



By RESS and Email

September 2, 2022

Ms. Nancy Marconi  
Registrar  
Ontario Energy Board  
PO Box 2319  
2300 Yonge Street, 27<sup>th</sup> Floor  
Toronto, ON, M4P 1E4

Dear Ms. Marconi:

**Subject: Contested Hydro One Networks Inc. Service Area Amendment Application**  
**626 Principale Street, Casselman**  
**OEB File: EB-2022-0234**

Hydro Ottawa Limited ("Hydro Ottawa") hereby submits a Contested Service Area Amendment Application ("SAA Application") in response to Hydro One Networks Inc. ("Hydro One") SAA Application filed August 18, 2022 to amend Hydro Ottawa (ED-2002-0556) service territory and distribution licence.

In addition, the OEB sent Hydro Ottawa a letter dated August 24, 2022 requesting information as it related to the customer connection at 626 Principale Street, Casselman. Hydro Ottawa's responses have been provided in Attachment 1 to this letter.

Hydro Ottawa requests a formal hearing of this Application.

Hydro Ottawa has filed the Application and supporting materials via the Ontario Energy Board's (OEB) Regulatory Electronic Submission System ("RESS").

Please do not hesitate to contact me if you require anything further.

Sincerely,

DocuSigned by:

*April Barrie*

1E403775748B4CB...

**April Barrie**

**Director, Regulatory Affairs**

**Directeur, Affaires réglementaires**

[aprilbarri@hydroottawa.com](mailto:aprilbarri@hydroottawa.com)

Tel./tél.: 613 738-5499 | ext./poste 2106

Cell.: 613 808-3261

Cc: Joanne Richardson, Director, Regulatory Affairs, Hydro One Networks Inc.  
Pasquale Catalano, Sr. Regulatory Advisor, Hydro One Networks Inc.  
Helen Guo, Manager, Industry Policy and Compliance, Ontario Energy Board  
Claudio Bertone

**Attachment 1****2**

In follow-up to the OEB's request for information, dated August 24, 2022, Hydro Ottawa offers the following responses:

**1. The date when Hydro Ottawa was first approached by the customer regarding the electrical supply for the subject property.**

Hydro Ottawa was first approached by the municipality of Casselman on May 31, 2021. Subsequently, Hydro Ottawa reached out to the developer, acting for the customer on June 8, 2021. Hydro Ottawa advised Hydro One about the development on June 9, 2021 to ensure both parties could supply an offer to connect should that be the result of further analysis. Hydro Ottawa was not initially provided the required servicing documents from the customer.

Please see Section 7.0 Introduction of the SAA Application for a more detailed timeline.

**2. Please confirm if the customer has submitted a connection request to Hydro Ottawa. If yes, please provide the date when Hydro Ottawa received such Request.**

The customer did not formally request a connection from Hydro Ottawa. Hydro Ottawa and Hydro One met with the customer on April 29, 2022 to explain the SAA process and subsequently Hydro Ottawa requested project documentation. In follow-up to this meeting, the customer submitted their documents to Hydro Ottawa on May 20, 2022 in order for Hydro Ottawa to prepare a connection offer. This same date, Hydro Ottawa contacted the customer to confirm receipt of the documents and discuss the information provided to incorporate into Hydro Ottawa's connection offer.

**3. The date(s) when Hydro Ottawa responded to the customer's connection Request.**

Hydro Ottawa provided the customer with an OTC on August 26, 2022. Prior to that, Hydro Ottawa reached out to the customer to clarify certain information provided.

Please see Section 7.0 Introduction of the SAA Application for a more detailed timeline.

**4. Has Hydro Ottawa provided the customer with an OTC or cost estimate? If yes, please provide a copy of the OTC/cost estimate.**

Yes, the customer was provided an OTC on August 26, 2022. A copy is provided in the contested SAA document, Attachment F.

**5. Hydro Ottawa's past communication with this customer regarding this Connection.**

All communications on the future (permanent) serving of 626 Principale Street has been with the developer. Upon being advised by the municipality (May 31, 2021) that a new facility was going to be developed at 626 Principale Street, Hydro Ottawa reached out to the developer on June 8, 2021 and Hydro One on June 9, 2021. On June 11, 2021, Hydro Ottawa provided the customer with supply

## Attachment 1

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information. A meeting with the developer, Hydro One and Hydro Ottawa was held on April 29, 2022 to provide information on the SAA process and with the respective information requirements.

#### 6. Is there any other information you wish the OEB to know about this matter?

The provision of electrical service to 626 Principale Street, Casselmam involves two related, however specific needs. The first need was to ensure there is a service connection at the facility by October, 2022, when the business is expected to begin operations. Secondly, since the parcel of land involved straddles the service areas of Hydro Ottawa and Hydro One, each distributor needed to assess the economic efficiencies associated with providing a permanent connection from their respective systems and to make an Offer to Connect to the customer. Of note, the service connection is located in Hydro Ottawa's service territory and the facility is also primarily located in Hydro Ottawa's service territory.

In terms of the temporary connection, Hydro Ottawa confirmed to Hydro One on April 29, 2022 that it could not provide a connection to the customer by October, 2022 and, so, it was agreed that Hydro One would proceed to service the facility by October, 2022 on a temporary basis, as noted in the meeting minutes attended by Hydro Ottawa, Hydro One and the customer.

With reference to EB-2015-0006 amending the distribution system code, the OEB confirmed that "temporary arrangements (under 12 months) that were necessary to accommodate construction projects. would not be considered as load transfers under the DSC. However, the arrangements must be temporary in nature (less than 12 months) and necessary only to ensure continuity of service to customers during construction projects. They cannot be long-term or permanent and they cannot be used by a geographic distributor in order to expand its system to connect customers."<sup>1</sup> Hydro Ottawa's ability to service this customer in less than 12 months of the temporary connection satisfies the OEB's requirement; therefore, progress on the temporary Hydro One connection is independent of their SAA application.

It is unclear if the developer (Claudio Bertone) and the final customer (Ford Motor Company of Canada, Limited) were aware that Hydro Ottawa could support the customer connection without risk, through a temporary connection from Hydro One. Further, it is not clear if the final customer, Ford Motor Company of Canada, Limited supports the SAA.

It is also unclear, when the developer supported the SAA, if the final customer responsible for future electricity costs, was aware of the financial implication on their bills and the rate differential between the two distributors. The customer's response also suggests that obtaining a timely connection in October, 2022 may have been a factor in their decision to support Hydro One's SAA.

Table 1, below provides Hydro Ottawa's estimate of a monthly bill from both utilities. As presented, it is estimated that if the customer is served by Hydro Ottawa they will save approximately \$18.6k per month (or \$223k per year). This translates to \$3.4M less in bill costs over the revenue horizon, of which \$3.2M relates to distribution alone.

<sup>1</sup> EB-2015-0006, Notice of Amendments to Distribution System Code, pages 3-4, December 21, 2015

**Attachment 1****4****Table 1 - Estimated Monthly Bill Comparison<sup>2</sup>**

	Hydro Ottawa Estimated Per Month Charges	Hydro One Estimated Per Month Charges <sup>3</sup>	Monthly Difference (negative represents lower Hydro Ottawa charges)	Revenue Horizon Difference (15 Years <sup>4</sup> )
Distribution	\$7,488	\$25,312	(\$17,824)	(\$3,208,255)
Total Bill	\$48,961	\$67,548	(\$18,586)	(\$3,345,543)

Based on distribution charges alone, it is estimated that the customer will pay 3.4 times more if served by Hydro One.

<sup>2</sup> Analysis uses 2022 rates without temporary rates and charges with estimated load of 1,300 KW and 255,500 kWh.

<sup>3</sup> Hydro Ottawa has estimated what a Hydro One bill may be, however a calculation provided by Hydro One could result in a different amount.

<sup>4</sup> Based on a simple calculation of the monthly amount multiplied by 12 months multiplied by 15 years.

**Service Area Amendment Application**

**Hydro Ottawa Limited**

**And**

**Hydro One Networks Inc.**

## 7.0 INTRODUCTION

*This application for a Service Area Amendment is structured and follows the minimum filing requirement for SAA assigned by the Ontario Energy Board. The section numbers follow the filing requirement of the base reference.*

This application for a contested service area amendment (“SAA”) addresses mainly the preservation of Hydro Ottawa Ltd.'s (“Hydro Ottawa”) service territory with an expansion of an adjacent smaller property into Hydro One Networks Inc. (“Hydro One”) service territory. This application affects one (1) new General Service Customer.

The customer is at 626 Principale Street and lies along the south border of Hydro Ottawa’s service territory, which also aligns with the municipality of Casselman’s south border. The border is defined by Concession Road 7. At Concession Road 7, Principale Street transitions to St Albert Road, which marks where Hydro Ottawa’s service territory and the municipality of Casselman boundaries end to the south. The additional property is to the east of Hydro Ottawa service territory, prior to the train tracks along Concession Road 7.

If served by Hydro Ottawa, it is estimated that the customer will experience an estimated \$17.8k per month less in distribution charges and will experience comparable reliability.

Through this application it will be shown that it is cost effective for Hydro Ottawa to serve 626 Principale Street, Casselman.

Please see a chronology of the timeline and actions taken by Hydro Ottawa:

- On May 31, 2021 the municipality of Casselman reached out to Hydro Ottawa regarding a development at 626 Principale Street.
- On June 8, 2021 Hydro Ottawa approached the customer confirming that a connection could be made, requested a load summary and other documentation and notified the customer that the property included Hydro One service territory and that Hydro Ottawa would discuss the connection with Hydro One.
- On June 9, 2021 Hydro Ottawa advised Hydro One of the development as the customer was on a territory boundary.
- On June 11, 2021 Hydro Ottawa confirmed to the customer that Hydro Ottawa could supply a customer owned transformation up to a 3000 amp 347/600 volt 80 % rated service on a radial feed.
- Meetings and discussion regarding the connection occurred throughout 2021 internally as well as with Hydro One, however the customer did not provide documentation to Hydro Ottawa in order to facilitate an offer.
- On August 31, 2021 Hydro One informed Hydro Ottawa it would be able to service the customer from their 8kV system and requested if Hydro Ottawa intends to consent to the SAA. As the customer’s official load summary was not available the economic efficiency could not be assessed.
- On October 21, 2021 Hydro Ottawa asked Hydro One for their estimated cost of service.

