

Atura Power

Portlands Energy Centre Efficiency Upgrades

DRAFT Screening Report for Electricity Projects

DECEMBER 2023 (DRAFT)

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Projects

Atura Power

PREPARED FOR:

Atura Power
1415 Joshuas Creek Dr., Unit #101
Oakville, Ont.
L6H 7G4



PREPARED BY:

Avaanz Ltd.
9 Cavell Avenue
Guelph, Ont.
N1H 1Y4

Part of the Independent Environmental Consultants
team

Executive Summary

Portlands Energy Centre (PEC) is owned and operated by Portlands Energy Centre LP, which operates under the trade name Atura Power. Atura Power is a subsidiary of Ontario Power Generation (OPG) and is planning to make efficiency upgrades (upgrades) within its existing facility located along the Toronto waterfront. PEC is a combined-cycle natural gas-fuelled electricity generating station (GS) with an average electrical output contract capacity of 550 megawatts (MW). The station is located on Villiers Island just south of the mainland part of the City of Toronto on approximately 11.4 hectares (ha) of land.

The Independent Electricity System Operator (IESO) quantified the near-term additional energy supply need in Ontario, stating that an additional 4,000 MW of new capacity is required by May 2027. Procurements for projects capable of meeting the increased energy demand in 2027 will need to be completed in the short-term. Atura Power is prepared to help meet that need and support ratepayers in Ontario through upgrades that will optimise and increase energy generation at PEC in Ontario.

Atura Power is planning to make upgrades which will increase the facility generating contract capacity by an average of 50 MW to achieve a total average contract capacity of 600 MW. Atura Power is planning to make these upgrades to its existing facility by replacing internal parts of the natural gas fired combustion turbines with more efficient parts that will result in greater electrical output from the gas turbine generators. The parts that are being replaced are the same parts that would normally be replaced at regular maintenance overhauls, but due to improved technology, will be more efficient. Better materials are used to manufacture the parts, and these can withstand a higher operating temperature and therefore produce more power. The planned upgrades will be completed as part of the annual fall plant outage and will take approximately four to five weeks per unit to disassemble, replace parts and reassemble the gas turbines. There are two units, and they will be completed one at a time. The project will take place entirely within the facility; the facility footprint will not change, and no additional external laydown areas will be required.

Since the PEC upgrades will result in an increase in the nameplate capacity of more than 5 MW, the Ontario *Environmental Assessment Act* requires that an environmental assessment (EA) be undertaken in accordance with O.Reg.116/01, and subsequently, the "*Guide to Environmental Assessment Requirements for Electricity Projects*" (the Guide) as outlined by the Ontario Ministry of the Environment, Conservation, and Parks (MECP). The Guide requires a Screening Criteria Checklist to be applied to the project, to identify potential negative environmental effects resulting from nine different criteria categories based on current knowledge or preliminary investigations. Application of the Screening Criteria for the planned upgrades at PEC determined that the response to all questions is "No", indicating that there are no potential negative environmental effects resulting from the project.

Engagement with Indigenous communities, the public and agencies is a key component of the EA process and was integrated from the initial development stages of the project planning and throughout the Environmental Screening Process. This included sharing project information on the project's webpage, advertising and distributing notices, hosting a virtual public meeting, responding

to project enquiries, hosting meetings with Indigenous communities, and sharing information with municipal representatives and elected officials. It also included sharing this draft Screening Report with Indigenous communities, key agencies, and interested members of the public to offer an additional opportunity for those interested to review project details, the Environmental Screening Process undertaken, and assessment findings. Atura Power has voluntarily provided this opportunity so that comments can be incorporated in the final Screening Report which will be published for a mandated 30-day review period.

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Land Acknowledgement

Atura Power acknowledges that Portlands Energy Centre is located on the traditional territory of many nations including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee and the Wendat peoples, and is now home to many diverse First Nations, Inuit and Métis peoples. We also acknowledge that Toronto is covered by Treaty 13 with the Mississaugas of the Credit.

