

## Ontario Energy Board

**IN THE MATTER OF** the *Ontario Energy Board Act, 1998*,  
S.O. 1998, c.15, (Schedule B);

**AND IN THE MATTER OF** an application by Hydro Ottawa  
Limited (“**Hydro Ottawa**”) for an order approving just and  
reasonable rates and other charges for electricity distribution  
to be effective January 1, 2016 and for each following year  
effective January 1 through to December 31, 2020;

**AND IN THE MATTER OF** Procedural Order No. 1 issued by  
the Ontario Energy Board on June 12, 2015 granting  
intervenor status to Rogers Communications Partnership,  
Quebecor Media and TELUS Communications Company  
(collectively, the “**Carriers**”);

**AND IN THE MATTER OF** Procedural Order No. 2 issued by  
the Ontario Energy Board on June 29, 2015 setting dates  
for, *inter alia*, interrogatories of the parties and the  
intervenors.

### Interrogatories of the Carriers to Hydro Ottawa

July 13, 2015

For the purpose of these interrogatories:

- (a) **“Attachers”** means Wireline Attachers and Wireless Attachers and Other Attachers;
- (b) **“Wireline Attachers”** means entities that attach wireline communications facilities within the communications space of a Pole and include without limitation telecommunications service providers, broadcasting distribution undertakings, municipal corporations and electricity generation, transmission and distribution undertakings;
- (c) **“Wireline Attachments”** means the facilities that Wireline Attachers install within the communications space on a Pole;
- (d) **“Wireless Attachers”** means those entities that attach wireless communications facilities on a Pole;
- (e) **“Wireless Attachments”** means the facilities that Wireless Attachers install on a Pole;
- (f) **“Other Attachers”** means parties other than Wireline and Wireless Attachers that attach facilities to a Pole;
- (g) **“Other Attachments”** means the facilities that Other Attachers install on a Pole;
- (h) **“Poles”** refers to those joint use poles owned by Hydro Ottawa with a dedicated communications space and a separation space that are used, or are available for use, by Wireline Attachers and Wireless Attachers; and
- (i) **“Single Use Poles”** means Hydro Ottawa poles that cannot accommodate Wireline Attachments.

## **I. Number of Poles and Attachers**

### **Carriers-01**

**Ref:** *Exhibit H, Tab 7, Schedule 1, page 5, section 3.3 - Hydro Ottawa states “As of yearend 2013, Hydro Ottawa had seven companies attaching to Hydro Ottawa poles. Telecom cables and street lighting represented the majority of attachments; however, Bell Canada and Hydro One (“HONI”) also had attachments. With the exception of HONI, which applies its own OEB-approved rate, the remaining companies pay the current, province-wide annual pole charge of \$22.35 per pole.”*

*Exhibit H, Tab 7, Schedule 1, Attachment H-7(a) (referred to herein as “Attachment H-7(a)”) which identifies 35,663 poles with attachments.*

- (a) Confirm that the 35,663 poles with attachments are all Poles with Wireline Attachments. If not, how many Poles do not have Wireline Attachments?
- (b) Indicate the year used to determine the 35,663 poles with attachments and whether this is based on the number of poles with attachments at year end or the average for the year.
- (c) Provide a list of the Wireline Attachers that currently have Wireline Attachments on one or more Poles and indicate in each case whether or not the Wireline Attacher pays Hydro Ottawa's OEB-approved pole attachment rate of \$22.35 for all of its Wireline Attachments and, if not, indicate what compensation is paid by the Wireline Attacher, if anything.
- (d) Provide a list of the Wireless Attachers that currently have Wireless Attachments on one or more Poles and indicate in each case whether or not the Wireless Attacher pays Hydro Ottawa's OEB-approved pole attachment rate of \$22.35 for all of its Wireless Attachments and, if not, indicate what compensation is paid by the Wireless Attacher, if anything.
- (e) Provide a list of the Other Attachers that currently have Other Attachments on one or more Poles, indicating for each Other Attacher the types of Other Attachments it has on Poles and whether or not the Other Attacher pays Hydro Ottawa's OEB-approved Pole attachment rate of \$22.35 for all of its Other Attachments. If the Other Attacher does not pay the OEB-approved rate of \$22.35 for all of its Other Attachments, state what compensation it does pay, if anything.
- (f) Complete the table below providing the number of Single Use Poles and Poles (at calendar year-end). Use actuals for 2010-2014 and estimates for 2015.

