

Calgary Tree Disaster 2014

Restoring our urban forest



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

Phase 1: Response Phase

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- 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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<u>Alternative</u>	<u>Cost</u>	<u>Work Program</u>	<u>Impacts</u>
1. No Additional Resources (limited pruning)	<u>\$11.2 Million</u> existing budgets	<ul style="list-style-type: none"> • Prune 25% of damaged trees • Reduced service to Public 	<ul style="list-style-type: none"> • Urban forest does not recover • Higher risk of tree death and disease • Loss of aesthetics, social environmental and benefits
2. Recovery Only (corrective pruning)	<u>\$35.0 Million</u> \$23.9M new \$11.9M existing budgets	<ul style="list-style-type: none"> • Prune 100% of damaged trees • Tree Asset Management (AM) 	<ul style="list-style-type: none"> • Public trees pruned properly • NO Educational support • NO Community support • NO Public tree re-planting
3. Recovery, Restoration (corrective pruning, replanting, community outreach)	<u>\$47.4 Million</u> \$35.5M new \$11.9M existing budgets	<ul style="list-style-type: none"> • Prune 100% of trees • AM in place • Tree removal & replanting program • Citizen outreach • Build resiliency 	<ul style="list-style-type: none"> • 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

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1. 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.

Questions

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An example of unseen damage from initial drive by.

