Exhibit List									
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Power Co. Witness Panel # 1 - Exhibits									
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• Exhibit K1.2	Evidence Building Comparison								
• Exhibit K1.3	Office Space Allocation (Rule of Thumb)								
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Exhibit K1.6	Office Space Calculation Finder								
Power Co. Witness Panel # 2 - Exhibits									
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	Management								
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# EXHIBIT A

Power Co. ApplicationNotice of Hearing

#### Power Co. Rate Application

Power Co. is a licensed electricity distributor serving 400,000 customers in Powerville, Ontario. Power Co. filed an application on November 15, 2017 under section 78 of the *Ontario Energy Board Act, 1998* seeking approval for changes to the rates that Power Co. charges for electricity distribution, to be effective May 1, 2018.

The OEB issued a Notice of Hearing on December 1, 2017.

The OEB held a community meeting in Powerville on January 10, 2018.

In Procedural Order No. 1 the OEB accepted the Consumer Alliance, the Hospital Coalition and the Landlords' Association of Ontario as intervenors in this case.

### ONTARIO ENERGY BOARD NOTICE TO CUSTOMERS OF POWER CORPORATION

## Power Corporation has applied to raise its electricity distribution rates.

#### Learn more. Have your say.

Power Corporation has applied to the Ontario Energy Board to raise its electricity distribution rates effective May 1, 2018. If the application is approved, a typical residential customer of Power Corporation would see an increase of approximately \$7.00 per month. Other customers, including businesses, may also be affected.

#### THE ONTARIO ENERGY BOARD IS HOLDING A COMMUNITY MEETING

The Ontario Energy Board (OEB) is hosting a meeting on January 10, 2018 at the Powerville Community Centre, 7<sup>th</sup> Avenue, Powerville, Ontario from 6:30 p.m. (doors open at 6 p.m.) so that you can:

- Learn more about Power Co.'s costs and rate application.
- Find out how the OEB will review the application.
- Get involved and provide your comments about the application to the OEB.

#### THE ONTARIO ENERGY BOARD IS HOLDING A PUBLIC HEARING

The OEB will hold a public hearing to consider the application filed by Power Co. During the hearing, we will question Power Co. on its case for a rate increase. We will also hear questions and arguments from individual customers and from groups that represent Power Co.'s customers. At the end of this hearing, the OEB will decide what, if any, rate increase will be allowed.

Distributors such as Power Co. typically apply for a full review of their rates every five years. Any rate changes for the years in between are made by applying an OEB-approved formula which is tied to inflation and other factors intended to promote efficiency. You may not get notice of future rate changes made by applying the formula.

The OEB is an independent and impartial public agency. We make decisions that serve the public interest. Our goal is to promote a financially viable and efficient energy sector that provides you with reliable energy services at a reasonable cost.

#### **BE INFORMED AND HAVE YOUR SAY**

You have the right to information regarding this application and to be involved in the process.

- You can review Power Co.'s application on the OEB's website now.
- You can attend the OEB's community meeting (date, time and place set out above) where you can ask questions, make comments and voice your concerns.
- You can file a letter with your comments, which will be considered during the hearing.
- You can become an active participant (called an intervenor). Apply by **December 15, 2017** or the hearing will go ahead without you and you will not receive any further notice of the proceeding.
- At the end of the process, you can review the OEB's decision and its reasons on our website.

#### LEARN MORE

These proposed charges relate to Power Co.'s distribution services. They make up part of the Delivery line - one of the five line items on your bill. Our file number for this case is **EB-2018-0001**. To learn more about this hearing, find instructions on how to file letters or become an intervenor, or to access any document related to this case, please select the file number **EB-2018-0001** from the list on the OEB website: <u>www.oeb.ca/notice</u>. You can also phone our Consumer Relations Centre at 1-877-632-2727 with any questions.

