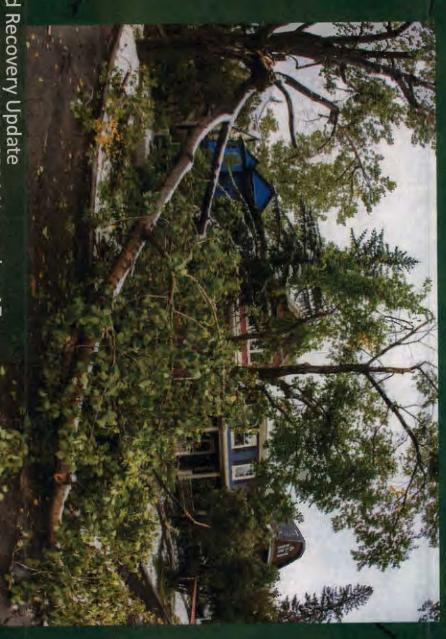
Calgary Tree Disaster 2014
Restoring our urban forest



Response and Recovery Update Council Report C2014-0888 - 2014 November 17

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Phase 1: Response Phase

- Debris removal completed in all communities by Oct 17
- 23 Million kilograms received at landfills
- Parks, Waste & Recycling,
 Water, Roads, CofE, ESRD,
 many Contractors involved
- Approaching 10,000 SRs
- 1500 out of 7000 hangers remain

Cost Projection:

\$ 4.3M (Regular/Base) \$18.0M (Incremental)* \$22.3M (Total)

* DRP discussions initiated with Province through CEMA

Phase 2: Recovery Phase

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1. Tree Removal
Non Repairable



2. Prune Large Torn Limbs



3. Prune Many Small Limbs



4. Structure
Pruning
Restore and
Preserve
Existing Tree



5. All Trees Impacted on this Street and Pathway

Phase 2&3: Recovery & Restoration

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Alternative	Cost	Work Program	<u>Impacts</u>			
1. No Additional Resources (limited pruning)	\$11.2 Million existing budgets	 Prune 25% of damaged trees Reduced service to Public 	 Urban forest does not recover Higher risk of tree death and disease Loss of aesthetics, social environmental and benefits 			
2. Recovery Only (corrective pruning)	\$35.0 Million \$23.9M new \$11.9M existing budgets	 Prune 100% of damaged trees Tree Asset Management (AM) 	 Public trees pruned properly NO Educational support NO Community support NO Public tree re-planting 			
3. Recovery, Restoration (corrective pruning, replanting, community outreach)	\$47.4 Million \$35.5M new \$11.9M existing budgets	 Prune 100% of trees AM in place Tree removal & replanting program Citizen outreach Build resiliency 	 Public trees pruned properly Public education/outreach Private tree recovery rates improved Re-planting of lost trees occurs 			

Recovery & Restoration Budget

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Action Plan Budget Request (\$000)												
	Total Program	Parks Capital Redirect	1 Time Operating Request (FSR)				Parks Operating 2015-18 Redirected					
Timing		2015	2015	2016	2017	2018	2015	2016	2017	2018		
Total Program	\$47,400	\$700	\$35,500				\$11,200					
Cash Flow	\$47,400	\$700	\$11,900	\$11,800	\$11,800		\$2,800	\$2,800	\$2,800	\$2,800		
Cost breakdown by Phase (\$000)												
Recovery Phase	\$ 35,000	\$700	\$10,700	\$6,600	\$6,600		\$2,600	\$2,600	\$2,600	\$2,600		
Restoration Phase	\$ 12,400		\$1,200	\$5,200	\$5,200		\$200	\$200	\$200	\$200		

Recommendations

- Recommend that Council approve the proposed incremental one-time funding of \$35.5 Million for the Calgary Tree Disaster 2014 in Attachment 3 related to the recovery and restoration phases at the November Council budget deliberations of the 2015-2018 Action Plan.
- 2. Forward Attachment 3 to the November Council budget deliberations of the 2015-2018 Action Plan.

An example of unseen damage from initial drive by.