Types of Poles	2010	2011	2012	2013	2014	2015
Single Use Poles						
Poles with no Wireline Attachers						
Poles with 1 Wireline Attacher						
Poles with 2 Wireline Attachers						
Poles with 3 Wireline Attachers						
Poles with 4 Wireline Attachers						
Poles with 5 or more Wireline Attachers						
<b>Total number of Poles</b>						

(g) Complete the table below for Wireless Attachments on Poles.

Types of Poles	2010	2011	2012	2013	2014	2015
Poles with no Wireless Attachments						
Poles with 1 Wireless Attachment						
Poles with 2 Wireless Attachments						
Poles with 3 Wireless Attachments						
Poles with 4 Wireless Attachments						
Poles with 5 or more Wireless Attachments						
<b>Total number of Poles</b>						

(h) Complete the table below for Attachments on Poles.

Types of Poles	2010	2011	2012	2013	2014	2015
Poles with no Attachments						
Poles with 1 Attachment						
Poles with 2 Attachments						
Poles with 3 Attachments						
Poles with 4 Attachments						
Poles with 5 or more Attachments						
<b>Total number of Poles</b>						

- (i) Provide the source of the data provided in response to (f). (g) and (h), indicating whether the data are based on a census of all Hydro Ottawa poles or on a sample or some other methodology and the date of any such census, sample or other methodology. If a sample was used, provide details regarding the nature and scope of the sampling undertaken. If some methodology other than a sample or census was used, provide a detailed description of the methodology and all data sources and inputs.
- (j) Describe in detail the methodology and data inputs, including data sources, used to determine that Hydro Ottawa has 35,663 Poles with attachments.
- (k) Describe in detail the type of attachments HONI has installed on poles owned by Hydro Ottawa (i.e., their purpose of the service they provide). How many Poles have HONI attachments? Where on the pole are HONI's attachments installed?
- (l) Provide the rate that is paid by HONI for its attachments to Hydro Ottawa Poles.

- (m) Define what is meant by “telecom cables” and whether or not this term encompasses attachments by Bell Canada.
- (n) Has Hydro Ottawa installed any of its own attachments or equipment within the communications space of its Poles? If so, how many Poles have such attachments and describe the type of attachments and their purpose or service provided.
- (o) Provide the number of Poles with street lighting attachments and the name(s) of all owners of such street lighting attachments.

### **Carriers-02**

- (a) Does Hydro Ottawa currently have a joint use agreement with Bell Canada whereby Hydro Ottawa and Bell Canada have reciprocal access to one another’s poles? If yes, please provide a copy of the agreement.
- (b) Does Bell Canada pay Hydro Ottawa the OEB-approved Pole attachment rate of \$22.35 for its Wireline Attachments? If the answer is no, what compensation or other consideration does Bell Canada provide to Hydro Ottawa?
- (c) Does Hydro Ottawa provide any services to Bell Canada for work done on Poles owned by Bell Canada, for example, for maintenance related to vegetation, storm or emergency repairs? If yes, provide the amounts received by Hydro Ottawa for any such work and indicate whether the amounts received fully recover Hydro Ottawa’s expenditures for the work.
- (d) Does Bell Canada provide any services to Hydro Ottawa for work done on Poles owned by Hydro Ottawa, for example, for maintenance related to vegetation, storm or emergency repairs? If yes, provide the amounts received by Bell Canada for any such work.
- (e) Does Hydro Ottawa have any joint use agreements with any third party other than Bell Canada (for example, HONI) that provide for reciprocal access to one another’s poles? If yes, provide the information identified in (a) and (d) for all such agreements.
- (f) Is Hydro Ottawa aware of any plans by any entity which would significantly increase the number of Wireline Attachments or Other Attachments on the Poles such as, for example, the recently announced plan by Bell Canada to roll out new fibre facilities on 80,000 poles in Toronto? If so, please describe the plan and how many Poles may be potentially affected.

### **Carriers-03**

- (g) Provide the following information:
- (i) a map of Hydro Ottawa owned fibre;
  - (ii) the number of Hydro Ottawa owned fibre cable kilometers (i.e., not fibre strand kilometers);
  - (iii) the number of Poles used for Hydro Ottawa owned fibre;
  - (iv) a map of City of Ottawa owned fibre;
  - (v) the number of City of Ottawa owned fibre cable kilometers (i.e., not fibre strand kilometers); and
  - (vi) the number of Poles used for City of Ottawa owned fibre.