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Glossary of Terms

AAR.....	Acoustic Assessment Report
ANSI.....	Areas of Natural or Scientific Interest
BTU.....	British thermal unit
°C.....	degrees Celsius
CO ₂	carbon dioxide
CWA.....	<i>Clean Water Act</i>
DFO.....	Fisheries and Oceans Canada
E-LT1-RFP.....	Expedited Long-Term Request for Proposal
EA.....	Environmental Assessment
EAA.....	Ontario <i>Environmental Assessment Act</i>
EASR.....	Environmental Activity and Sector Registry
EBA.....	Event-Based Modelling Area
ECA.....	Environmental Compliance Approval
EPA.....	<i>Environmental Protection Act</i>
ESA.....	Environmentally Sensitive Area
ESDM.....	Emission Summary and Dispersion Modelling
ET.....	Eastern Time
FAQs.....	Frequently Asked Questions
GE.....	General Electric
GJ.....	gigajoule(s)
GS.....	Generating Station
GTG.....	gas turbine generator
ha.....	hectares
HDI.....	Haudenosaunee Development Institute
HHV.....	higher heating value
HONI.....	Hydro One Networks Inc.
HVA.....	Highly Vulnerable Aquifer
ICA.....	Issues Contributing Area
IESO.....	Independent Electricity System Operator
IPZ.....	Intake Protection Zones
kJ.....	kilojoule(s)
kWh.....	kilowatt(s)-hour
L.....	Litre(s)
LHV.....	Lower Heating value
m.....	metre(s)
MCFN.....	Mississaugas of the Credit First Nation
MECP.....	Ontario Ministry of the Environment, Conservation and Parks
MNO.....	Métis Nation of Ontario
MNRF.....	Ministry of Natural Resources and Forestry
MPP.....	Minister of Provincial Parliament
MTO.....	Ontario Ministry of Transportation
MW.....	megawatt(s)
O.Reg.....	Ontario Regulation
OPG.....	Ontario Power Generation

OWRA..... *Ontario Water Resources Act*
PEC..... Portlands Energy Centre
PTTW..... Permit to Take Water
Q&A..... Question and Answer
SGRA..... Significant Groundwater Recharge Area
SPA Source Protection Area
STG steam turbine generator
TRCA..... Toronto and Region Conservation Authority
WHPA..... Wellhead Protection Area