#### **ORAL VS. WRITTEN HEARINGS**

There are two types of OEB hearings – oral and written. Power Co. has applied for a written hearing. The OEB is considering this request. If you think an oral hearing is needed, you can write to the OEB to explain why by **December 15, 2017.** 

#### PRIVACY

If you write a letter of comment, your name and the content of your letter will be put on the public record and the OEB website. However, your personal telephone number, home address and email address will be removed. If you are a business, all your information will remain public. If you apply to become an intervenor, all information will be public.

This rate hearing will be held under section 78 of the Ontario Energy Board Act, 1998, S.O. 1998 c.15 (Schedule B).



# **EXHIBIT B** EVIDENCE - NEW HEAD OFFICE

#### New Head Office

**General Issue**: Is the proposed rate base for 2018, including capital expenditures for 2018, appropriate?

**Sub-Issue**: Purchase by Power Co. of a new head office on Main Street in Power Co.'s service area.

#### Issue 1

Power Co. applied for a 2018 rate base<sup>1</sup> of \$281 million. In comparison, the 2013 OEB approved rate base was \$197 million and the actual 2013 rate base was \$193 million. Power Co.'s evidence<sup>2</sup> is that the increase of \$84 million over the 2013 OEB approved level is partly due to an increase in capital assets of \$64 million.

One of the main drivers for the capital<sup>3</sup> increase is the purchase of a new head office for the utility on Main Street.

Until recently, all of Power Co.'s operations (office, employees, and operationals business functions) were located on Second Street. Power Co.'s evidence is that this space is no longer suitable to meet the company's needs.

In 2016, Power Co. assessed options for relocating its head office facilities. It considered a number of options, including:

- i. building on to the existing property on Second Street and renovating the existing space
- ii. buying new land to construct a new facility
- iii. purchasing or leasing an existing building.

Power Co. retained the services of Real Co. to assist it in assessing the options, determining its space requirements and planning and designing its new space.

Upon the recommendation of Real Co., Power Co. made the decision to purchase land and build a new facility on Main Street.

No party is disputing that Power Co. required alternative office facilities.

The issues are:

<sup>&</sup>lt;sup>1</sup> Rate base is the total dollar value of all the assets used by a utility to provide energy service: wires, poles, meters, IT equipment, etc.

<sup>&</sup>lt;sup>2</sup> Evidence is the facts and information filed by an applicant, in this case Power Co. to support its requests in an application.

<sup>&</sup>lt;sup>3</sup> Capital expenditures are amounts spent by a utility to acquire or enhance fixed assets, such as land, buildings, and major equipment. When the asset is ready to be used, the expenditure is added to rate base as a capital addition. The expenditure is then recovered through rates over the life of the asset.

- whether Power Co. identified the reasonable options
- whether it made the appropriate choice among those options
- whether the space plan is appropriate for the number of employees and required space for the business operations
- whether it is appropriate for Power Co. to keep the entire space on Second Street

#### Evidence

The total 2018 capital costs included in the Power Co. application associated with the new head office are \$30.3 million, broken down as follows:

- Purchase of land \$7 million
- Construction of new office building \$22 million
- Reconfiguration of the Second Street facility to solely an operations centre \$1.3 million

The current Second Street facility has approximately 37,000 square feet of office area and 21,000 square feet of operational/industrial space. Power Co. expects to convert the Second Street facility to an operations centre. As such, there is no current intention to sell the existing space and there are costs of \$1 million associated with converting the space to an operations only centre.

Power Co. currently has 163 employees.

	Current	Move-In Complete	Five Years	Ten Years
Head Office	93	127	139	152
Operations Centre	34 + 36	36	38	43
Total	163	163	177	195

The breakdown of employee housing over time is currently projected as follows:

Power Co. stated that the head office space was planned for 127 employees at time of move in, 139 staff in 5 years, and 152 in 10 years. The evidence is that about 76 staff occupied the space at move-in and that there are currently 93 staff in the Main Street office.

It expects to house 127 staff in the available office space within the Main Street head office by the end of Q4 2018 and a further 12 incremental staff within 5 years. Thirty-six outside staff will be serviced by the operations centre.