- November 2, 2021 Hydro One confirmed a temporary service had been provided to the customer.
- On November 23, 2021 Hydro One provided Hydro Ottawa its estimated cost of service.
- On December 17, 2021 Hydro One followed-up with Hydro Ottawa by email to see if Hydro Ottawa intended to consent to the SAA. Unfortunately Hydro Ottawa did not see the email until a later date. However, a customer official load summary was still not provided and, therefore, the economic efficiency could not be assessed.
- On March 3, 2022 Hydro Ottawa notified Hydro One that Hydro Ottawa would contest the SAA application as it relates to 626 Principale Street, Casselman. With the absence of the customer's specific project documentation and details, the assessment was based on the understanding of the requested development's service size. Please refer to Attachment G.
- On March 21, 2022 a meeting was held with Hydro One to discuss the status update in providing permanent service to 626 Principal St, Casselman.
- On March 31, 2022 Hydro Ottawa reached out to Hydro One to ensure Hydro Ottawa had the most recent customer contact information.
- On April 25, 2022 Hydro One provided the updated contact information for the customer. Please refer to Attachment E.
- On April 27, 2022 Hydro One set-up a meeting between the three parties.
- On April 29, 2022 Hydro Ottawa and Hydro One met with the customer to explain the SAA process and subsequently Hydro Ottawa requested project documentation.
- On May 20, 2022 the customer submitted their documents to Hydro Ottawa in order for Hydro Ottawa to prepare a connection offer. This same date, Hydro Ottawa contacted the customer to confirm receipt of the documents and discuss the information provided to incorporate into Hydro Ottawa's connection offer.
- Hydro Ottawa is not aware of when the documentation was provided to Hydro One to complete their offer to connect.
- On May 21, 2022 Hydro Ottawa experienced an unprecedented major weather event in the form of a Derecho. The emergency response diverted system planning team members to storm recovery for approximately three weeks.
- On June 27, 2022 Hydro Ottawa and Hydro One met, at which time Hydro Ottawa was provided Hydro One's cost of servicing information.
- On June 30, 2022 Hydro Ottawa inquired to Hydro One's Winchester office for the estimated system expansion costs. Hydro Ottawa followed up with different Hydro One staff on July 11, 2022.
- On July 11, 2022 Hydro Ottawa received Hydro One's estimated system expansion costs, which was the final information Hydro Ottawa required in order to complete its economic evaluation.
- On July 26, 2022 a member of Hydro One's regulatory team emailed Hydro Ottawa to request support in obtaining a letter of consent. The email clearly indicated that Hydro One was aware that Hydro Ottawa would contest the SAA application.
  - Specifically, it states "My Dx folks tell me that this has been discussed several times between our organizations, with folks in your team ... and that Hydro Ottawa would be consenting to the SAA". Please see Attachment E.
- As requested by Hydro One, Hydro Ottawa's regulatory group spoke with Hydro Ottawa's operational team to confirm Hydro Ottawa would be contesting the SAA.
- As previously advised, Hydro Ottawa's regulatory group confirmed in an email to Hydro One on August 12th Hydro Ottawa's intention to contest Hydro One's SAA application. Hydro Ottawa also promoted the facilitation of a coordinated SAA application process.

- The August 12 email, which was in response to a request for support from Hydro One on July 26, has been incorrectly cited as Hydro One being “officially informed”, when evidence confirms that Hydro One was previously aware that Hydro Ottawa was planning to contest Hydro One’s SAA application.
- On August 26, 2022 Hydro Ottawa sent the developer an offer to connect. Please see Attachment F.

As outlined above, Hydro Ottawa facilitated the appropriate process when it was informed that a new customer was requesting connection along the border of its service territory. Simply not supporting an SAA Application of another electricity distributor does not constitute interference with an offer to connect a customer.

## **7.1 BASIC FACTS**

### **GENERAL**

#### **7.1.1 (a)**

*Provide the contact information for the applicant  
Contact information includes the name, postal address, telephone number, and, where available, the email address and fax number of the person*

#### **The Applicant:**

Hydro Ottawa Limited  
2711 Hunt Club Road  
PO Box 8700  
Ottawa, ON, K1G 3S4

#### **Contact:**

Laurie Elliott, Manager - Regulatory Policy and Compliance  
Email: [Regulatoryaffairs@hydroottawa.com](mailto:Regulatoryaffairs@hydroottawa.com)  
Telephone: (613) 738-5499 x2508

#### **7.1.1 (b)**

*Provide the contact information for the incumbent distributor  
Contact information includes the name, postal address, telephone number, and, where available, the email address and fax number of the person*

#### **The Incumbent Distributor or Co-Applicant:**

Hydro One Networks Inc.  
483 Bay Street, 8th Floor, South Tower  
Toronto, ON, M5G 2P5

#### **Contact:**

Pasquale Catalano  
Email: [Regulatory@hydroone.com](mailto:Regulatory@hydroone.com)  
Telephone: (416) 345-5405

**7.1.1 (c)**

*Provide every affected customer, landowner, and developer in the area that is the subject of the SAA Application  
Contact information includes the name, postal address, telephone number, and, where available, the email address and fax number of the person*

**The Registered Owner/Developer or Customer(s):**

Ford Motor Company of Canada, Limited  
Parts Distribution Operations

Claudio Bertone  
200 1285 Hodge St, Ville St Laurent, QC, H4N 2B6  
Telephone: (514) 758-9545  
Email address: [cbertone@bertone.ca](mailto:cbertone@bertone.ca)

**7.1.1 (d) & (e)**

*Provide any alternate distributor other than the applicant and the incumbent distributor, if there are any alternate distributors bordering on the area that is the subject of the SAA application; and any representative of the persons listed above including, but not limited to, a legal representative*

There are no alternate distributors or other parties affected by this SAA.

**REASONS FOR APPROVAL OF THIS AMENDMENT**

**7.1.2**

*Indicate the reasons why this amendment should occur and identify any load transfers eliminated by the proposed SAA.*

Hydro Ottawa provides the following reasons as to why the proposed SAA should occur and would benefit Hydro Ottawa's customer base and the customer at 626 Principale Street, Casselman.

1. Hydro Ottawa has the ability to connect the customer's main facility which is primarily in Hydro Ottawa's service territory and within the municipality of Casselman.
2. The customers estimated future revenue is higher than the cost to connect the customer. Therefore there is no cost to the new customer or Hydro Ottawa's existing customers.
3. The additional load of the customer would result in better utilization of station capacity for which Hydro Ottawa and its customers have already invested in.
4. Maintaining Hydro Ottawa's service territory will assist in preserving the alignment of

Hydro Ottawa's service territory with the municipality of Casselman and provide a contiguous extension of Hydro Ottawa's service territory to the North of the property, resulting in a more perceivable boundary.

5. If served by Hydro Ottawa, it is estimated that the customer will experience an estimated \$17.8k per month (\$213.8k per year) less in distribution charges. Over the same revenue horizon that determined that the customer's future load justifies the cost of the connection, the customer is estimated to experience \$3.2M less in distribution charges. It is estimated that the customer will pay 3.4 times more if served by Hydro One than Hydro Ottawa.
6. The customer will experience similar reliability regardless of which distributor serves them.

## DESCRIPTION OF PROPOSED SERVICE AREA

### 7.1.3

*Provide a detailed description of the lands that are the subject of the SAA application. For SAA applications dealing with individual customers, the description of the lands should include the lot number, the concession number, and the municipal address of the lands. The address should include the street number, municipality and/or county, and postal code of the lands.*

*For SAA applications dealing with general expansion areas, the description of the lands should include the lot number and the concession number of the lands, if available, as well as a clear description of the boundaries of the area (including relevant geographical and geophysical features).*

Part 1 of Registered Plan 50R-5720 Township of Cambridge now in the Village of Casselman, County of Russell.

Part 1 and 2 of Registered Plan 50R-2204 Township of Cambridge, County of Russell.

Part 1 and 2 of Registered Plan 50R-9383 (Geographic Township of Cambridge) Now the Nation Municipality, County of Russell.

Property Identification Numbers (PIN):

690210105

690210134

690210006

690210142

Map and description of the proposed area of the customer's electrical service connection is found in Attachments A, B, and C. Registered plans have been included as Attachment D.

### 7.1.4

*Provide one or more maps or diagrams of the area that is the subject of the SAA application.*

For Section 7.1.4 (a), (b), (d), (e), (f) – please refer to Attachments A – D.

**7.1.4 (a)*****Borders of the applicant's service area***

The customer at 626 Principale Street lies along the South Border of Hydro Ottawa's service territory, which also aligns with the municipality of Casselman's south border. The border is defined by Concession Road 7 which abuts both Hydro Ottawa's service territory and the municipality of Casselman's border.

At Concession Road 7, Principale Street transitions to St Albert Road, which marks where Hydro Ottawa's service territory and the municipality of Casselman boundaries end to the south.

**7.1.4 (b)*****Borders of the incumbent distributor's service area***

Hydro One's service is predominantly outside the municipality of Casselman, with the exception of amendments related to the LTLT eliminations. The north east territory abuts Hydro Ottawa's south east boundary and is separated by Concession Road 7, where Principale Street transitions to St Albert Road. There are minimal properties to the east of Hydro Ottawa's service territory along the south side of Concession Road 7 and prior to the train tracks along Concession Road 7.

**7.1.4 (c)*****Borders of any alternate distributor's service area***

There are no alternate distributors in the surrounding service area.

**7.1.4 (d)*****Territory surrounding the area for which the applicant is making SAA application***

The South East border of the municipality of Casselman and Hydro Ottawa service territory.

**7.1.4 (e)*****Geographical and geophysical features of the area including, but not limited to, rivers and lakes, property borders, roads, and major public facilities***

The customer's property is at the corner of Principale Street and Concession Road 7. At Concession Road 7, Principale Street transitions to St Albert. In addition Concession Road 7 transitions to Aurele Road at Principale Street. To the north is Highway 417 and to the east are train tracks.

**7.1.4 (f)**

*Existing facilities supplying the area that is the subject of the SAA application, if applicable, as well as the proposed facilities which will be utilized by the applicant to supply the area that is the subject of the SAA application (Note: if the proposed facilities will be utilized to also provide for expansion of load in the area that is the subject of the SAA application, identify that as well)*

There are no existing facilities permanently supplying the subject property. Hydro One has 8.32kV overhead distribution feeders along Principale Street and Concession Road 7. Hydro Ottawa has 8.32kV overhead distribution feeders at Principale Street and LaFleche Boulevard. Hydro Ottawa would extend this system approximately 850m south to support the applicant.

## **DISTRIBUTION INFRASTRUCTURE IN AND AROUND THE PROPOSED AMENDMENT AREA**

### **7.1.5**

*Provide a description of the proposed type of physical connection (i.e., individual customer; residential subdivision, commercial or industrial development, or general service area expansion).*

The SAA addresses one new commercial customer connected at 8.32kV. The customer estimated load aligns with Hydro Ottawa's General Service 50 to 1,499 KW rate class.

### **7.1.6**

*Provide a description of the applicant's plans, if any, for similar expansions in lands adjacent to the area that is the subject of the SAA application.  
Provide a map or diagram showing the lands where expansions are planned in relation to the area that is the subject of the SAA application.*

Hydro Ottawa has no current expansion plans for lands adjacent to the area that is the subject of the SAA application.

