## Scope of PowerStream's Vegetation Management Program

PowerStream ACA 2014 Asset Counts				
Asset	Total			
Distribution Transformer	44,112			
Distribution Switchgoor	1,021			
Wood Poles	38,070			
Onderground Frimary Cable (km)	0,220			
Min-Rupter Switch	433			
Automated Switch	360			

Table 10: Summary of Distribution System Assets

Assuming there are 15 pole per km on average,~2,538km of tree trimming is required.

Ref: EB-2015-0003, PowerStream Inc. Rate Proposal, Exhibit G, Tab 2, 5.3.2 Overview of Assets Managed, Page 25 of 61 (Page 104 of Chapter 5)

## Scope of Manitoba Hydro's Vegetation Management Program

	Demographics	
Age (Yrs)	Qty	%
0 to 10	143,873	13.3%
10 to 20	157,792	14.6%
20 to 30	170,517	15.7%
30 to 40	173,802	16.1%
40 to 50	174,556	16.1%
50 to 60	144,486	13.3%
60 to 70	113,771	10.5%
70 to 80	3,313	0.3%
> 80	762	0.1%
Grand Total	1,082,873	100.0%
Replacement Value	\$3,5	OUM

> 72,000km of tree trimming is required, which is 28 time greater than that of PowerStream.

Ref: Manitoba Hydro Electric Infrastructure Condition Assessment Summary (Page 62)

## Annual Cost of PowerStream's Vegetation Management Program

	2015	2016	2017	2018	2019	2020
O & M COSTS	3,290,425	3,824,791	4,364,492	4,909,270	5,459,443	6,014,538
insulator washing	140,000	141,400	142,814	144,242	145,684	147,142
pole testing	185,000	186,850	188,719	190,606	192,512	194,437
underground cable testing	51,945	53,177	54,431	55,506	56,521	57,417
dry ice cleaning	353,295	356,829	360,397	363,999	367,640	371,317
infrared scanning	146,856	148,516	150,193	151,841	153,490	155,104
overhead switch maintenance	353,329	357,419	361,532	365,606	369,752	373,528
vegetation management	2,060,000	2,580,600	3,106,406	3,637,470	4,173,844	4,715,593

Table 2: Annual O & M Spending

- The 2015 PowerStream budget for the vegetation management program is \$2,060,000 which represents an investment of \$812 per kilometre.
  - ➤ If the 2015 rate is applied to Manitoba Hydro's vegetation management program, an annual investment of \$58,464,000 would be required. This is 9.5 time larger than the current vegetation management budget.
- The 2020 PowerStream budget for the vegetation management program is \$4,715,593 which represents an investment of \$1,860 per kilometre.
  - ➤ If the 2020 rate is applied to Manitoba Hydro's vegetation management program, an annual investment of \$133,920,000 would be required. This is 22 time larger than the current vegetation management budget.

Ref: EB-2015-0003, PowerStream Inc. Rate Proposal, Exhibit G, Tab 2, 5.3.2 Overview of Assets Managed, Page 25 of 61 (Page 166 of Chapter 5)