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1. Introduction

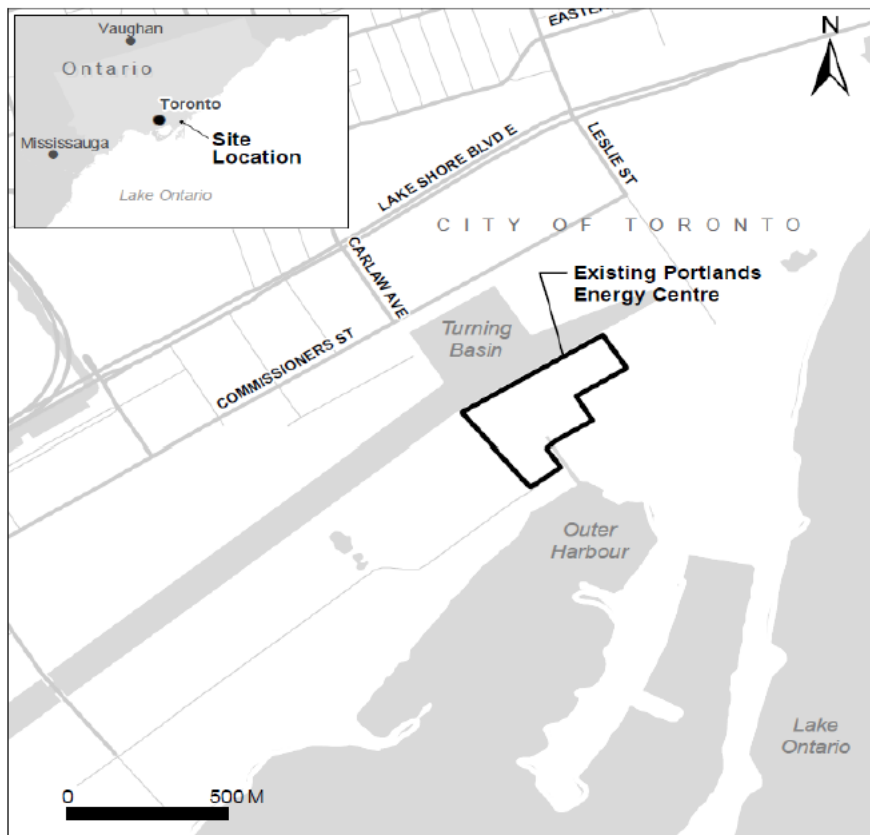
1.1 Background

Portlands Energy Centre (PEC) is owned and operated by Portlands Energy Centre LP, which operates under the trade name Atura Power. Atura Power is a subsidiary of Ontario Power Generation (OPG) and is planning to make efficiency upgrades (upgrades) within its existing facility located along the Toronto waterfront. PEC is a combined-cycle natural gas-fuelled electricity generating station (GS) with an average electrical output contract capacity of 550 megawatts (MW). The station is located on Villiers Island just south of the mainland part of the City of Toronto on approximately 11.4 hectares (ha) of land.

Figure 1-1 below provides a map of PEC.

Atura Power is planning to make upgrades which will increase the facility generating contract capacity by an average of 50 MW to achieve a total average contract capacity of 600 MW. The winter contract capacity will be increased from 562 MW to 624 MW and the summer contract capacity will be increased from 538 MW to 576 MW.

The original proponents of PEC, a 50/50 limited partnership between TransCanada Energy and OPG, completed an Environmental Review Report in 2003 which concluded that, “the negative net effects of the proposed PEC, which are considered to be temporary or negligible, are on balance more than offset by the positive contributions of the project to redevelopment of the site, the contribution of cleaner generation capacity to the electrical grid, and the economic benefits in terms of jobs, taxes and investment to the City of Toronto.” (SENES Consultants Limited, 2003). PEC opened in 2009, after meeting the Environmental Screening Process for Electricity Projects requirements under O.Reg. 116/01 and obtaining all required construction permits.

Figure 1-1: Map of Portlands Energy Centre

1.2 Purpose of the Project

The Independent Electricity System Operator (IESO) quantified the near-term additional energy supply need in Ontario, stating that an additional 4,000 MW of new capacity is required by May 2027. Procurements for projects capable of meeting the increased energy demand in 2027 will need to be completed in the short-term. Atura Power is prepared to help meet that need and support ratepayers in Ontario through upgrades that will optimise and increase energy generation at PEC.

1.3 Environmental Assessment Process

1.3.1 Process

The applicable portions of the Environmental Screening Process for Electricity Projects, per O.Reg 116/01, which define the type of environmental assessment (EA) to be undertaken under the Ontario *Environmental Assessment Act* (the *Act*) are Section 4 (1) and (3).

Section 4 (1) states that,

“The planning, designing, establishing, constructing, operating, changing, expanding or retiring of any of the following things is defined as a major commercial or business enterprise or activity and is designated as an undertaking to which the *Act* applies:

[Part] 4. A generation facility that has a name plate capacity of *five megawatts or more* [emphasis added] and that uses biomass or natural gas as its primary power source.” (Government of Ontario, 2021).

Section 4 (3) states that,

“Any expansion of or change in a generation facility, transmission line, transformer station or distribution station that would result in it becoming a thing described in Subsection (1) is defined as a major commercial or business enterprise or activity and is designated as an undertaking to which the *Act* applies” (Government of Ontario, 2021).

Since the PEC upgrades will result in an increase in the nameplate capacity of more than 5 MW, the *Act* requires that an EA be undertaken in accordance with O.Reg.116/01, and subsequently, the “*Guide to Environmental Assessment Requirements for Electricity Projects*” (Government of Ontario, 2023) (the Guide) as outlined by the Ontario Ministry of the Environment, Conservation, and Parks (MECP). As such, the EA for the project follows the Environmental Screening Process as described in the Guide, which states that natural gas projects in Ontario are classified into one of three categories based on their generation capacity and anticipated environmental effects:

- **Category A:** Generates less than 5 MW of electricity and has minimal environmental effects. These projects do not require approval under the EAA.
- **Category B:** Generates 5 MW of electricity or more and has potential environmental effects that can be mitigated. These projects require an Environmental Screening Process or a Class EA.
- **Category C:** Major projects with known environmental effects. These projects require an Individual EA.