The total useable office space in the Main Street facility is 97,000 square feet including:

- 1. A 1,000 square foot Executive Boardroom
- 2. Three large meeting rooms, totaling 3,500 square feet

3. A further 12 meeting rooms, including a number of dedicated meeting and work rooms

4. 4,254 square feet for the CEO's office area, including 380 square foot offices for the CEO and for the Chairman of the Board (the Chairman does not have an office now and does not work full-time for Power Co.)

5. 6,471 square feet for the lobby and customer service areas.

#### Witness Panel for Hearing

Witness 1 – Jane Scott, Power Co., Chief Operating Officer

Witness 2 – Pascale Duguay, RealCo (Consultant to Power Co. on relocation strategy and office space needs)

Witness 3 – Gona Jaff, Power Co., Senior Manager of Facilities

# **EXHIBIT C** EVIDENCE - VEGETATION MANAGEMENT

#### **Vegetation Management**

**General Issue**: Is the proposed Operations, Maintenance and Administration budget for 2018 appropriate?

Sub-Issue: Increased vegetation management budget.

#### **Issue 2 Overview**

#### **Vegetation Management**

The Vegetation Management program maintains vegetation along lines and on right-ofways (ROW) that could negatively affect the operation of energized lines and equipment and access to ROWs.

#### Evidence

Power Co. has approximately 45,000 kilometres of lines and ROW. Vegetation management activities include responding to customer complaints related to over-grown vegetation, planned activities such as tree trimming and tree removal that could damage lines and brush removal from the ROW floor. The program budget is based on reported customer issues, vegetation condition data and reliability data.

The Vegetation Management budget is divided into 2 programs – Unplanned Maintenance and Planned Maintenance. The table below summarizes Historical, Bridge and Test Year spending.

Power Co.	Power Co Vegetation Management												
Description	Н	istoric Yea	Bridge Year	Test Year									
(\$ Millions)	2014	2015	2016	2017	2018								
Unplanned Maintenance	\$ 6.00	\$ 6.00	\$ 7.00	\$ 10.00	\$ 10.00								
Planned Maintenance	\$ 19.00	\$ 24.00	\$ 28.00	\$ 31.00	\$ 41.00								
Total	\$ 25.00	\$ 30.00	\$ 35.00	\$ 41.00	\$ 51.00								

Power Co.'s proposal increases spending in a prudent manner and takes into account the availability of resources. The 2018 budget is \$51 million and is 24% greater than the 2017 Bridge Year budget. The increase is due to higher levels of line clearing and brush removal accomplishments.

Between 2014 and 2016 tree-related interruptions accounted for 61% of SAIDI<sup>1</sup>. Inadequate vegetation management negatively affects system reliability, exacerbates storm damage and ability of crews to conduct restoration and maintenance activities. Routine vegetation management can significantly improve system.

<sup>&</sup>lt;sup>1</sup> System Average Interruption Duration Index – An OEB established performance index that represents the average number of hours that power to a customer is interrupted

#### **Unplanned Maintenance**

Unplanned Maintenance refers to work that is identified by the customer and property owners. The 2018 budget for the Unplanned Maintenance program is \$10 million, which is same as the 2017 budget.

The vegetation management work that is initiated by the public includes removal of hazard trees in close proximity to power lines, restoring clearances near energized equipment and brush removal from ROWs. If left unaddressed these issues can affect system reliability and are a safety risk to the public and crews alike.

Interruptions caused by tree contact are significant. In the 2014-2016 period, 61% interruptions were caused by tree contact and during force majeure events, tree related interruptions were higher at 82%.

	Power Co Vegetation Contribution												
	Α	ll Interru	ptions (hrs)	Fore Majeure Events (hrs)									
	Total	Tree	e % Caused by Tree Tree		Tree	% Caused by							
	Contact		Contact	Total	Contribution	Tree Contact							
2014	15	9	60%	8	7	88%							
2015	29	18	62%	23	18	78%							
2016	17	10	59%	8	7	88%							
Total 61 37		61%	39	32	82%								

A portion of the Unplanned Maintenance program budget allocated to address unforeseen problems.