## **7.2 EFFICIENT RATIONALIZATION OF THE DISTRIBUTION SYSTEM**

*The proposed SAA will be evaluated in terms of rational and efficient service area realignment. This evaluation will be undertaken from the perspective of economic (cost) efficiency as well as engineering (technical) efficiency.*

*Applicants must demonstrate how the proposed SAA optimizes the use of existing infrastructure. In addition, applicants must indicate the long term impacts of the proposed SAA on reliability in the area to be served and on the ability of the system to meet growth potential in the area. Even if the proposed SAA does not represent the lowest cost to any particular party, the proposed SAA may promote economic efficiency if it represents the most effective use of existing resources and reflects the lowest long run economic cost of service to all parties.*

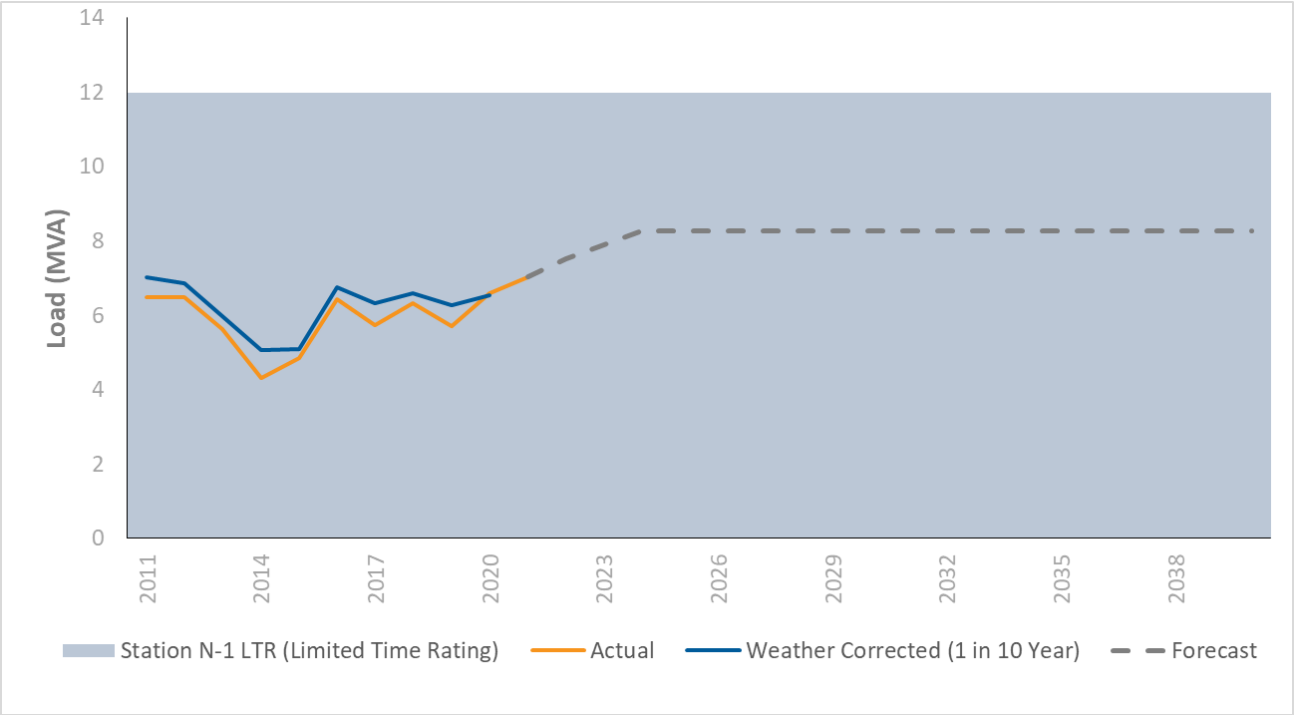
The municipality of Casselman has seen a reduction of load through CDM initiatives in the last decade and limited growth in recent years. Currently, the area's growth is forecasted with small commercial/residential projects and larger subdivision plans in the north and north-west areas of the municipality. However, the limited growth results in Hydro Ottawa's Casselman substation still

being underutilized as seen in Figure 1 below. The substation and distribution system were constructed to service the whole municipality, of which includes the subject customer at 626 Principale Street, Casselman. The load of this customer would result in better utilization of station capacity for which Hydro Ottawa and its customers have already invested in to support the Casselman service territory. Allowing Hydro One to service this customer reduces the economic feasibility of appropriate revenues from sources within the municipality and service territory of Hydro Ottawa to support the distribution system which Casselman relies on.

In addition, maintaining 626 Principale Street will result in maintaining the alignment of Hydro Ottawa’s service territory with the municipality of Casselman and provide a contiguous extension of Hydro Ottawa’s service territory to the North of the property, resulting in a more perceivable boundary.

The Municipality of Casselman has announced that it is in the process of proposing a Community Improvement Plan for the area south of highway 417, as a result the pole upgrades are likely to support this initiative and will provide Hydro One an opportunity to size the pole for a third circuit should it be needed to support future growth. Additionally, the pole line upgrade will provide Hydro Ottawa the opportunity to continue providing service to future customers within its service territory.

Figure 1: Hydro Ottawa’s Casselman Substation Historical and Forecasted Load



ECONOMIC AND ENGINEERING EFFICIENCY

7.2.1

***In light of the above, provide a comparison of the economic and engineering efficiency for the applicant and the incumbent distributor to serve the area that is the subject of the SAA application.***  
 (NOTE: (a), (b), (c), (d), (e), (f), (g), (h))

### 7.2.1 (a)

***Location of the point of delivery and the point of connection***

This customer will be served by Hydro Ottawa's Casselman F1 (CASF1) 8.32kV distribution feeder. The point of connection is planned to be at the southwest corner of the property with an overhead to underground riser feeding customer owned equipment.

### 7.2.1 (b)

***Proximity of the proposed connection to an existing, well developed electricity distribution system***

Hydro Ottawa will require expanding the CASF1 feeder to the customer's point of connection. Currently at this location there exists a Hydro One 8.32kV feeder.

### 7.2.1 (c)

***The fully allocated connection costs for supplying the customer (i.e., individual customers or developers) unless the applicant and the incumbent distributor provide a reason why providing the fully allocated connection costs is unnecessary for the proposed SAA***  
 (Note: the Board will determine if the reason provided is acceptable).

The connection costs are currently estimated to be \$700,000 for system expansion and \$15,000 for connection assets. The customer will only be responsible for the \$15,000 in connection costs as the future revenue is forecast to more than offset the expansion costs.

### 7.2.1 (d)

***The amount of any capital contribution required from the customer***

The customer will be required to pay the connection assets cost of \$15,000 noted in 7.2.1(c). The system expansion costs are estimated to be fully offset through an economic evaluation per the Distribution System Code. This amount will be collected through a performance guarantee and released to the customer as their load materializes over the connection horizon.

### 7.2.1 (e)

***Costs for stranded equipment (i.e., lines, cables, and transformers) that would need to be de-energized or removed***

Not applicable.

### 7.2.1 (f)

*Information on whether the proposed SAA enhances, or at a minimum does not decrease, the reliability of the infrastructure in the area that is the subject of the SAA application and in regions adjacent to the area that is the subject of the SAA application over the long term*

The proposed system expansion is not in a forested area and the customer will be connected to the main distribution system using a fused switch for protection. Therefore the proposed SAA does not decrease the reliability to the infrastructure in the area.

#### **7.2.1 (g)**

*Information on whether the proposed infrastructure will provide for cost-efficient expansion if there is growth potential in the area that is the subject of the SAA application and in regions adjacent to the area that is the subject of the SAA application*

While not currently forecasted, the expanded system will enable Hydro Ottawa to achieve more economic service growth in adjacent areas, as compared to the infrastructure Hydro Ottawa currently has.

#### **7.2.1 (h)**

*Information on whether the proposed infrastructure will provide for cost-efficient improvements and upgrades in the area that is the subject of the SAA application and in regions adjacent to the area that is the subject of the SAA application.*

Not applicable.

### **7.3 IMPACTS ARISING FROM THE PROPOSED AMENDMENT DESCRIPTION OF IMPACTS**

#### **7.3.1**

*Identify any affected customers or landowners.*

Refer to section 7.1.1(c).

#### **7.3.2**

*Provide a description of any impacts on costs, rates, service quality, and reliability for customers in the area that is the subject of the SAA application that arise as a result of the proposed SAA. If an assessment of service quality and reliability impacts cannot be provided, explain why.*

It is estimated that if this application is approved, the distribution rates paid by this customer will be lower than if they are transferred to Hydro One. No impacts are expected on service quality and reliability. The customer's forecasted revenue will offset any additional cost.

#### **7.3.3**

***Provide a description of any impacts on costs, rates, service quality, and reliability for customers of any distributor outside the area that is the subject of the SAA application that arise as a result of the proposed SAA. If an assessment of service quality and reliability impacts cannot be provided, explain why.***

With the customer contributing 100% of the connection asset costs and their forecasted revenues offsetting 100% of the system expansion costs through the economic evaluation, there is no expected bill impact to Hydro Ottawa customers.

No impacts are expected on service quality and reliability.

Hydro One customers may benefit from the expansion work. This assumption is based on the fact that no residual value appears to be provided to Hydro Ottawa in the Hydro One quote related to the pole line upgrade. As such, it is assumed the poles have reached the end of their financial useful life and Hydro Ottawa will be taking on the replacement costs, which is offset by the customers future revenue, to replace them.

#### 7.3.4

***Provide a description of the impacts on each distributor involved in the proposed SAA. If these impacts have already been described elsewhere in the application, providing cross-references is acceptable.***

Please refer to section 7.1.2 bullets 3 and 4.

The customer's forecasted load would result in better utilization of station capacity for which Hydro Ottawa and its customers have already invested in.

This would assist in maintaining the alignment of Hydro Ottawa's service territory with the municipality of Casselman and provide a contiguous extension of Hydro Ottawa's service territory to the North of the property, resulting in a more perceivable boundary.

Refer to map and description in Attachments A and B.

#### 7.3.5

***Provide a description of any assets which may be stranded or become redundant if the proposed SAA is granted.***

Not applicable.

#### 7.3.6

***Identify any assets that are proposed to be transferred to or from the applicant. If an asset transfer is required, has the relevant application been filed in accordance with section 86 of the Act? If not, indicate when the applicant will be filing the relevant section 86 application.***

No assets will be transferred as a result of this SAA.

### 7.3.7

***Identify any customers that are proposed to be transferred to or from the applicant.***

There are no existing customers that will be transferred as a result of the Application.

### 7.3.8

***Provide a description of any existing load transfers or retail points of supply that will be eliminated.***

There will be no load transfers or retail points of supply eliminated by the Application.

### 7.3.9

***Identify any new load transfers or retail points of supply that will be created as a result of the proposed SAA. If a new load transfer will be created, has the applicant requested leave of the Board in accordance with section 6.5.5 of the Distribution System Code ("DSC")? If not, indicate when the applicant will be filing its request for leave under section 6.5.5 of the DSC with the Board. If a new retail point of supply will be created, does the host distributor (i.e., the distributor who provides electricity to an embedded distributor) have an applicable Board approved rate? If not, indicate when the host distributor will be filing an application for the applicable rate.***

There will be no new load transfers or retail points of supply created as a result of the Application.

## EVIDENCE OF CONSIDERATION AND MITIGATION OF IMPACTS

### 7.3.10

***Provide written confirmation by the applicant that all affected persons have been provided with specific and factual information about the proposed SAA. As part of the written confirmation, the applicant must include details of any communications or consultations that may have occurred between distributors regarding the proposed SAA.***

The customer has been provided with specific and factual information about the proposed SAA. However, it is unclear if the final customer has all the relevant information. It also appears the customer/developer's letter is based on a misunderstanding that the customer may not otherwise be connected should Hydro One's SAA application not be approved. Lastly, it is not clear from the letter if the final customer has been provided rates of both distributors.

Prior to this SAA application, Hydro Ottawa and Hydro One discussed the ability to service the customer. Hydro One has submitted a SAA application dated August 18, 2022.

### 7.3.11

***Provide a letter from the incumbent distributor in which the incumbent distributor indicates that it consents to the application.***

Hydro Ottawa is the incumbent distributor as the customer's electrical connection resides within

Hydro Ottawa's service territory. However, a portion of the site for the new customer does reside in Hydro One service territory which will need to be amended. Hydro One has not consented by way of their SAA application made on August 18, 2022.

As discussed Hydro Ottawa contests Hydro One's SAA application made on August 18, 2022.

### 7.3.12

*Provide a written response from all affected customers, developers, and landowners consenting to the application, if applicable.*

While Hydro Ottawa has been in communication with the customer (via the developer), in order to avoid further confusion relative to Hydro One's SAA application, Hydro Ottawa has not requested consent for the application from the customer.

### 7.3.13

*Provide evidence of attempts to mitigate impacts where customer and/or asset transfers are involved (i.e., customer rate smoothing or mitigation, and compensation for any stranded assets).*

Not applicable.

## 7.4 CUSTOMER PREFERENCE

### 7.4.1

*An applicant who brings forward an application where customer choice may be a factor must provide a written statement signed by the customer (which includes landowners and developers) indicating the customer's preference.*

Please refer to 7.3.12

It is unclear if the customer letter provided by Hydro One represents a preference of both the developer/customer and the final customer. It also appears the letter is based on a misunderstanding that the customer may not otherwise be connected. Lastly, it is not clear from the letter if the final customer has been provided rates of both distributors.