Given that the upgrades will increase the nameplate capacity of PEC (i.e., the average contract capacity) by 50 MW (to 600 MW from 550 MW), generating an increase greater than 5 MW, the project is classified as a Category B project and triggers an Environmental Screening Process which is a proponent-driven, self-assessment process.

Under the Environmental Screening Process, there are two possible stages of review depending on the environmental effects of a project:

- **Screening stage**, and
- **Environmental Review stage**.

The difference between the two stages of review is the level of detail included in the assessment. The Environmental Review stage involves more detailed study and is typically undertaken based on the environmental effects of a project and the proponent’s ability to address potential concerns. The limited scale and nature of the undertaking (i.e., all activities to complete the upgrades will

occur within the existing facility), determined that the PEC upgrades will be undertaken as a Screening stage assessment.

The Screening stage involves the following steps (refer to Figure 2 of the Guide for more detail):

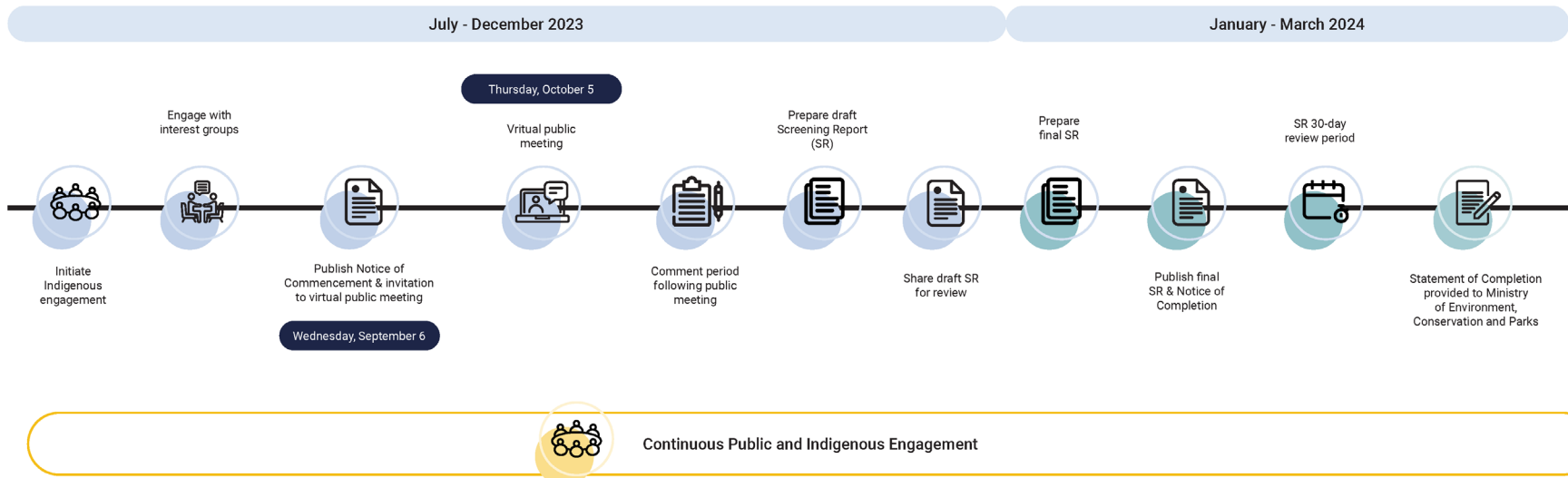
- Publish a Notice of Commencement of a Screening
- Prepare a project description
- Apply Screening Criteria to identify potential negative environmental effects
- Engage Indigenous communities, agencies and the public to identify any issues or concerns
- Assess potential negative environmental effects, develop mitigation and impact management, engage and address issues and concerns
- Prepare a Screening Report
- Publish Notice of Completion of Screening Report and commence a 30-day review period
- Submit a Statement of Completion

1.3.2 Timelines

Atura Power commenced the Environmental Screening Process by initiating Indigenous engagement in June 2023, prior to distributing the Notice of Commencement. This included sharing preliminary project details with Indigenous communities during meetings regarding a separate project being undertaken by Atura Power. The Notice of Commencement was published on September 6, 2023, to notify the general public about the project, and a virtual public meeting was held on October 5, 2023. Further details on engagement activities for the project are provided in **Section 4**. This draft Screening Report was prepared between October and November 2023 and shared with Indigenous communities, select key agencies, and interested members of the public for review in early December 2023.

