



#### Agenda – Trees in the District June 14, 2016

- The Benefits of Trees
- **District vs. Private Trees**
- **DNV Tree Policy and Background**
- Requests for Service (RFS) Protocol
  - **Tree Risk Management**
  - Hazard Trees
- Emerging Trends / Challenges
- Proactive Tree Management

# The Benefits of Trees

- Contribute to improved human health Clean air
- Carbon sequestration
- Habitat for birds and wildlife
  - Ecological diversity
  - Climate control
  - Slope stabilization
- Storm water run-off



#### Private Trees **District Trees** Protected under DP Protected under DP requirements for hazard, requirements for hazard, slopes & riparian areas slopes & riparian areas All trees protected under Large caliper trees protected under Bylaw Bylaw **Overseen by Parks Overseen by Environment** Department and Community **Department and District** Arborist Forester Public amenity / assets that Private ownership and belong to the community enjoyment Generally only hazardous Non-hazardous trees may be trees are removed in removed accordance with Policy Managed by Policy to No District oversight with minimize risk to public and respect to risk mitigation property Trees removed for Trees removed for development of private development of private property property

We will focus on District trees...



# **District Tree Policy and OCP**

- Background / History / OCP / DPA Policy
  - Tree Protection Bylaw # 7671
  - Tree Work in the District Policy
    - Protect the forested character
    - Management of District trees
    - Reduce risk to public and property



	The Corporation of the District of North Vancouve CORPORATE POLICY MANUAL	ATTACHMENT 1
and a	}	
Section:	Planning and Development	13
Sub-Section:	Environmental Planning and Development	5280
Title:	TREE WORK IN THE DISTRICT	1
It is the policy character, ecol the public and	of the District of North Vancouver to preserve and enhance ogical systems and natural parklands, while recognizing the property.	the District's attractive forest responsibility to minimize risk
REASON FOR	POLICY	
To clarify the res	sponsibilities and procedures for work on trees in the District.	
AUTHORITY TO	DACT	
Delegated to sta	a .	
Tree protection procedures to co	in the District of North Vancouver is outlined in the Tree Bylaw induct work on trees within the District.	7671. This policy prescribes t
PROCEDURE		
1.0 HAZAR	DOUS TREES ON DISTRICT PROPERTY	
This section app On request, the the public or pro Property. If add conditions outlin	lies to all trees located wholly or in part on District property, dedical District Arborat or appropriate staff will inspect trees on District by perty according to the proceedures in 1.1 and Appendix 1. There Ra discoal work not related to safety is requested, the District will or ed in Sections 2.0 and 3.0.	led roads and parks. roperty and will mitigate hazards ting Procedure for Trees on Dist onsider the request subject to t
1.1	Tree hazards will be mitigated in accordance with the procedure of Procedure for Trees on District Property which is attached and to identified with the highest rating for a hazard will be corrected first work schedule initis as prescribed in Appendix I. The Paris Department is issued a permit annually under the Tree to mititate hazardius trees.	set out in Appendix 1, Tree Rad ims part of this policy. The tree and as soon as practical within t e Bytaw 7671 granting authorisati
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1.1 1.2 2.0 NON H- The Manager of Section 1.0 and	The hazard will be indigated in accordance with the procedure to the second sec	set out in Appendix 1, The Add mms part of this policy. The free and as soon as practical within 1 e Bylaw 7671 granting authorisatio Diatrict Antonist, the requester m sters's expense). This assessment The District Antonist or appropria lated to safety as defined in

2.2 The permit fees and associated cost of the work and the cost of restitution will be the responsibility of the applicant.



#### **Development Permit Areas**





# **Trees on District Property**

- DNV is responsible for approximately 3 million trees across 440 ha of urban forest
- □ Which trees are protected?
- Where are District trees located?
  - Parks, greenbelts, alpine areas, lane & street ROW's
- Which trees generate the most requests for service?
- How does the District manage trees on public property?





# **Requests for Service**

#### Resident initiated inspections of District trees

- Hazardous trees
- Non-hazardous trees (permits)
  - Removal, wildlife snags, pruning
- Development initiated inspections of District trees (permits)



- External RFS volumes have increased steadily over the past 5 years – 690 in 2010 to 1057 in 2015
- Public expectations for tree management exceeds staff resources and annual budget



# **Emerging Trends & Challenges**

- RFS volumes steadily increasing over last 5 years
  - Requests for views, litter & light on rise
- Aging and mature forest = potential for blowdown
- **Development** pressures impact tree health
  - Single family homes, densification, town centers
- Climate change
  - Increased frequency, intensity and unpredictability of storms
     August 2015 storm





# **Tree Risk Management**

- RFS Driven
- Tree Inspections
- Tree risk assessment standards
- Wireless laptop GIS database
- Prioritization of tree work
- Work flow management of preapproved contractors and District crews





# **Tree Risk Management**

- Trees are assessed using Visual Tree Assessment (VTA) method, using standards prescribed by the International Society of Arboriculture
- Physical inspection may be performed if concerns exist
  Climbing, resistograph testing, or increment boring
- Tree risk rating assigned to tree Priority Rating 1-5
  - P1 immediate response
  - P2 referred to crew or contractor for response within next month
  - P3 referred to crew of contractor for response as work load permits
  - P4 for consideration as work flow and/or budget permits
  - P5 for consideration as work flow and/or budget permits
- Work performed based on Priority Rating





#### **Proactive Tree Risk Management**

- Assessment of tree health is our most effective means of pro-actively assessing how trees will perform under any conditions, including storms
  - healthy trees perform better than unhealthy trees, in most cases...
- Nov. 2006 & August 2015 storms
  What did we learn?
- Incorporating these lessons into the Climate Change Adaptation Plan





## **Proactive Forest Management**





### **Permit process**

- Allows for tree work while protecting the community asset and forested character
- Fair and equitable process
- Neighbourhood consent
- Restitution planting required 3:1





#### Permit Application For Non-Hazardous Trees





#### Conclusion



"to preserve and enhance the Districts attractive forested character.....while recognizing the responsibility to minimize risk to public and property"