## 7.5 ADDITIONAL INFORMATION REQUIREMENTS FOR CONTESTED APPLICATIONS

*If there is no agreement among affected persons regarding the proposed SAA, the applicant must file the additional information set out below.*

### 7.5.1

*If the application was initiated due to an interest in service by a customer, landowner, or developer, evidence that the incumbent distributor was provided an opportunity to make an offer to connect that customer, landowner, or developer.*

Hydro One has provided the customer a basic connection agreement as included in their SAA application dated August 18, 2022.

### 7.5.2

***Evidence that the customer, landowner, or developer had the opportunity to obtain an offer to connect from the applicant and any alternate distributor bordering on the area that is the subject of the SAA application.***

Hydro Ottawa provided the customer an offer to connect dated August 26, 2022.

Hydro One provided the customer a basic connection agreement as included in their SAA application dated August 18, 2022.

### 7.5.3

***Actual copies of, as well as a summary of, the offer(s) to connect documentation (including any associated financial evaluations carried out in accordance with Appendix B of the Distribution System Code). The financial evaluations should indicate costs associated with the connection including, but not limited to, on-site capital, capital required to extend the distribution system to the customer location, incremental up-stream capital investment required to serve the load, the present value of incremental OM&A costs and incremental taxes as well as the expected incremental revenue, the amount of revenue shortfall, and the capital contribution requested.***

Hydro Ottawa's offer to connect has been included in Attachment F. An economic evaluation has been completed on the system expansion costs of \$700,000. As the estimated revenue that will offset the costs, no contribution is required by the customer. A summary of which has been included in Attachment G.

### 7.5.4

***If there are competing offers to connect, a comparison of the competing offers to connect the customer, landowner, or developer.***

The comparison of the offer to connects to the customer are:

Hydro Ottawa

Capital contribution for connection assets = \$15,000

Capital contribution for system expansion = \$0

Performance guarantee for system expansion = \$700,000

Hydro One

Capital contribution for connection assets = \$6,971.52

Capital contribution for system expansion = \$0

Performance guarantee for system expansion = \$0

Should the customer temporarily be connected to Hydro One, the servicing equipment would be reconnected to Hydro Ottawa's extended system and the full \$15,000 estimate would not be required.

### 7.5.5

*A detailed comparison of the new or upgraded electrical infrastructure necessary for each distributor to serve the area that is the subject of the SAA application, including any specific proposed connections.*

Hydro Ottawa requires Hydro One to upgrade its pole line along Principale Street in order for Hydro Ottawa to extend its electrical system south to connect to the customer. Hydro One does not require an expansion to its electric system to connect to the customer.

As noted in Hydro One's SAA Application, some Hydro Ottawa service area in the proximity of 626 Principale Street, Casselman was previously transferred to Hydro One as part of the long-term load transfer ("LTLT") elimination process. The previous eliminations do not determine that future SAAs are required. Rather, it demonstrates Hydro Ottawa's prudent steps in the past which should not hinder Hydro Ottawa from maintaining service territory where cost effective.

Hydro Ottawa's previous actions lend to the evidence that Hydro Ottawa recognized when an SAA was reasonable. Had 626 Principal Street or a similarly larger customer load been part of the historical analysis, Hydro Ottawa may have maintained the properties previously transferred.

In Hydro One's SAA Application they note previous consented SAA applications outside the LTLT elimination process. Hydro Ottawa has likewise taken the approach to consent to SAA applications, resulting in Hydro Ottawa's service territory being transferred to Hydro One, when reasonable. Specifically Hydro Ottawa consented to Hydro One's SAA to service 5545 Albion Road South. This further supports that in this case, 626 Principale Street, Hydro Ottawa's cost benefit analysis did not support Hydro One's SAA application.

### 7.5.6 OUTAGE STATISTICS IN TERMS OF RELIABILITY (EXISTING)

*Outage statistics or, if outage statistics are not available, any other information regarding the reliability of the existing line(s) of each distributor that are proposed to supply the area that is the subject of the SAA application.*

Including interruptions during Force Majeure

	2019	2020	2021	2022 (Jan-Jul)
Frequency of Interruptions	1.00	2.00	1.03	1.00
Duration of Interruptions (Hours)	1.35	1.78	0.68	24.00

Excluding interruptions during Force Majeure

	2019	2020	2021	2022 (Jan-Jul)
Frequency of Interruptions	1	2.0	1.03	0
Duration of Interruptions (Hours)	1.35	1.78	0.68	0

Excluding interruptions during Force Majeure and Loss of Supply

	2019	2020	2021	2022 (Jan-Jul)
--	------	------	------	----------------

Frequency of Interruptions	0	1.00	0.03	0
Duration of Interruptions (Hours)	0	0.03	0.13	0

### 7.5.7

***Quantitative evidence of quality and reliability of service for each distributor for similar customers in comparable locations and densities to the area that is the subject of the SAA application.***

Casselman F4 has being used as a comparable area.

Including interruptions during Force Majeure

	2019	2020	2021	2022(Jan-Jul)
Frequency of Interruptions	1.00	1.40	1.04	2.30
Duration of Interruptions (Hours)	1.35	3.45	0.53	24.55

Excluding interruptions during Force Majeure

	2019	2020	2021	2022(Jan-Jul)
Frequency of Interruptions	1.00	1.40	1.04	1.30
Duration of Interruptions (Hours)	1.35	3.45	0.53	0.55

Excluding interruptions during Force Majeure and Loss of Supply

	2019	2020	2021	2022(Jan-Jul)
Frequency of Interruptions	0	0.40	0.04	0.32
Duration of Interruptions (Hours)	0	1.77	0.07	0.32

## 7.6 OTHER

***It is the sole responsibility of the Applicant to provide all information that is relevant and that would assist the Board in making a determination in this matter. Failure to provide key information may result in a delay in the processing of the application or in the denial of the application.***

Through this application it has been shown that it is cost effective for Hydro Ottawa to serve 626 Principale Street, Casselman.

As outlined in this application, Hydro Ottawa facilitated the appropriate process when it was informed that a new customer was requesting connection along the border of its service territory. Simply not supporting an SAA Application of another electricity distributor does not constitute interference with an offer to connect a customer.

Hydro Ottawa disagrees with Hydro One's request for no hearing.

## 7.7 WRITTEN CONSENT/JOINT AGREEMENT

Hydro Ottawa Limited agrees to all the statements made in the Application.

DocuSigned by:  
*April Barrie*  
1E403775748B4CB...

**Director – Regulatory Affairs,  
Hydro Ottawa Limited**

**Dated: September 2, 2022**

**REQUEST FOR NO HEARING**

**Does the applicant request that the application be determined by the Board without a hearing? If yes, please provide:**

- (a) an explanation as to how no person, other than the applicant and the proposed recipient, will be adversely affected in a material way by the outcome of the proceeding**
  - AND**
  - (b) the proposed recipient's written consent to the disposal of the application without a hearing.**
-

## **LIST OF ATTACHMENTS**

### **ATTACHMENT 'A'**

- Hydro Ottawa Licence Map

### **ATTACHMENT 'B'**

- Amended Hydro Ottawa Licence Description

### **ATTACHMENT 'C'**

- Site servicing plan with Hydro Ottawa and Hydro One existing/proposed boundary overlay

