:ilandart.org

Training and Education

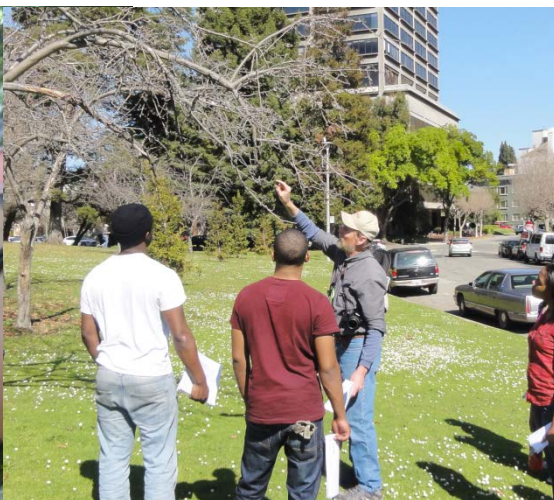


Photo: urbanreleaf.org

Partnerships



Photo: ufsn.ca



Photo: ufsn.ca

PROPOSED OBJECTIVES

Urban Forest Management Plan Objectives

- A. Protect and enhance canopy cover to reach a target of 27% by 2045*
- B. Support a healthy, well-adapted and diverse tree population*
- C. Manage the urban forest for community climate adaptation*
- D. Strengthen ecological systems and biodiversity*
- E. Engage and partner with the community to build stewardship of the urban forest*

Tonight's activities

There are stations set up around the room with staff to assist you in...

- *Signing in if you haven't already*
- *Vision statements*
- *Objectives and priority actions*
- *Public realm planting character*
- *Big map (places you value and locations for enhancement)*



Thank you