Figure 1-2 provides a summary of the key project milestones undertaken to fulfill the requirements of the Environmental Screening Process.

Figure 1-2: Key Project Milestones



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1.4 Project Description

Atura Power is planning to make upgrades to its existing facility by replacing internal parts of the natural gas fired combustion turbines with more efficient parts that will result in greater electrical output from the gas turbine generators. The parts that are being replaced are the same parts that would normally be replaced at regular maintenance overhauls, but due to improved technology, will be more efficient. Better materials are used to manufacture the parts, and these can withstand a higher operating temperature and therefore produce more power. The advanced materials and the optimised cooling flows enable the engine to run at higher operating temperatures and use fuel more effectively, allowing for a higher power output per gigajoule (GJ) of fuel consumed. In addition, the control system will be upgraded to further enhance the performance. The steam turbine generator is not being modified but the steam turbine output will increase because the upgrades to the gas turbines will also increase the exhaust energy from the gas turbines which will result more steam input to the steam turbine. No modifications are required to any electrical interconnection equipment.

The planned upgrades will be completed as part of the annual fall plant outage and will take approximately four to five weeks per unit to disassemble, replace parts and reassemble the gas turbines. There are two units, and they will be completed one at a time. The project will take place entirely within the facility (see **Figure 1-3**). The facility footprint will not change, and no additional external laydown areas will be required.

Figure 1-3: Aerial Image of Portlands Energy Centre



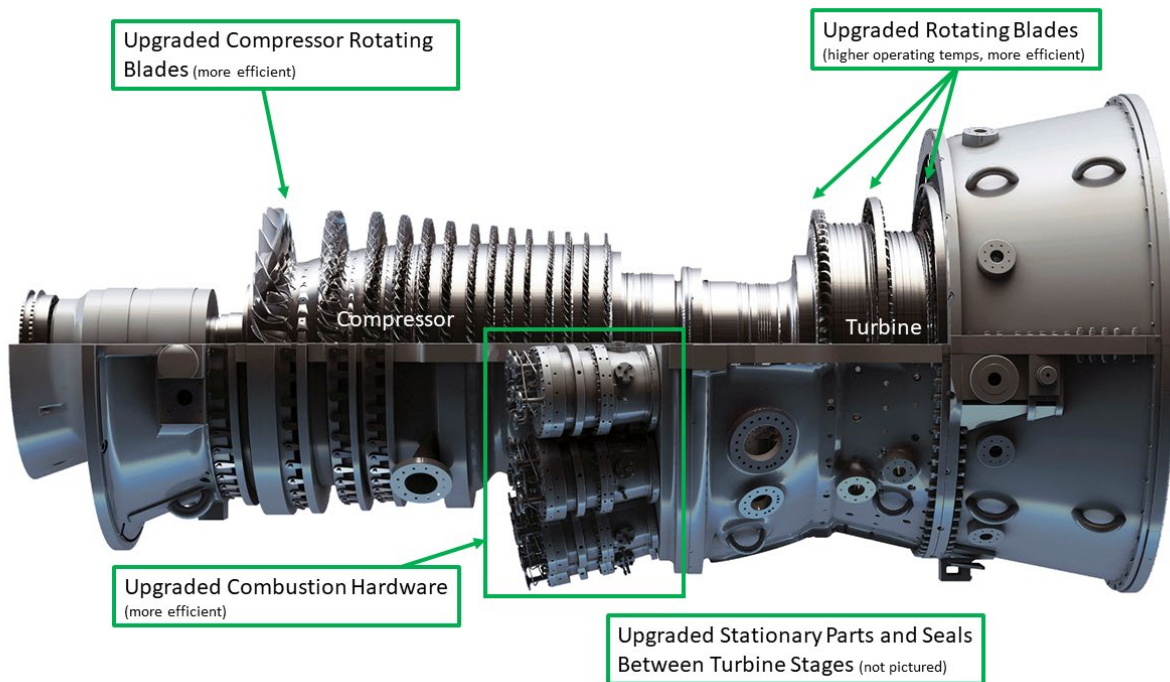
1.5 Project Parts and Activities

1.5.1 Project Parts

The planned project consists of replacing the existing parts within the turbines with new, improved parts made of materials with optimised cooling characteristics that will allow operation at a higher temperature. This will increase the output of the gas turbine and therefore increase the electrical output of PEC by an average electrical output contract capacity of 50 MW.