## **II. Allocation Factor**

### **Carriers-04**

**Ref:** *Attachment H-7(a) which states that Hydro Ottawa has applied an allocation factor of 25.9% based on two third party attachers.*

- (a) Provide a detailed description of the basis for using 2 third party attachers, including all data inputs and the sources of all such data inputs.
- (b) Complete the table below indicating the dimensions (in feet) for the space on a Pole used by Hydro Ottawa to generate an allocation factor of 25.9%.

Buried Portion	
Clearance Space	
Communications Space	
Separation Space	
Power Space	
Total length of Pole	

- (c) Indicate whether or not street lights are located in the separation space and, if not, identify the space(s) on a Pole where street lights are located.

- (d) Indicate whether power facilities, such as transformers, ever encroach on, or are attached in, the separation space on the Poles.
- (e) Provide all steps in the calculation and all data inputs used to determine an allocation factor of 25.9%.

### **Carriers-05**

**Ref:** *Exhibit B, Tab 1, Schedule 2, Updated June 29, 2015, page 94 of 319*

- (a) Explain whether the pole attachment rate proposed by Hydro Ottawa will apply to:
  - (i) Wireless Attachments;
  - (ii) equipment related to traffic lights and traffic flow; or
  - (iii) poles operated by Hydro Ottawa but owned by third parties.
- (b) If the proposed pole attachment rate will not apply to any of above, provide the rates and charges that will apply.
- (c) Provide the revenues associated with each of the attachment types identified in (a) above, for the years 2013 to 2016 inclusive.

## **III. Average Embedded Cost and Net Embedded Cost**

### **Carriers-06**

**Ref:** *Attachment H-7(a) which identifies a net embedded cost per pole of \$1,678.00.*

- (a) For each of the years 2010-2015 (actuals for 2010-2014 and estimates for 2015), provide Hydro Ottawa's average embedded cost per pole. Identify the categories, descriptions and values of all asset accounts (both aggregate and sub-accounts) used to determine the average embedded cost and the total number of poles used to determine a per pole cost, if applicable.
- (b) For each of the years 2010-2015 (actuals for 2010-2014 and estimates for 2015), provide Hydro Ottawa's net embedded cost per pole. Identify the categories, descriptions and values of all asset accounts (both aggregate and sub-accounts) used to determine the net embedded cost, as well as the total number of poles used to determine a per pole cost, if applicable.
- (c) Describe in detail the methodology, including applicable cost inputs, that was used to determine the net embedded cost per pole of \$1678.00. Describe the manner in which the costs of power-specific or power-only assets were excluded

from the calculation. Include all supporting evidence, assumptions and calculations employed.

- (d) Confirm that all of Hydro Ottawa's costs to replace poles for whatever reason are included in the average and net embedded cost of a pole.

### **Carriers-07**

- (a) Confirm that the net embedded cost per pole of \$1,678 is based on the net book value of the "Poles, Towers & Fixtures" (account # 1830) provided in *Exhibit B, Tab 2, Schedule 1, Appendix 2-BA*, page 2 of 9. If not, identify the source and derivation of the net embedded cost.
- (b) Reconcile the net embedded cost per pole of \$1,678 with the net book value of the "Poles, Towers & Fixtures" (account # 1830) provided in *Exhibit B, Tab 2, Schedule 1, Appendix 2-BA*, page 2 of 9 or other source identified in (a). Provide all calculations and source references to enable replication of the calculations.
- (c) Provide the calculation used to determine net embedded cost per pole of \$1,678, and separately identify each of the following for fiscal year ends 2012 and 2013:
- (i) gross assets
  - (ii) accumulated depreciation
  - (iii) net assets
  - (iv) depreciation expense
- (d) Provide the amounts from each of the following accounts used to determine the net embedded cost per pole of \$1,678.00.

<b>1830</b>	<b>Poles, Towers and Fixtures</b>
1830-3	Poles, Towers and Fixtures - Subtransmission Bulk Delivery
1830-4	Poles, Towers and Fixtures – Primary
1830-5	Poles, Towers and Fixtures – Secondary
<b>1835</b>	<b>Overhead Conductors and Devices</b>
1835-3	Overhead Conductors and Devices - Subtransmission Bulk Delivery
1835-4	Overhead Conductors and Devices – Primary
1835-5	Overhead Conductors and Devices – Secondary
<b>1840</b>	<b>Underground Conduit</b>
1840-3	Underground Conduit - Bulk Delivery
1840-4	Underground Conduit – Primary
1840-5	Underground Conduit – Secondary
<b>1845</b>	<b>Underground Conductors and Devices</b>
1845-3	Underground Conductors and Devices - Bulk Delivery
1845-4	Underground Conductors and Devices – Primary
1845-5	Underground Conductors and Devices – Secondary