#### Planned Maintenance

The Planned Maintenance program involves line clearing (removal of damaged trees and tree trimming) and brush removal from the ROW floor:

- Removal of damaged or diseased trees that could impact lines and equipment
- Tree trimming required to maintain clearances to lines and equipment
- Brush removal from ROW floor

The 2018 Test Year requirement for the Planned Maintenance program is \$41 million. This a 32% increase from Bridge Year and driven by an increase in volume of work of about 16%. The increase in the volume of work will target areas where damage to lines and equipment from tree contact is the highest.

Power Co. has prudently increased line clearing accomplishment with the aim of improving reliability. In the 2014 to 2016 period, line clearing accomplishments averaged 4,167 kilometres. In 2017, line clearing accomplishments are planned to be 6,000 kilometres and in 2018 accomplishments are planned to be 7,500 kilometres.

In addition to line clearing work Power Co. also undertakes work to remove brush from the ROW floor. This involves removing brush that can grow tall enough to compromise energized lines and equipment.

Power Co. has budgeted \$11 million and \$12 million for brush removal work in 2017 and 2018, respectively. The planned level of accomplishment is 6,500 km and 7,000 km in 2017 and 2018, respectively.

Costs are increasing because of mechanical brush removal methods and community resistance to herbicide use.

The cost to control brush increases significantly when brush height exceeds 6 feet and can more than double if allowed to grow further.

Performance improvements achieved with feeders cleared during historical period illustrates the effectiveness of routine and timely vegetation management. Customers connected to lines cleared received significant benefits, as their average outage durations reduced by 45% and the number of customer interruptions declined by 40%.

Reductions to the vegetation management budget will increase the number of tree caused outages, increase vulnerability in storms and impede improvements in reliability. Reductions in funding will also increase life cycle costs for vegetation management resulting in reduced efficiencies.

#### Witness Panel for Hearing

Richard Lanni – Power Co., Chief Reliability Officer Rudra Mukherji – Power Co., Director, Field Operations

Elvira Palermo – Power Co., Senior Manager, Field Operations

# EXHIBIT D ORAL HEARING EXHIBITS POWER CO. WITNESS PANEL #1

#### Power Co. Request for Proposal #VMW1234 Commercial Real Estate Advisory Services Confidential

#### Pascale Duguay

Real Co., President & General Manager

Facilities Consultant, Planner and Project Manager specializing in the planning and implementation of Office, Retail and Mixed Office / Industrial Commercial Projects. Thirty Three Years of experience in development of office environments from information to implementation.

#### Key Skills:

- Spatial requirements and building constraints
- Customized Space Utilization Forecast Models and Facilities Forecast Budgets
- Conceptual Space programming and allocation of spatial resources based on function
- Building Code Requirements
- Space Allocation and Design with building capacities and capabilities
- Project Budget, monitoring and reporting
- Project Scheduling and resource allocation and management
- Systems Furniture application, development, inventory valuation assessment
- Detailed planning of construction materials and methodology

#### **Recent Activities: Real Co.**

- Thurman Canada, Corporate Offices, 87,000 sf
- Beckerson Canada Corporate Head Office, 70,000 sf
- Chestnut Think Food Centre and Phase 2 Offices, 152,000 sf
- Chestnut Consumer Foods Corporate Office Development 180,000 sf
- Chestnut Global Foods Corporate Offices, 35,000 sf
- Chestnut Western Distribution Development 25,000 sf
- Canada Bottled Water GTA Distribution Depot and Laboratory, 35,000 sf
- Robert Broach Corporation Canadian Office, 30,000 sf
- Ministry of Municipal Administration facilities support 250,00 sf
- Office of the Financial Accountants 120,000 sf