Figure 1-4 illustrates the parts which will be replaced on both gas turbines currently located within PEC:

Figure 1-4: Parts to be Upgraded



The upgrades, including both the replaced parts of the turbine detailed in **Figure 1-4** as well as the parts being installed in the compressor extraction lines and the control system upgrade, will include the following:

AGP Tech Package – Advanced Gas Path (AGP)

- AGP Stage 1 Nozzle Kit and Support Ring
- AGP Stage 2 and 3 Nozzle Kits
- AGP Stage 1, 2, and 3 Bucket Kits
- AGP Stage 1, 2, and 3 Shroud Kits
- Cooling and sealing air orifice modification
- Installation and modification documents
- Firing temperature increase and revised Model Based Control software changes (formerly known as control curve change)
- 7FA.04 length 1AO, 2FO, 2AO wheelspace thermocouples
- 7F AGP Tech Stage 2 and 3 Bucket Kits

DLN 2.6+ GO Combustion System

- ML A033 Major Disassembly Tool Kit
- ML 0513 Gas-Only Fuel Nozzle Assembly
- ML 0572 Fuel Gas Emergency Stop Valve

- ML 0701 Combustion Chamber Arrangement
- ML 0702 Transition Piece Assembly
- ML 0703 Combustion Liner Arrangement
- ML 0717 Transition Piece Arrangement Combustion
- ML 0719 Aft Combustion Case Arrangement
- ML 0726 Combustion Tuning Piping
- ML 1214 Spark Plug Assembly

7FA.04 Extended Turndown Valves

Control System Upgrades

- OpFlex Balanced Enhanced Transient Stability (ETS)
- OpFlex Auto-Tune
- OpFlex Cold Day Performance
- Variable IGV Angle Optimization
- Combustion Dynamics Monitoring (CDM) – Dual

1.5.2 Activities

Unit 2 upgrade-specific work will take place in a four-to-five-week outage. Unit 1 project upgrades will take place during a planned major inspection which takes approximately seven to eight weeks. Both upgrades will take place in fall 2024. At this time, specialised crews of skilled trades staff will disassemble the gas turbines, replace the existing parts with new ones, and reassemble the gas turbines. Project activities are anticipated to include site preparation, transportation of equipment and parts, replacement of parts, and returning the used parts back to the original equipment manufacturer. The work will take place during a standard maintenance outage and the facility will be shut down for this work. Once back in service, there will be no change to continued operations.

Table 1-1 summarises the anticipated schedule to complete the planned upgrades.

Table 1-1: Project Schedule

Activity	Timeline
IESO Contract Award	Announced May 16, 2023
Environmental Compliance Approval Amendment	Submitted June 23, 2023
Environmental Screening Process	Fall 2023 to Spring 2024
Turbine Upgrades	Fall 2024
Commissioning & Testing	Fall 2024
Operations	Fall 2024 Onwards

1.6 Report Organisation

This Screening Report documents the Environmental Screening Process undertaken for the project and is organised as follows:

- **Section 1** – Introduction
- **Section 2** – Permits and Approvals
- **Section 3** – Environmental Screening
- **Section 4** – Engagement
- **Section 5** – Environmental Advantages and Disadvantages
- **Section 6** – References

The report also includes the following appendices which provide supplemental detail:

- **Appendix A** – Letters from General Electric (GE)
- **Appendix B** – Engagement Records

2. Permits and Approvals

2.1 Environmental Compliance Approval (Air/Noise)

An Environmental Compliance Approval (ECA) is required for air and noise emissions from the facility as required under Section 9 of Ontario's *Environmental Protection Act*. PEC currently operates under ECA (air and noise) number 3557-BUJKWR issued October 29, 2020. Given that the facility upgrades will increase the output capacity of the facility an amendment to the ECA is required.