1850	Line Transformers
1855	Services
1860	Meters

## IV. Depreciation Expense

### Carriers-08

**Ref:** *Attachment H-7(a) which identifies a depreciation expense per pole of \$43.29.*

- Reconcile the depreciation expense per pole of \$43.29 with amortization expense provided in *Exhibit D, Tab 3, Schedule 1, Amortization Expense* column. Identify the year and provide all calculations used to perform the reconciliation.
- For each of the years 2010-2015 (actuals for 2010-2014 and estimates for 2015), provide Hydro Ottawa's depreciation expense per pole. Identify the categories, descriptions and values of all asset accounts (both aggregate and sub-accounts) used to determine the depreciation expense per pole, as well as the total number of poles used to determine a per pole cost, if applicable.
- Describe in detail the methodology, including applicable cost inputs, that was used to determine the depreciation expense per pole of \$43.29. Describe the manner in which the costs of power-specific or power-only assets were excluded from the calculation. Include all supporting evidence, assumptions and calculations employed.

### Carriers-09

- Is the expected life of Hydro Ottawa pole 45 years? If not, provide the expected life of such poles and indicate why it differs from 45 years.
- Provide the number of poles that are currently at or near end-of-life.
- Provide the number of poles that remain in use and are fully depreciated. Indicate whether or not these poles have been included in the count of poles used to determine the net embedded cost per pole and the depreciation expense per pole used to determine the proposed pole attachment rate.
- Provide the number of poles that have been, or will be replaced, in 2015 pursuant to: (i) a proactive replacement program; (ii) another capital program. Identify the nature of the capital program(s) for these replacements.
- Complete the table below with respect to poles replaced as part of a proactive replacement program.

	2010	2011	2012	2013	2014
Number of poles replaced					
Percentage of poles replaced					
Percentage of poles replaced that are beyond their expected life					

(f) Complete the following table.

	2015	2016	2017	2018	2019
Number of poles to be replaced					
Number of poles to be replaced that are beyond their expected life					

(g) Is it Hydro Ottawa's practice to automatically replace all poles that are older than their expected useful life?

## V. Capital Carrying Cost

### **Carriers-10**

**Ref:** *Attachment H-7(a) which identifies a capital carrying cost per pole of \$112.43.*

- Confirm whether or not the capital carrying cost of \$112.43 per pole is based on a weighted average cost of capital of 6.70%. If not, identify the weighted average cost of capital that was used. Explain in detail why 6.70% or some other weighted average cost of capital has been used.
- Provide the capital structure and cost of capital in the same format provided in *Appendix 2, Tab OA Capital Structure*, used for the calculation of the capital carrying costs per pole of \$112.43.

## VI. Pole Maintenance Expense

### Carriers-11

**Ref:** *Attachment H-7(a) which identifies a pole maintenance expense per pole of \$12.61.*

- (a) Provide a detailed description of all activities undertaken as part of “pole maintenance”, including the tasks performed, the employee categories involved, the hourly wages, vehicle costs and time required to complete each task.
- (b) Provide a detailed description of the methodology, assumptions and all data inputs (and data sources), including the number of poles, used to generate a “pole maintenance” expense of \$12.61 per pole.
- (c) Indicate whether the costs of “pole maintenance” that are attributable to power-only assets were excluded from the calculation leading to the figure \$12.61. If yes, explain and demonstrate how these costs were excluded. Indicate whether the costs of maintaining Single Use Poles were excluded from the same calculation. If yes, explain and demonstrate how these costs were so excluded. In both cases, provide the methodology, assumptions and calculations used.
- (d) Indicate whether tree trimming costs are included in the pole maintenance expense. If yes, confirm that Wireline Attachers are required to perform their own or pay separately for tree trimming in respect of their attachments and provide all amounts paid to Hydro Ottawa by third parties for tree trimming for each year from 2010 to 2015.
- (e) For each year from 2010 to 2015, provide all amounts paid to Hydro Ottawa by third parties for any activities included in pole maintenance expense (excluding tree trimming) for each year from 2010 to 2015.
- (f) Complete the table below with respect to the costs associated with the maintenance expenses for each of the years 2010 to 2015, using actuals for 2010-2014 and estimates for 2015. Provide the sources and supporting data for the values used to populate the table.