#### Oral Hearing Exhibit K1.2

#### Table: Building Comparison

EB-2018-0001

LDC Co. Head office cost					
	1	\$	22,700,000		LDC Co. Application, EB-2016-3333, Exhibit B.1, Tab 5, Schedule 3
Square Footage	2		92,000		LDC Co. Application, EB-2016-3333, Exhibit B.1, Tab 5, Schedule 3, p. 12
Head Office Employees (projected)			270		LDC Co. Application, EB-2016-3333, Exhibit B.1, Tab 5, Schedule 3, p. 8
Gross square foot / employee	2/3		340.74		
Cost / employee	1/3	\$	84,074.07		Based on 2007-2008 \$Cdn
\$/gross sq ft for bldg	1/2		246.74		
Power Co.					
<u>Head office cost</u>					
	1	\$	29,000,000		Power Co. Application, EB-2012-0033, Exhibit 2, Tab 2, Schedule 5, p. 13
Square Footage	2		97,000		Power Co. Application, EB-2012-0033, Exhibit 2, Tab 2, Schedule 5, p. 1
Head Office Employees (projected)			152		OEB staff IR# 12, Issue 2.1, Attachment 1, pages 101 to 156
Gross square foot / employee	2/3		638.15	187.3%	Based on Gross Sq Ft
Cost / employee	1/3	\$	190,789.47	226.9%	Based on 2018 \$Cdn
\$/gross sq ft for bldg	1/2	•	298.97	121.2%	· · · · · · · · · · · · · · · · · · ·

#### Table: Value of Leasable Square Footage

Power Co.			
<u>Second St Facility – Unused Space</u>			
Square Footage	1	29,000	Power Co. Application, EB-2012-0033, Exhibit 2, Tab 2, Schedule 6, p. 11
Head Office Employees (projected)		152	OEB staff IR# 12, Issue 2.1, Attachment 1, pages 101 to 156
Lease rate per sq ft	\$1 \$29,000	)/mo (\$348/yr)	
	\$2 \$58,000	D/mo (\$696,yr)	
	\$5 \$145,00	00/mo (\$1.7M/yr))	





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- Office Space Blog
- Planning Checklist
- Space Measurement
- How Much Space?

#### Leasing Information

- Leasing Process
- Small Office Alternative
- Virtual Office Space
- For the Larger User

#### **Buying Information**

- Mortgage Calculator
- Buying Process
- Lease or Buy
- Request Information

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### How much office space for this? How much office space for that?

#### Tenants' Rules of Thumb by Use



The general rule of thumb is to allow anywhere between 125 and 225 usable square feet of office space per person. This of course, depends upon the type and style of the business and the workspace layout. These figures can vary based upon special needs such as extra-large conference rooms

or storage requirements, but will include normal amenities within a general use office. Also checkout our Tenants' Rule of Thumb by Job Description.

We also offer our easy to use and free Office Space Calculator that will give you both general and specific square footage estimates.

The following office space allocations can be used to help estimate the amount of "usable" office space required for your business based upon uses. Any common area load factors will



need to be added on to determine the "rentable" area. Learn how to calculate rentable office space.

**Typical President' s office or Chairman of the Board** 200 to 400 sq. ft. (3 to 5 windows in length)

**Typical Vice-President' s Office** 150 to 250 sq. ft. (3 to 4 windows in length)

Typical Executive's Office 90 to 150 sq. ft. (2 widows in length)

Open Space Workstations Benches or cubicles 60 to 110 sq. ft. per person

**Work Group Areas** 80 to 100 sq. ft. per person

#### Quiet Room

Allow 1-100 sq. ft. quiet room for every 10 open space or work group workstations

#### **Conference** Rooms

15 sq. ft. per person: theater style 25 to 30 sq. ft. per person: conference seating

#### Mail Room

8 to 9 ft. wide with 30" counters on either side. Length depends upon amount of usage

#### **Reception Area**

125 to 200 sq. ft. Receptionist and 2 - 4 people 200 to 300 sq. ft. Receptionist and 6 - 8 people