### **ATTACHMENT 'D'**

- Site Registered Plans

### **ATTACHMENT 'E'**

- Hydro One email

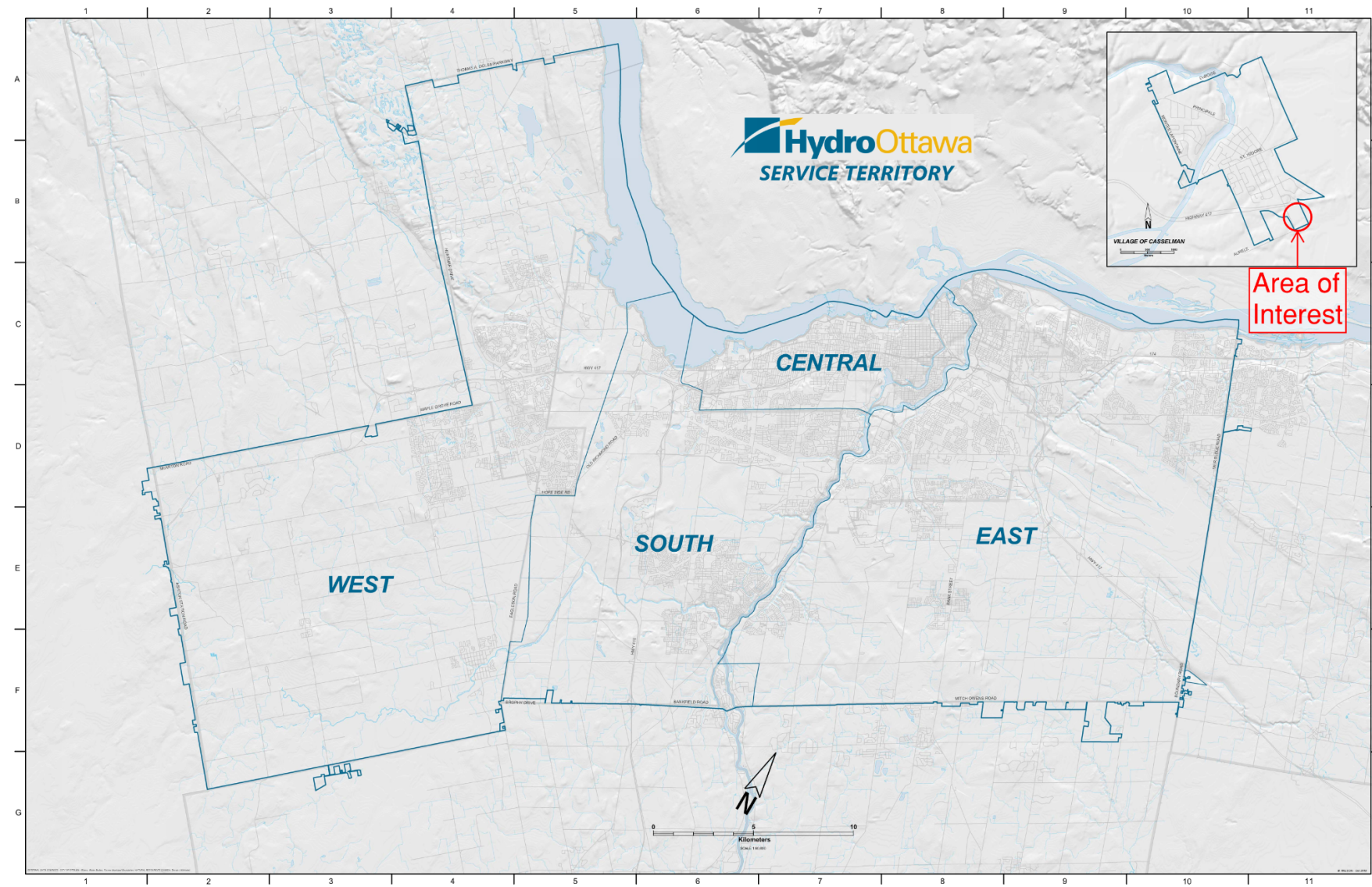
### **ATTACHMENT 'F'**

- Hydro Ottawa Offer to Connect

### **ATTACHMENT 'G'**

- Hydro Ottawa email

ATTACHMENT A

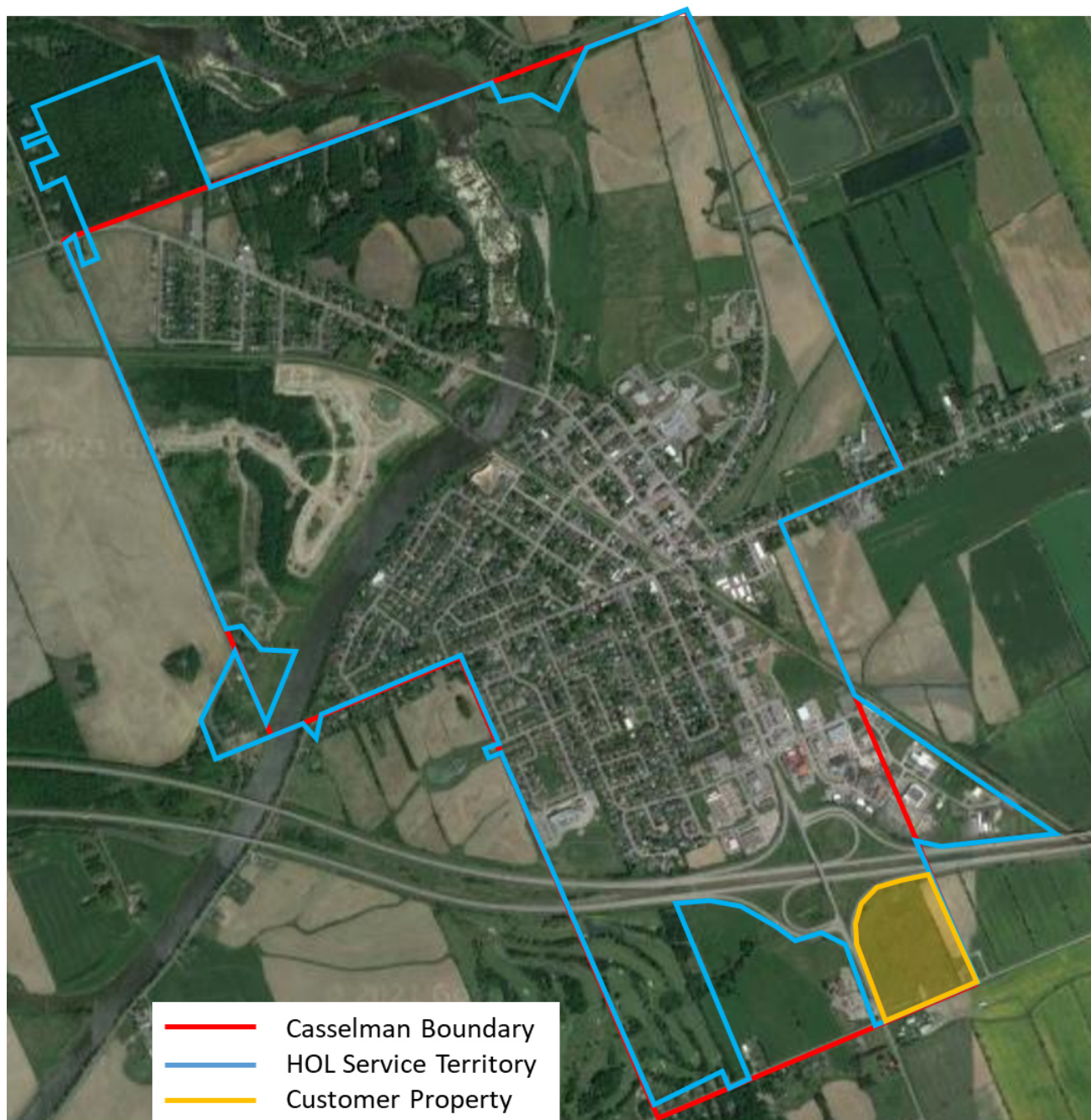


## ATTACHMENT B

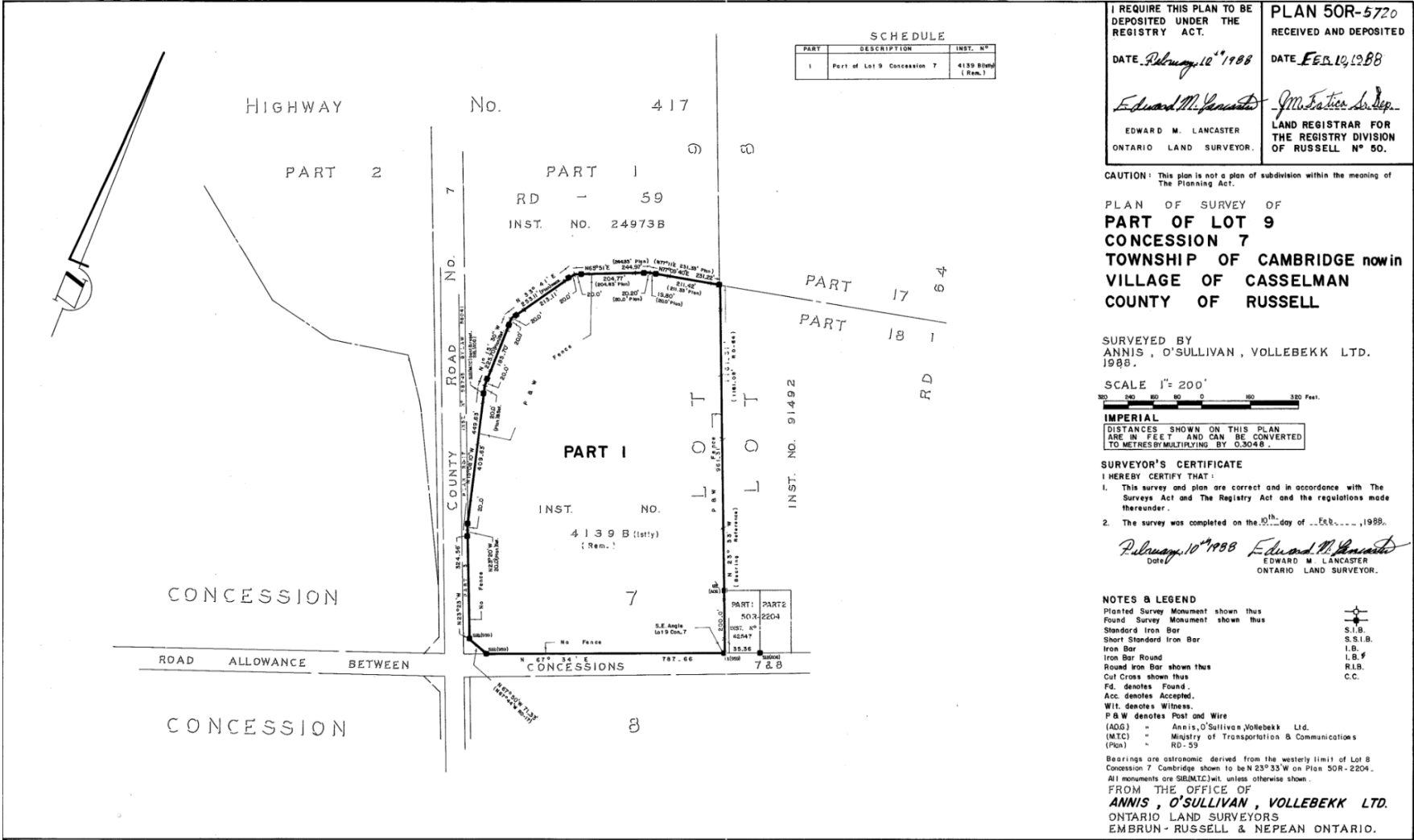
Add to Hydro Ottawa Limited's Electricity Distribution Licence ED-2002-0556 Schedule 1 Table 1:

Civic Address		Property Identification Number (PIN)
646	Concession Road 7	690210134
646	Concession Road 7	690210006
646	Concession Road 7	690210142

ATTACHMENT C



ATTACHMENT D



DAN R. VOLLEBEKK O.L.S.

*D.K. Campbell*  
DEPUTY  
LAND REGISTRAR FOR THE  
REGISTRY DIVISION OF  
RUSSELL N° 50.

SCALE 1 : 500

ALL MEASUREMENTS SHOWN ON THIS PLAN  
ARE IN METRES AND MAY BE CONVERTED  
TO FEET BY DIVIDING BY 0.3048

All hanging lines have been verified  
Standard Iron Bar(0.025sq.X1.2) shown thus  
Short Standard Iron Bar(0.025sq.X0.6) shown thus  
Short Iron Bar(0.015sq.X0.6) shown thus  
Round Iron Bar(0.06"x0.6) shown thus  
Round Iron Bar shown thus  
Cut Cross shown thus  
Iron Pipe shown thus  
Fd. denotes found  
Acc. denotes accepted  
Wit. denotes witness  
P & W denotes post and wire  
Bearings are astronomic derived from the southern  
limit of Part 18 shown to be N67°32'E on Plat  
959 denotes H.S. Meldrum O.L.S.  
M.T.C. denotes Ministry of Transportation and Comm

S.S.I.B.

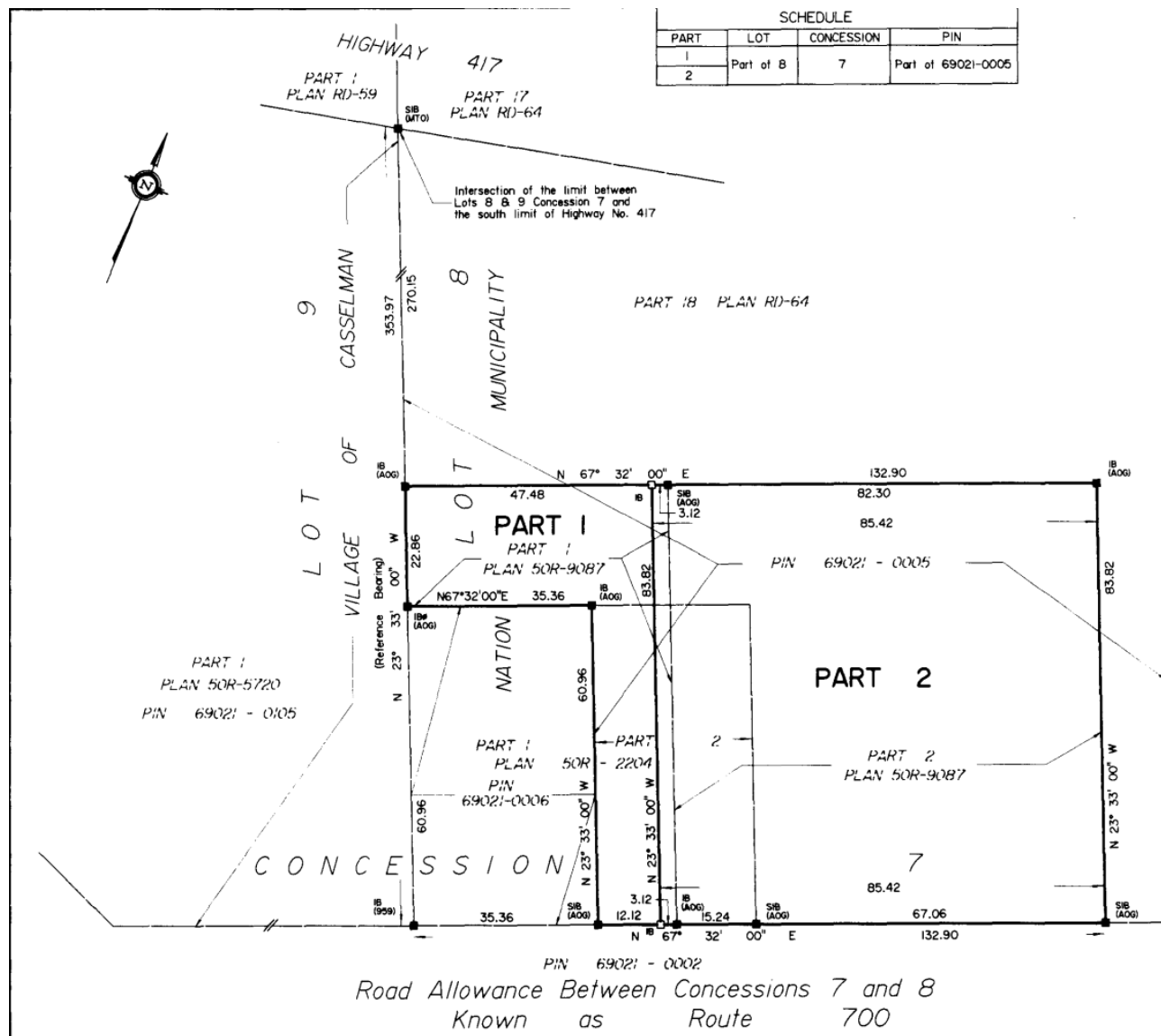
I HEREBY CERTIFY THAT :

1. This survey and plan are correct and in accordance with The Surveys Act and The Registry Act and the regulations made thereunder.
2. The survey was completed on the 27<sup>th</sup> day of JULY, 1978.