	2010	2011	2012	2013	2014	2015
Total pole maintenance expenses						
Number of poles						
Total pole maintenance expenses per pole						

## VII. Administration Cost

### **Carriers-12**

**Ref:** *Attachment H-7(a) which identifies “Admin” costs of \$3.96 per Pole relating to the following three functions: (1) Invoicing, (2) GIS Tracking and (3) Permit.*

- (a) Describe in detail the activities performed for the three functions identified and the type and category of employee used to perform the tasks and the associated hourly wages.
- (b) Provide a detailed description of the information contained in any database that contains GIS tracking information collected by Hydro Ottawa, including a listing of the fields in the database and the manner in which the data in the fields has been collected.
- (c) Indicate whether or not the Admin costs stated are in respect of only Poles with one or more Wireline Attachments.
- (d) Describe in detail the methodology and data sources and inputs used to determine the hourly rate of \$95.00.
- (e) Describe in detail the methodology and data sources and inputs used to determine the 16 hours attributed to the “Invoicing” function.
- (f) Describe in detail the methodology and data sources and inputs used to determine the 167 hours attributed to the “GIS Tracking” function.
- (g) Describe in detail the methodology and data sources used to determine the \$123,906.00 attributed to “Permit” costs.
- (h) Using the table below, please provide the historical and estimated Admin Costs, broken down by function. Use actuals for 2010-2014 and estimates for 2015.

	2010	2011	2012	2013	2014	2015
- Invoicing						
- GIS Tracking						
- Permit						
Total Admin Costs						
# of poles used in calculation						
<b>Admin Costs per pole</b>						

## VIII. Loss in Productivity Cost

### **Carriers-13**

**Ref:** Attachment H-7(a) which identifies costs for the following four functions:

- Pole Replacement – Field Verification
- Pole Replacement – Returning Crew
- Field Verification – Wires Down
- Field Verification – Tree on Wires

- (a) Please describe in detail the activities performed for the above four functions including the tasks performed and the types and categories of employees involved and the associated hourly wages.
- (b) Describe in detail the methodology, data sources and data inputs used to determine the number of hours of labour identified for each of the four functions.
- (c) Complete the table below with respect to loss in productivity costs for the years 2010-2015, using actuals for 2010-2014 and estimates for 2015.

LIP Costs	2010	2011	2012	2013	2014	2015
<b>Pole Replacement</b>						
Field Verification						
Returning Crew						
# of poles affected						
<b>Field Verification</b>						
Wires Down						
Tree on Wires						
# of poles affected						
<b>Total LIP Costs per pole</b>						

- (d) Hydro Ottawa uses a labour rate of \$95 per hour. Provide the comparable labour rates for each of the years 2012 to 2015 inclusive.
- (e) Describe in detail the methodology, data sources and data inputs used to determine the "rate/amount" identified for "Small Vehicle Time" for each of the four functions.
- (f) Explain the variations for "Small Vehicle Time" in the Rate/ Amount column.

### **Carriers-14**

**Ref:** *Attachment H-7(a) which identifies costs for pole replacement*

- (a) Describe in detail the methodology, data sources, data inputs and year used to determine that 808 poles with attachments were replaced. Provide the number of poles with attachments that were replaced in each year from 2010-2015 (estimate for 2015).
- (b) Where five or more adjacent poles were subject to "Field Verification" activity, identify the locations of the poles and the number of poles for each location.
- (c) Where five or more adjacent poles were subject to "Returning Crew" activity, identify the locations of the poles and the number of poles for each location.
- (d) Do the costs for pole replacement and the number of poles replaced include poles for which Hydro Ottawa received payment to replace (e.g., customer requested replacements or relocations, make ready work to accommodate Wireline Attachers)? If so, provide the amount of revenues received and the

corresponding number of poles replaced for each of the years indicated in the table above.

- (e) Regarding the "Returning Crew", is the same crew employed for installing the new pole, transferring the hydro attachments and removing the old pole?
- (f) Provide a detailed description of the differences in crew, equipment, time and number of visits required to complete pole replacements of Single Use Poles or poles without Wireline Attachments as compared to poles with Wireline Attachments.
- (g) Confirm that it is Hydro Ottawa's practice to replace a group of poles within a given area (e.g., on the same street or within the same neighbourhood) at the same time rather than replacing each pole in that area individually at separate times. Indicate how many of the 808 poles identified as being replaced were replaced along with a group of contiguous poles in the same area.