#### **File Room**

7 sq. ft. per file with a 3' to 4' aisle width

Library Allow 12" for bookshelf width 175 to 450 sq. ft. with seating for 4 - 6

#### Lunch Rooms

15 sq. ft. per person, not including kitchen. Kitchen should be 1/3 seating area

#### ADA Restroom within the space

55 sq. ft. for a 1 seater and 30 sq. ft. for each additional seat OSHA Quantity Standards

**Corridors within the space** 20% to 30% of the total usable area

Coat Closets 1 lineal ft. for 4 coats

Water Coolers/Drinking Fountains 1 unit per 75 employees

Suggested Column Spacing 28' to 30' per bay

**Suggested Window Mullion Spacing** 4'6" to 5'. This determines office width

#### >>> Email Us Your Questions

Also see: Office Space Allocations per person by Job Description
Office Space Calculator
Calculate "rentable" office space
More on Office Space Design



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#### Power Co.

### Table - Current and Forecast Head Count Allocation by Location

	Current	Move-In Complete	Five Years	Ten Years
Head Office	93	127	139	152
<b>Operations Centre</b>	34 + 36	36	38	43
Total	163	163	177	195

## **Rules of Thumb Method**

Number of Employees: 152 Layout Efficiency: Typical Extraordinary Space: 7000 sf

#### Usable Square Footage Indicated: 63146 sf

### **Detailed Calculation Method**

President's: 2 Vice President's: 15 Executive's: 45 Partitioned Open Space: 65 Open Area Bullpen: 25 Conference Rooms: 10 10 10 10 15 15 20 25 40 8 Mail/Work Rooms: 2 Reception Area: 15 File Rooms: 12 Library: 2 Lunch Rooms: 30 30 10 1 1 Coffee Bars: 3

#### Usable Square Footage Indicated: 57361 sf

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## **Rules of Thumb Method**

Number of Employees: 127 Layout Efficiency: Typical Extraordinary Space: 7000 sf

#### Usable Square Footage Indicated: 52940 sf

### **Detailed Calculation Method**

President's: 2 Vice President's: 10 Executive's: 40 Partitioned Open Space: 50 Open Area Bullpen: 25 Conference Rooms: 10 10 10 10 15 15 20 25 40 8 Mail/Work Rooms: 2 Reception Area: 15 File Rooms: 12 Library: 2 Lunch Rooms: 30 30 10 1 1 Coffee Bars: 3

#### Usable Square Footage Indicated: 47481 sf

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# **EXHIBIT D** ORAL HEARING EXHIBITS POWER CO. WITNESS PANEL #2

Interrogatory Response No. 1 - Please provide a breakdown of the Vegetation Management program Budget, by component and provide the annual percent growth rate.

Power Co Vegetation Management												
Description		н	isto	oric Yea	Bri	dge Year	Test Year					
(\$ Millions)		2014 2015 2016			2017 2018			2018				
Unplanned Maintenance	\$	6.00	\$	6.00	\$	7.00	\$	10.00	\$	10.00		
Planned Maintenance	\$	19.00	\$	24.00	\$	28.00	\$	31.00	\$	41.00		
Total	\$	25.00	\$	30.00	\$	35.00	\$	41.00	\$	51.00		

Year over Year Growth % Unplanned Maintenance	0%	17%	43%	0%
Year over Year Growth % Planned Maintenance	26%	17%	11%	32%
Year over Year Growth % Total Veg Mgmt Budget	20%	17%	17%	24%