August 3, 1978  
Date

DAN R. VOLLEBEKK O.L.S.

24



SCHEDULE			
PART	LOT	CONCESSION	PIN
1	Part of B	7	Part of 69021-0005
2			

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.  
 DATE Nov 10/06

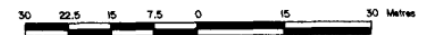
**PLAN 50R-9383**  
 RECEIVED AND DEPOSITED  
 DATE November 10, 2006

Gordon A. Ray  
 GORDON A. RAY  
 ONTARIO LAND SURVEYOR

Doris Tremblay ALC  
 LAND REGISTRAR FOR THE  
 LAND TITLES DIVISION OF  
 RUSSELL NO. 50.

**PLAN OF SURVEY OF**  
**PART OF LOT 8**  
**CONCESSION 7**  
**(Geographic Township of Cambridge)**  
**NOW THE NATION MUNICIPALITY**  
**COUNTY OF RUSSELL**

**Scale 1 : 750**



DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

**Surveyed by**  
**ANNIS, O'SULLIVAN, VOLLEBEKK LTD.**

#### Surveyor's Certificate

I CERTIFY THAT:

- This survey and plan are correct and in accordance with The Survey Act, The Surveyors Act and The Land Titles Act and the regulations made under them.
- The survey was completed on October 26, 2006

Nov 10/06  
 Date

Gordon A. Ray  
 Ontario Land Surveyor

#### Notes & Legend

- Denotes Survey Monument Planted.
- " Survey Monument Found.
- SIB " Standard Iron Bar.
- SSIB " Short Standard Iron Bar.
- IB " Iron Bar.
- Wit. " Witness.
- (AOG) " Annis, O'Sullivan, Vollebekk Ltd.

Bearings are astronomic and are derived from the easterly Limit of Part 1 on Plan 50R-5720 shown to be N23°33'00"W thereon.



**ANNIS, O'SULLIVAN, VOLLEBEKK**  
**Ontario Land Surveyors**  
 225 INDUSTRIAL STREET, P.O. BOX 579, EMBURY, ONTARIO, K0A 1W0  
 TEL: (813) 443-3364 FAX: (813) 443-3229

Job No. E-2711-06 B

ATTACHMENT E

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On Tue, Jul 26, 2022 at 9:41 AM FLANNERY Andrew <[Andrew.Flannery@hydroone.com](mailto:Andrew.Flannery@hydroone.com)> wrote:

Hi Patrick

How is the South Nepean line and CTS looking? Its been a while, I hope this finds you well.

Is it true that Greg VD has left?

Just to follow up on a voicemail I left you this morning regarding an application Hydro One intends to file to the OEB re: Subject Area at [626 Principale St, Casselman, ON](#). I wanted to quickly touch base with you on this one, so we can facilitate connection of the customer requesting service within their desired timeline.

The urgency to file on our end is driven by us wishing to make best efforts to receive an OEB SAA approval such that Hydro One can connect that new customer by their requested In-service date, of October 2022.

My Dx folks tell me that this has been discussed several times between our organizations, with folks in your team such as Chris Murphy and Kevin Perez, and that Hydro Ottawa would be consenting to the SAA, based on Hydro One's connection cost being the most economically feasible. We were hoping to be able to receive a Letter of Consent from Hydro Ottawa to accompany our SAA filing by the end of the week.

Please let me know if you think that is possible, and feel free to reach out to me to discuss further – if needed.

Best regards

Andrew Flannery

ATTACHMENT F



August 26, 2022

Ford Motor Company of Canada, Limited  
200-1285 Hodge St.  
Vill St. Laurent, QC H4H 2B6

Via Email:        cbertone@bertone.ca

Attention:        Claudio Bertone

Re:                Ford Canada - 626 Principal Street, Casselman  
Hydro Ottawa File Number: 9202015485

Please find enclosed the agreement between the Developer and Hydro Ottawa Limited for the design and installation of the proposed new primary service at the above location.

If you would like Hydro Ottawa to proceed with this work, would you kindly sign and return the agreement along with full payment. Payment to Hydro Ottawa can be made through your bank or financial institution by telephone or online banking, credit card, electronic funds transfer or by cheque or money order. Please see page 2 of your service invoice for further instructions on payment methods. If payment is by cheque it should be mailed to 2711 Hunt Club Road, PO Box 8700, Ottawa, Ontario, K1G 3S4 to the attention of Michelle Kennedy - Finance. **Please Note – This is an estimate only and the Developer will be billed on actual costs.**

If you choose not to accept this offer, please submit a design of the Developer's installation so that Hydro Ottawa can review and create a cost estimate for the connection to the existing distribution system.

If you have any questions, comments or concerns, please do not hesitate to contact me.

Regards,

James (Jim) Badour, C.E.T.  
System Designer, Commercial Design  
Tel. / tél. 613-738-5499 | ext. / poste 7142  
Cell. 613-889-0542  
jimbadour@hydroottawa.com

**Hydro Ottawa Limited / Hydro Ottawa limitée**

2711 Hunt Club Road  
Ottawa, Ontario K1G 3S4

[www.hydroottawa.com](http://www.hydroottawa.com)

Encl:    Appendix A – Comments on Developer Submission  
         Appendix B – Letter of Credit Provisions  
         Appendix C – Electrical Loading Forecast Schedule

**Hydro Ottawa Limited / Hydro Ottawa limitée**

2711 Hunt Club Road, PO Box 8700 / chemin Hunt Club, C.P. 8700  
Ottawa, Ontario K1G 3S4

[www.hydroottawa.com](http://www.hydroottawa.com)



## INSTALLATION AND MAINTENANCE AGREEMENT

Hydro Ottawa File Number: 9202015485  
Ford Canada - 626 Principal Street, Casselman

**THIS AGREEMENT made this \_\_\_\_\_ day of \_\_\_\_\_ ,**

**BETWEEN: \_\_\_\_\_, hereinafter called the "Developer"**

**AND: HYDRO OTTAWA LIMITED hereinafter called the "Hydro Ottawa"**

- 1. HYDRO OTTAWA'S WORK** - Except for those items which, under this Agreement, are the obligation of the Developer to supply or install, Hydro Ottawa will design, supply, and install the Electrical System. More specifically, Hydro Ottawa will supply and install:
  - (i) work, as set out below and in Appendix A;
  - (ii) overhead poles and 556 MCM AL overhead conductor to the supply point;
  - (iii) riser equipment;
  - (iv) all primary cable terminations at the demarcation switch;
  - (v) metering equipment;
  - (vi) undertake all associated labour, trucking and engineering ("Hydro Ottawa's Work")

For the purpose of this Agreement, "Electrical System" means the electrical system designed, supplied, and installed by Hydro Ottawa for the purpose of providing electrical service to 626 Principal St. , Casselman. The Electrical System will consist of the following components: overhead poles, conductor, OH switches, and metering equipment.

- 2. DEVELOPER'S WORK** – The Developer shall provide reasonable advance notice to Hydro Ottawa as to the timing of the construction of a building at 626 Principal St. , Casselman (the "Developer's Project") to permit the orderly coordination of construction, installation, and energization of the Electrical System. The Developer shall arrange for the installation of civil works on private property (trenching, concrete encased duct banks) ("Developer's Work"). The Developer's Work shall be in compliance with Ontario Building Code, Ontario Electrical Safety Code, Hydro Ottawa's plans and specifications (to be developed pursuant to section 1), and Hydro Ottawa's Conditions of Service as set out on Hydro Ottawa's website at [www.hydroottawa.com](http://www.hydroottawa.com). Hydro Ottawa's decision on compliance with the aforesaid shall be final.
- 3. PLANS, DRAWINGS** - The Developer shall submit plans (namely, architectural site and landscape plans, electrical site plan, composite utility plan, electrical single line diagram, main electrical switchboard shop drawings) in a format acceptable to Hydro Ottawa. The Developer shall provide Hydro Ottawa with soil surveys, grading plans, and any other information pertaining to the Developer's Project if so requested by Hydro Ottawa. The Developer shall be responsible for providing to Hydro Ottawa written confirmation of the necessary approvals by the municipality, and any other branch or agency of the federal, provincial or municipal government or other utility whose approval or co-operation is required for the Developer's Work.
- 4. CHANGES DURING CONSTRUCTION** - The Developer shall not vary the design of the Electrical System subsequent to the commencement of construction of the Electrical System, without first submitting such variation in writing to Hydro Ottawa for approval. The Developer shall not implement any such variation unless approval in writing has been received from Hydro Ottawa.

Hydro Ottawa reserves the right to modify, by written direction and upon reasonable notice to the Developer, at any time and as circumstances require, the plans and specifications, Hydro Ottawa's Work, or the Developer's Work, to accommodate the requirements of Hydro Ottawa or the Developer, the existing or changing regulations, standards, specifications or technical requirements of the Electrical System. The Developer shall perform, or pay, the cost of such changes without accounting or compensation from Hydro Ottawa.
- 5. SURVEY MARKERS** - The Developer shall place and maintain in place, during the construction of the Developer's Project, such survey markers as may be required by Hydro Ottawa to properly locate and install the various components of the Electrical System. The Developer shall be liable for any loss, damage or additional expenditure occasioned to Hydro Ottawa as a result of said grades and survey markers not being maintained as required; unless such markers are displaced by Hydro Ottawa in the performance of Hydro Ottawa's Work.

## 6. CHARGES FOR HYDRO OTTAWA'S WORK

6.1 The cost of Hydro Ottawa's Work at 626 Principal St., Casselman is as follows:

- **An additional capital contribution in the amount of \$16,950.00 and a performance security per section 7 in the amount of \$791,000.00** for Hydro Ottawa's Work as set out in section 1 and Appendix A. *This quote is based on Hydro Ottawa completing their work during regular working hours.*
- "Electrical Forecast Loading Schedule" means the customer electrical connection time window and loading rate applied to the OEB Economic Evaluation as set out in Appendix B of Hydro Ottawa's Conditions of Service. These are required timing and electrical load factors in determining the future electrical service revenue from each customer's electrical class.
- "Net Present Value Credit" means Residential Services revenue over a 25 year horizon and Commercial Services revenue over a 15 year horizon based on the Developer's Electrical Forecast Loading Schedule minus the future operating and maintenance costs, applicable taxes, and any required third party costs as set out in Appendix B of Hydro Ottawa's Conditions of Service.