### **Carriers-15**

**Ref:** *Attachment H-7(a) which identifies costs for field verification*

- (a) Describe the nature of "Wires Down" and explain why they are associated with pole attachment costs, including and an explanation whether "Wires Down" refers to exclusively to telecommunications cable or any type of wires and how the nature of the "Wires Down" was determined.
- (b) Describe in detail the methodology, data sources, data inputs and year used to determine the 115 reported "Wires Down" and 251 reported "Tree on Wires", including if these wires were Wireline Attachments and, if so, how this was determined. Provide the number of reported "Wires Down" and "Tree on Wires" for each year from 2010-2015 (estimate for 2015).
- (c) Where five or more adjacent poles were subject to "Wires Down" activity, identify the locations of the poles and the number of poles for each location.
- (d) Describe the nature of "Tree on Wires" and explain why they are associated with pole attachment costs, including and an explanation whether "Tree on Wires" refers to exclusively to trees on telecommunications cable or any type of wires and how the nature of the "Tree on Wires" was determined.
- (e) Where five or more adjacent poles were subject to "Tree on Wires" activity, identify the locations of the poles and the number of poles for each location.

## IX. Revenues

### Carriers-16

- (a) Complete the table below with respect to revenues from pole attachments for each of the years 2011 to 2016.

	2011	2012	2013	2014	2015 (estimate)	2016 (estimate)
No. of Wireline Attachers						
No. of Wireline Attachments						
Pole Attachment Fee	\$22.35	\$22.35	\$22.35	\$22.35		
Revenues from Wireline Attachers						
No. of Wireless Attachers						
No. of Wireless Attachments						
Pole Attachment Fee						
Revenues from Wireless Attachers						
No. of Other Attachers						
No. of Other Attachments						
Pole Attachment Fee						
Revenues from Other Attachers						

- (b) Provide the underlying data inputs used to derive the estimated revenue from pole attachments for 2015; specifically, the number of Wireline and Other Attachers per Pole, the number of Poles with billable Wireline and Other Attachments and the total billable Wireline and Other Attachments. Include in the response supporting evidence and assumptions employed.



## **X. Process for Attaching to Poles (Applications, Permits)**

### **Carriers-17**

- (a) Provide a detailed description of the process, including all steps involved, for a Wireline Attacher to receive approval to install:
  - (i) its first Wireline Attachment on a Pole; and
  - (ii) each subsequent Wireline Attachment.
- (b) Further to response (a), provide copies of all forms, permit applications or similar documents that Hydro Ottawa requires Wireline Attachers to complete.
- (c) Does Hydro Ottawa charge a Wireline Attacher a separate fee to review and process applications, and issue permits, to install a Wireline Attachment on a Pole?
- (d) If the answer to (c) is “yes”, (i) what is the current value of that fee for each permit application and (ii) provide the total annual revenues received in respect of such permit fees for each of the years 2010 through 2014, and estimated for 2015.
- (e) Confirm that a request from a Wireline Attacher to install Wireline Attachments on a Pole is subject to that Pole having sufficient space or structural integrity to accommodate the Attachment (i.e., spare capacity). Is the determination of whether there is spare capacity on a Pole made solely by Hydro Ottawa? If not, please identify any other party that may participate in the determination of whether there is spare capacity on a Pole.
- (f) If no spare capacity is available for the Wireline Attachment, confirm that there is a process by which Hydro Ottawa will modify or replace the Pole to accommodate the Wireline Attachment, subject to the Wireline Attacher paying for all costs associated with such work (i.e., make ready). Confirm that all such costs are included in the average and Net Embedded Cost of a Pole identified by Hydro Ottawa for purposes of its requested pole attachment rate.
- (g) Further to (f), provide the total annual revenues received from Wireline Attachers for make-ready work for each of the years 2010 through 2014, and estimated for 2015.
- (h) If Hydro Ottawa has a template (or templates) of the support structure agreements it requires Wireline Attachers and Other Attachers to enter into, provide copies of all such templates.

## **XI. Miscellaneous Issues**

### **Carriers-18**

**Ref:** *Attachment H-7(a).*

- (a) Confirm that "Total Cost per Pole with attachments per year" of \$56.26 is an annual cost.
- (b) Explain why Hydro Ottawa is seeking an initial pole attachment rate of \$57.00 when the calculations require only a rate of \$56.26.