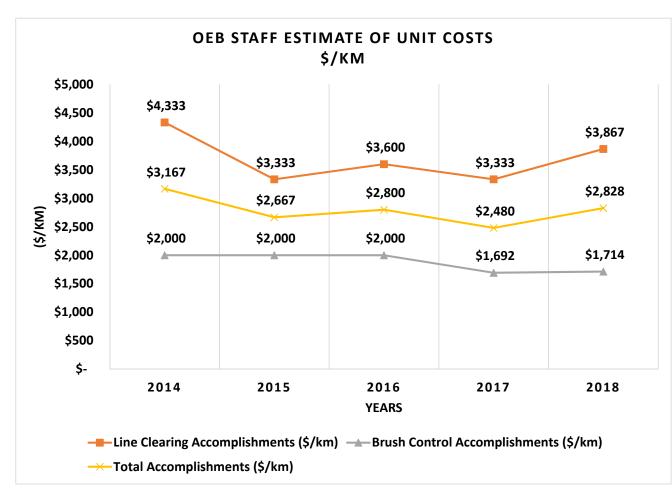
Planned N	Planned Maintenance - Power Co.						aintenance	Accomplis	hments (kil	ometres)	
Description (\$	н	istoric Yea	rs	Bridge Year	Test Year	Description	ŀ	listoric Yea	irs	Bridge Year	Test Year
Millions)	2014	2015	2016	2017	2018	(kilometres)	2014	2015	2016	2017	2018
Line Clearing	\$ 13.00	\$ 15.00	\$ 18.00	\$ 20.00	\$ 29.00	Line Clearing Accomplishments (km)	3000	4500	5000	6000	7500
Brush Control of Right-of-Way	\$ 6.00	\$ 9.00	\$ 10.00	\$ 11.00	\$ 12.00	Brush Control Accomplishments (km)	3000	4500	5000	6500	7000
Total Planned Maintenance	\$ 19.00	\$ 24.00	\$ 28.00	\$ 31.00	\$ 41.00	Total Accomplishments (km)	6000	9000	10000	12500	14500
Year over Year Growth % Line Clearing		15%	20%	11%	45%	Year over Year Growth % Line Clearing Acc.		50%	11%	20%	25%
Year over Year Growth % Brush Control		50%	11%	10%	9%	Year over Year Growth % Brush Control Acc	2	50%	11%	30%	8%
Year over Year Growth % Planned Main	tenance	26%	17%	11%	32%	Year over Year Growth % Total Acc.		50%	11%	25%	16%

#### Oral Hearing Exhibit K1.8

Interrogatory Response No. 2 - Please provide historical data for the period 2011-2013 for Unplanned and Unplanned Maintenance and Total Accomplishments. Please provide the information in table format and as a graph.

					Vegeta	tior	n Manage	eme	ent - Pow	er C	о.						
Descrip	ption						Histo	oric	Years					Bri	dge Year	Test '	<b>'</b> ear
(\$ Milli	ions)		2011		2012		2013		2014		2015		2016		2017	2	018
Unplanned Maint	tenance	\$	5.14	\$	5.42	\$	5.70	\$	6.00	\$	6.00	\$	7.00	\$	10.00	\$	10.00
Planned Mainten	nance	\$	16.29	\$	17.15	\$	18.05	\$	19.00	\$	24.00	\$	28.00	\$	31.00	\$	41.00
Total Vegitation	Management	\$	21.43	\$	22.56	\$	23.75	\$	25.00	\$	30.00	\$	35.00	\$	41.00	\$	51.00
Total Accomplish	iments (km)		4,500		4,500		5,000		6,000		9,000		10,000		12,500		14,500
					١	/eg	etation N 2011-		agement 18	:							
\$60.00 —																16,00	00
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							YEA	ARS									
		Jnplan	ned Main	tena	ince		Planned N	/lain	tenance	_	— Total A	ccon	nplishments	(km)			

Exhibit K1.9



\$/Km	2014	2015	2016	2017	2018	
Line Clearing Accomplishments (\$/km)	\$ 4,333	\$ 3,333	\$ 3,600	\$ 3,333	\$ 3,867	
Brush Control Accomplishments (\$/km)	\$ 2,000	\$ 2,000	\$ 2,000	\$ 1,692	\$ 1,714	
Total Accomplishments (\$/km)	\$ 3,167	\$ 2,667	\$ 2,800	\$ 2,480	\$ 2,828	
% increase Line clearing		-23%	8%	-7%	16%	
% increase Brush Control		0%	0%	-15%	1%	
% increase Total		-16%	5%	-11%	14%	