Hydro Ottawa will extend (System Expansion) the overhead 8.32 kV system to the supply point at Principal Street and Concession Road 7 in order to meet the Forecast Loading Schedule proposed by the Developer.

Site Specific Connection Asset Estimated Cost		\$15,000.00
System Expansion Estimated Cost	\$700,000.00	
Net Present Value Credit based on Electrical Forecast Loading Schedule (Appendix C)	- \$700,000.00	
Developer's Contribution Towards System Expansion Estimated Cost (without Taxes)		\$0.00
Developer's Total Contribution (without Taxes)		\$15,000.00
Applicable Taxes	+	\$1,950.00
Developer's Total Contribution (with Taxes)		\$16,950.00
Deposit Received for Preliminary Design and Long Lead Material	-	\$0.00
<b>Balance of Deposit Owed by Developer</b>		<b>\$16,950.00</b>
<b>Performance Security Owed by Developer (with Taxes)</b>		<b>\$791,000.00</b>

**Remaining design and equipment deposit shall be refunded upon the energization of the service to 626 Principal St. , Casselman.**

**This deposit is based on time and material estimates and may not reflect the total cost of the project. This offer will expire on November 25<sup>th</sup>, 2022. Construction will not commence until the final deposit has been received. A final bill will be issued upon completion of Hydro Ottawa's Work.**

The Developer shall pay Hydro Ottawa interest at a rate of 1.5% per month on overdue accounts. The Developer acknowledges that the various payments hereby required to be made are collectively, and individually, a consideration without which Hydro Ottawa would not have executed this Agreement, nor extended the electrical facilities herein contemplated to service the Developer's Project. The Developer hereby relinquishes any right it may have to demand the provision of energy from Hydro Ottawa until all payments required herein have been made, whether such right is given by common law or statute.

- 6.2 The Developer will be charged the cost of any additional designs of the Electrical System, which are necessitated by changes from the Developer.

## 7. PERFORMANCE SECURITY

- 7.1 The Developer shall provide financial security to Hydro Ottawa upon execution of this Agreement for the performance of the Developer's obligations under this Agreement, in regard to the realization of the Developer's Electrical Forecast Loading Schedule, in an amount equal to the Net Present Value Credit of the 626 Principal St. , Casselman project (see section 6.1), or any part thereof (the "Performance Security"). The Performance Security (example in Appendix B) shall be provided in the form of cash, irrevocable Letter of Credit, certified cheque, bank draft, surety bond, or other equivalent form of security instrument acceptable to Hydro Ottawa. In the event that Hydro Ottawa, in accordance with this Agreement, has recovered monies that were due to it using all or part of the Performance Security, the Developer shall forthwith provide replacement security to cover an amount equal to that recovered or paid out of the Performance Security.
- 7.2 Hydro Ottawa may draw on the Performance Security where the Electrical Forecast Loading Schedule is not realized by the Developer at the end of the duration of the connection horizon. The amount of the draw shall be determined by multiplying the amount of the Performance Security by the ratio of the electrical load not realized within the connection horizon of five (5) years after the primary service energization date to the Electrical Forecast used in the determination of the Net Present Value Credit, see Appendix C. One year after the energization date, the Developer is entitled to an annual reduction of the Expansion deposit based on the number of Connections and/or Demand that occurred during each year of the connection horizon. It is the Developer's responsibility to provide the Connection details to Hydro Ottawa for verification.
- 7.3 Hydro Ottawa shall not be required to keep the Performance Security deposit separate from its general accounts.
- 7.4 Any Letter of Credit provided shall be subject to the provisions set out in Appendix B.
- 7.5 At the end of the five (5) year connection horizon Hydro Ottawa shall return the Performance Security, or so much thereof as has not been applied by Hydro Ottawa, as aforesaid, without interest to the Developer, without limiting any of its rights or remedies under this Agreement.
- 7.6 If the Developer fails to provide a Performance Security or, at any time, fails to renew, substitute, or sufficiently increase the amount of the Performance Security, Hydro Ottawa shall have the right, without prejudice to all or any of Hydro Ottawa's other rights and remedies under this Agreement, to refuse to undertake any energization or further connections.

8. **LETTER OF CREDIT** – Any Letter of Credit provided pursuant to this Agreement shall be subject to the provisions set out in Appendix B.

9. **LIABILITY** - The Developer agrees to indemnify Hydro Ottawa against all damages, loss, actions, causes of action, suits, claims, or demands whatsoever against Hydro Ottawa arising directly, or indirectly, as a result of the Developer carrying out, or permitting to be carried out, by its express or implied consent, any work whatsoever pursuant to, or purportedly pursuant to, the terms of this Agreement. Notwithstanding the foregoing, the Developer shall not be required to indemnify Hydro Ottawa with respect to damages, loss, actions, causes of action, suits, claims or demands arising out of Hydro Ottawa's Work. The Developer shall be liable for all damage to the Electrical System caused by the Developer, its employees, representatives, contractors, subcontractors or agents. Hydro Ottawa shall be liable for all damage done to the Developer's Project and all damages, loss, actions, causes of action, suits, claims or demands arising out of Hydro Ottawa's Work caused by Hydro Ottawa, its employees, representatives, contractors, subcontractors or agents. The Developer shall provide a Certificate of Insurance to Hydro Ottawa prior to the initiation of Hydro Ottawa's Work in a form, and in an amount and with an insurance company satisfactory to Hydro Ottawa. Said policy of insurance shall insure against all damages, or claims, of damage arising of the Developer's Work and the Developer agrees that it shall be responsible for all premiums due with respect to the said policy of insurance. Hydro Ottawa retains the right to require the Developer to provide proof that all premiums of the aforesaid policy or policies of insurance have been paid and that said insurance is in full force and effect, said proof to be to the satisfaction of Hydro Ottawa.

10. **DAMAGES TO OTHER SERVICES** - The Developer shall be responsible for repairing any damages caused to any other service or utility by any activities arising directly, or indirectly, out of this Agreement, which are undertaken by the Developer. Hydro Ottawa shall be responsible for repairing any damages caused to any other service or utility by any activities arising directly, or indirectly, out of this Agreement, which are undertaken by Hydro Ottawa. The obligation of the Developer herein shall continue until a Certificate of Acceptance has been issued by Hydro Ottawa for the Developer's Work.

- 11. CONVEYANCING OF EASEMENTS** - The Developer shall grant to Hydro Ottawa, at the Developer's expense, and in a form acceptable to Hydro Ottawa, such transfer of Easement as Hydro Ottawa deems necessary. If an Easement is required by Hydro Ottawa, the legal description of the lands to be encumbered by the Easement described therein and the documents formally granting same to Hydro Ottawa shall be prepared by the Developer to the satisfaction of Hydro Ottawa and the easement shall be registered by the Developer at the expense of the Developer. A copy of the registered Transfer of Easement document, and all associated registered plans, shall be submitted to Hydro Ottawa for its records. The Developer shall also obtain written consent and acknowledgment from any mortgagee, chargee, or other encumbrancer of the Developer's Project which might rank in priority to that of Hydro Ottawa confirming the existence of the easement and postponing the interest of such mortgagees, chargees or encumbrancers to the interests of Hydro Ottawa. The Developer shall register such postponements on the title to the Developer's Project in the applicable Land Registry Office.
- 12. TITLE TO THE ELECTRICAL SYSTEM** - The Developer shall retain full title to the Electrical System until a Certificate of Acceptance has been issued by Hydro Ottawa in respect of the Developer's Work, at which time all title to the Electrical System shall be deemed transferred to Hydro Ottawa. Upon issuance of a Certificate of Acceptance for the Developer's Work, Hydro Ottawa shall assume ownership and the responsibility for operating and maintaining those parts of the Electrical System for which Hydro Ottawa has agreed to be responsible as set out in Appendix A.
- 13. TERM-** This Agreement shall commence at the time of execution by all parties thereto and shall remain in full force and effect until Hydro Ottawa has delivered to the Developer a Certificate of Acceptance for the entirety of the Developer's Work, or until this Agreement is terminated in accordance with its provisions, whichever occurs first. In the event that the Developer's Work has not commenced within one year of the time of execution of this Agreement, this Agreement will become null and void and of no further force or effect.

IN WITNESS WHEREOF the parties hereto bind their corporations under the hands of their proper signing officers authorized in that behalf, as the case may be.

**Developer**

**Hydro Ottawa Limited**

Company: \_\_\_\_\_

Name: \_\_\_\_\_

Per: \_\_\_\_\_

Date: \_\_\_\_\_

Name \_\_\_\_\_

Per: \_\_\_\_\_

Date: \_\_\_\_\_

## Appendix A – Comments on Developer Submission

**Hydro Ottawa File Number: 9202015485**  
**Ford Canada - 626 Principal Street, Casselman**

**Site Specific Electrical Servicing**

The Developer is responsible for 100% of the costs of Hydro Ottawa's Work for the proposed primary service. This includes all overhead modifications to extend electrical power to the supply point, riser equipment, all primary cable terminations at the demarcation switch, metering equipment, all associated labour, trucking and engineering costs.

The Developer is responsible for cost and installation of all civil/electrical structures on private property including concrete encased duct structures from the Hydro Ottawa supply point. All work must be completed as per Hydro Ottawa's Conditions of Service and engineering specifications. Refer to Hydro Ottawa site servicing drawing 9202015485-COM for details.

**Ownership Demarcation**

The electrical and civil ownership demarcation point and responsibilities will be as described in the table below:

Activity/Equipment	Installation / Removal	Cost Covered By	Ownership	Operating Control Authority	Maintenance
Civil Work on private property (duct structures.)	Developer	Developer	Developer	Hydro Ottawa	Developer
Civil Work in the road right of way (pole lateral)	Developer	Developer	Hydro Ottawa	Hydro Ottawa	Hydro Ottawa
55' Wooden Pole(s)	Hydro Ottawa / Hydro One	Developer	Hydro Ottawa / Hydro One	Hydro Ottawa / Hydro One	Hydro Ottawa / Hydro One
8 kV, Overhead Switch(es)	Hydro Ottawa	Developer	Hydro Ottawa	Hydro Ottawa	Hydro Ottawa
Customer owned Transformer	Developer	Developer	Developer	Hydro Ottawa	Developer
Primary Terminations on Customer owned cable	Hydro Ottawa	Developer	Hydro Ottawa	Hydro Ottawa	Hydro Ottawa
Primary Cables, Secondary Cables & Equipment to Supply Development	Developer	Developer	Developer	Developer	Developer
Metering Equipment	Hydro Ottawa	Developer	Hydro Ottawa	Hydro Ottawa	Hydro Ottawa
Dedicated Analog Phone Line / Communication Infrastructure as required by Hydro Ottawa.	Developer	Developer	Developer / Hydro Ottawa	Hydro Ottawa	Developer / Hydro Ottawa

**Easement / Access Requirements**

Hydro Ottawa shall not require an easement at this time to service the property. Hydro Ottawa requires access to the equipment 24 hours/day, 7 days/week once the service is energized for operational purposes. Hydro Ottawa's system office will give reasonable notice for this access.

**Transition From Temporary To Permanent Services**

If applicable, in order to allow a reasonable transition of power, the temporary service will be disconnected a maximum of two working days following the energization of the permanent service to the development. It should be noted that simultaneous connection of both the temporary and permanent services are subject to the requirements of the Ontario Electrical Safety Code and the Electrical Safety

## Appendix A – Comments on Developer Submission

**Hydro Ottawa File Number: 9202015485**  
**Ford Canada - 626 Principal Street, Casselman**

Authority.

### **Site Meeting Requirements**

A site meeting is required with the Developer, engineer, civil and electrical contractors prior to the service installation. The purpose of the meeting is to coordinate the work, review Hydro's engineering drawing, and define the responsibilities of all parties involved and ensure the installation of civil work and cable ducts adheres to Hydro Ottawa's specifications.

All Hydro Ottawa engineering specifications/standards referenced on the Hydro Ottawa engineering drawing are available on Hydro Ottawa's web site. <https://www.hydroottawa.com> -- go to → "Accounts & Billing" then → "Developer's Guide" then → "Commercial Design Specifications"

### **Testing Requirements**

The electrical contractor is to megger test the primary cables and guarantee that there is no short or crossover of conductors. The electrical contractor is also required to complete the test report/form available within the Hydro Ottawa Installation & Testing of Underground Primary and Secondary Power Cables Prior to Energization document GCG0001.

The Developer's electrical contractor is to supply and install grounding at the transformer as per ESA Requirements. The contractor shall arrange with the Hydro Ottawa's Inspector to have the grounding inspected and tested. Grounding resistance shall be a maximum of 25 ohms before energization of the service shall take place.

### **Other Requirements**

All third party conductive equipment, including fencing or generators, within 2.4m of the transformers must be bonded to the ground rod as per Hydro Ottawa specifications. This must take place prior to energization.

## Appendix A – Comments on Developer Submission

**Hydro Ottawa File Number: 9202015485**  
**Ford Canada - 626 Principal Street, Casselman**

**Metering Requirements**

Where available, the dedicated communication link(s) shall be a Hydro Ottawa wireless communication system. Where the wireless communication system is not available or a non-wireless meter has been requested by the Developer, the Developer shall provide a dedicated analogue telephone line.

Metering equipment will be installed in accordance with Hydro Ottawa Metering Specification GCS0008 , which is available on Hydro Ottawa's website, and will be inspected by the Electrical Safety Authority. Please contact Hydro Ottawa's metering department for the proper metering regulations for your project. Please keep in mind that the meter department requires adequate time for installation of metering equipment in the Developer's switchboard.

Metering equipment is based on DDMAC Electrical consultants single line diagram E-001.

- 1 x 3000A 347/600V @80% – Main Meter (Phone line or modem required)

**Security Deposit**

Please refer Hydro Ottawa Limited Conditions of Service Section 2.4.3, Security Deposits.

**Calculation of Security Deposit Amount**

The amount of your security deposit is calculated using your average bill amount over the most recent 12 consecutive months within the past two years. Your deposit amount will be 2.5 times your average monthly bill. If you have less than 12 months of billing history, we estimate your security deposit amount based on your service size (voltage/ampereage) and load type, see the table below.

Customer Class	Default Security Deposit Amount
Residential	No Deposit Required
Commercial <50kW (Small Commercial)	\$900
Commercial (C1) 50 – 1000 kW	\$13,000
Commercial (C2) 50 – 1000 kW (Interval)	\$39,000
Commercial (C3) 1000 – 1500 kW (Interval)	\$109,000
Commercial (C4) 1500 – 5000 kW (interval)	\$234,000
Commercial >5000 kW	Refer to Collections

**Paying by Installments**

Your security deposit amount will appear on your electricity bill and must be paid in full. Once the total amount is paid, you will no longer see the security deposit amount on your bill.

Monthly installments, to a maximum of four, are available upon request with one of Hydro Ottawa's Customer Service agents.

**Deposit Waiver**

When opening an account, you may qualify for a deposit waiver or reduction based on the following criteria:

- You have already demonstrated a good payment history with Hydro Ottawa or can provide a letter confirming a satisfactory payment history from another electricity or gas Distributor in Canada. Your good payment history must have occurred within the last 24 months and was for the following length of time:
  - Less than 50 kW demand: five years
  - Greater than 50 kW demand: seven years; or

## Appendix A – Comments on Developer Submission

### **Hydro Ottawa File Number: 9202015485 Ford Canada - 626 Principal Street, Casselman**

- You consent to a credit check and achieve a satisfactory credit rating. A \$15 charge will be applied to your account for this service.

#### **Security Deposit Reviews**

We review all security deposits annually to determine whether the deposit should be adjusted (increased or partially refunded) based on a change in usage and good payment history. Customers may be eligible to have their security deposit amount/requirement reduced if they have established a satisfactory payment history with Hydro Ottawa.

The length of time that a security deposit is held varies by customer class:

- Five years for non-residential customers with less than 50 kilowatt (kW) demand; and
- Seven years for non-residential customers with 50 kW demand or greater.

If your consumption is greater than 5,000 kW, you may be eligible for a security deposit reduction of up to 50% after seven years of good payment history. The remaining balance of the security deposit will be refunded when the account is closed.

Once a good payment history has been established, all or part of the security deposit will be returned with interest.

#### **Good Payment History**

A good payment history is not maintained when the following events occur:

- More than one disconnection notice;
- More than one returned payment due to non-sufficient funds;
- Failure to pay more than one pre-authorized payment;
- Disconnection of service for non-payment; or
- Collection of payment for overdue charges.

#### **Interest**

Interest on these deposits is accrued monthly and credited to your account at least annually. The interest rate is the Prime Business Rate published on the Bank of Canada website, less 2 percent, and is updated quarterly.

More information about Hydro Ottawa's Security Deposit Policy may be found in Hydro Ottawa's Conditions of Service.

Appendix A – Comments on Developer Submission

**Reference Project # 9202013329**  
**VT432 Vault Upgrade – 50 Rideau Street**

**Letter of Credit Provisions**

1. The Developer shall:
  - (i) renew or cause the renewal of the Letter of Credit on a timely basis;
  - (ii) if the bank that issued an outstanding Letter of Credit has indicated its intent not to renew such Letter of Credit, provide a substitute Letter of Credit or other equivalent form of security instrument acceptable to Hydro Ottawa at least ten (10) Business Days prior to the expiration of the outstanding Letter of Credit; and
  - (iii) if a bank issuing a Letter of Credit fails to honour Hydro Ottawa's properly documented request to draw on an outstanding Letter of Credit, provide for the benefit of Hydro Ottawa, (A) a substitute Letter of Credit that is issued by another financial institution, or (B) other surety instrument satisfactory to Hydro Ottawa in an amount equal to such outstanding Letter of Credit, in either case within five (5) Business Days after the Developer receives notice of such refusal.
2. The Letter of Credit, in the form and on the terms and conditions acceptable to Hydro Ottawa, shall provide that Hydro Ottawa may draw upon the Letter of Credit in an amount (up to the face amount for which the Letter of Credit has been issued) that is equal to all amounts claimed by Hydro Ottawa from the Developer pursuant to this Agreement. The Letter of Credit shall provide that a drawing may be made on the Letter of Credit upon submission to the bank issuing the letter of Credit of one or more certificates specifying the amounts due and owing to Hydro Ottawa.
3. Should the Developer fail to renew, substitute, or sufficiently increase the amount of an outstanding Letter of Credit, or establish one or more additional Letters of Credit or other equivalent form of security instrument acceptable to Hydro Ottawa, then Hydro Ottawa may draw on the entire, undrawn portion of any outstanding Letter of Credit. The Developer shall remain liable for any amounts due and owing to Hydro Ottawa and remaining unpaid after the application of the amounts so drawn by Hydro Ottawa.

The costs and expenses of establishing, renewing, substituting, cancelling, increasing and reducing the amount of (as the case may be) one or more Letters of Credit shall be borne by the Developer.

## Appendix C – Electrical Loading Forecast Schedule

**Hydro Ottawa File Number: 9202015485**  
**Ford Canada - 626 Principal Street, Casselman**

The table below summarizes the loading forecast utilized to calculate economic evaluation.

Hydro Ottawa Economic Evaluation Summary									
Date	1-May-22			Estimated Project In-Service Year					1-Oct-22
Project #	9202015485			Economic Evaluation Connection Horizon					5
Project Name	626 Principal			Economic Evaluation Revenue Horizon					15
		Cumulative Number of Connections						Average Monthly Usage per Connection	
		1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct		
Customer Type		2022	2023	2024	2025	2026	2027		
Residential		0	0	0	0	0	0	N/A	
Service < 50kW		0	0	0	0	0	0	0	kWh
Service > 50kW < 1500kW		0	1	1	1	1	1	1160	kW
Service > 1500kW < 5000kW		0	0	0	0	0	0	0	kW
Large User		0	0	0	0	0	0	0	kW
Total		0	1	1	1	1	1		
Discounted Cash Flow Summary									
Discount Rate		4.75%			PV of Incremental Revenue			\$856,305	
Corporate Income Tax Rate		26.50%			PV of Capital Expenditure			(\$683,956)	
Capital Cost Allowance		8.00%			PV of Incremental OM&A Costs			(\$61,077)	
					PV of Corporate Taxes			(\$224,924)	
Customer Type		Fixed Rate	Variable Rate		PV of CCA Tax Shield			\$113,651	
Residential		\$ 30.77	\$0 / kWh						
Service < 50kW		\$ 20.83	\$0.027 / kWh		Customer Contribution Required (Pre-Tax)			\$0	
Service > 50kW < 1500kW		\$ 200.00	\$5.6423 / kW		<b>Customer Contribution Required (With Tax)</b>			<b>\$0</b>	
Service > 1500kW < 5000kW		\$ 4,193.93	\$5.1687 / kW		Performance Guarantee (Pre-Tax)			\$700,000	
Large User		\$ 15,231.32	\$5.0761 / kW		<b>Performance Guarantee (With Tax)</b>			<b>\$791,000</b>	

Loading Information													
Total Loading Profile													
Peak Load – Proposed (kW):	1800			Service Ampere Rating (Panel Size) Proposed (Final) Amps:				3000		Requested Service Voltage Rating:		347/600V	
Power Factor:	0.90			Service Ampere Rating:				<input checked="" type="checkbox"/> 80% <input type="checkbox"/> 100%					
Total Service Demand (kW)	Auto Fill	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 <sup>st</sup> Year –		0	0	0	0	0	0	0	0	300	600	600	600
2 <sup>nd</sup> Year –		600	900	900	900	1300	1300	1300	1300	1300	1300	1300	1300
3 <sup>rd</sup> Year –		1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300
4 <sup>th</sup> Year –		1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300
5 <sup>th</sup> Year –		1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300

ATTACHMENT G

9/2/22, 12:59 PM

Hydro Ottawa Mail - Re: [EXTERNAL] RE: 626 Principal Casselman Servicing



Murphy, Christopher <christophermurphy@hydroottawa.com>

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**Re: [EXTERNAL] RE: 626 Principal Casselman Servicing**

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**Murphy, Christopher** <christophermurphy@hydroottawa.com>

Thu, Mar 3, 2022 at 8:34 AM

To: PATHMANATHAN Aarani <Aarani.Pathmanathan@hydroone.com>

Cc: SULEMAN Jayde <Jayde.Suleman@hydroone.com>, PATEL Dhaval <Dhaval.Patel@hydroone.com>, "Preston, Ken" <kenpreston@hydroottawa.com>

Good Morning Aarani,

I was looking to get the conversation around the customer at 626 Principal going again and I found this email that I had not responded to. I must have lost it around Christmas vacation, however I do apologize.

HOL has decided we would like to provide a competitive offer to service the customer as they have property within our service territory.

I have an old contact for who we originally spoke with, but would Hydro One like to do a hand off to the customer with Hydro Ottawa explaining the process of the two offers and OEB's involvement?

Thanks,

**Chris Murphy**

*Manager, Distribution Design*

*Gestionnaire, Conception Distribution*

[christophermurphy@hydroottawa.com](mailto:christophermurphy@hydroottawa.com)

Tel./tél.: 613 738-5499 | ext./poste 7114

Cell.: 613 868-1548

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