Atura Power submitted an application for an amendment to the existing ECA to the MECP on June 23, 2023. As noted in the application, the manufacturer of the equipment being installed for the upgrades, provided a letter stating that the upgrades to the turbine generator "will maintain [air] emissions levels at or below site permit levels." Similarly, the manufacturer stated that the upgrades are "not expected to increase noise levels from the facility" (copies of these letters are provided in **Appendix A**).

The ECA amendment application included the facility's current Emission Summary and Dispersion Modelling (ESDM) report and Acoustic Assessment Report (AAR) as well as updated Guideline A-5 calculations based on proposed facility and equipment parameters (i.e., nominal rating of combined-cycle combustion turbine facility, nominal rating of natural gas fired combustion turbines, nominal heat input of natural gas fired duct burners, and nominal rating of the steam generator).

2.2 Ontario Environmental Assessment Act

As noted in **Section 1.3** of this report, the planned upgrades at PEC are subject to the Environmental Screening Process for Electricity Projects pursuant to O.Reg.116/01 under the *Act*. The upgrades will result in an increase in the nameplate capacity of more than 5 MW (to an output of 600 MW from the current 550 MW), classifying it as a Category B project under the Environmental Screening Process. This Screening Report addresses the requirements, and documents the results, of the Environmental Screening Process.

2.3 Other Permits and Approvals

Given that the upgrades will occur within the existing facility and no ground disturbance is required, no additional environmental permits and approvals will be required.

3. Environmental Screening

3.1 Existing Conditions

PEC is an industrial facility and the activities to complete the upgrades will take place entirely within the existing facility, on previously developed land, and will require no physical changes to the PEC footprint. According to the City of Toronto Official Plan (consolidated June 2023), the project is planned on lands designated as a “regeneration area” which “is applied to areas with significant vacant lands and/or buildings and in need of revitalisation as a means of fostering growth and physical change” (City of Toronto, 2023). Each regeneration area has a framework for new development set out in a Secondary Plan. The Central Waterfront Secondary Plan provides the planning framework and policies for new development in the area where the project site is located. A wide variety of mixed-use development ranging from industries to housing to community services and parks are permissible in regeneration areas. According to the Central Waterfront Secondary Plan the project is located within the Port Lands. New waterfront transit, a Natural Heritage corridor, open space, and urban development are planned for the Port Lands; however, existing business operations will continue (City of Toronto, 2015).

Given its proximity to Lake Ontario’s water’s edge, the project site falls within an area overseen by Waterfront Toronto which was established in 2001 through the backing of federal, provincial, and municipal governments to revitalise the Toronto waterfront. The designated waterfront area extends from Dowling Avenue in the west to Coxwell Avenue in the east (Waterfront Toronto, 2023).

The project site is located on lands subject to the *Provincial Policy Statement* (Government of Ontario, 2020a) and *A Place to Grow: Growth Plan for the Greater Golden Horseshoe* (hereafter referred to as the Growth Plan) (Government of Ontario, 2020b).

The *Provincial Policy Statement* provides policy direction on matters of provincial interest related to land use and development (Government of Ontario, 2020a). Section 1.6.11.1 of the *Provincial Policy Statement* provides a policy specifically related to energy supply and electricity generation:

“Planning authorities should provide opportunities for the development of energy supply including electricity generation facilities and transmission and distribution systems, district energy, and renewable energy systems and alternative energy systems, to accommodate current and projected needs.”

(Government of Ontario, 2020a)

The Growth Plan outlines the *Greater Golden Horseshoe’s* plan for growth and development. According to the Growth Plan, the project site is located within a built-up area near an urban growth area. Though electricity generating facilities are not specifically discussed in the Growth Plan, there are policies for infrastructure to support growth. Section 3.2.1 (3) of the Growth Plan states:

“Infrastructure investment and other implementation tools and mechanisms will be used to facilitate intensification and higher density development in strategic growth areas. Priority will be given to infrastructure investments made by the province that support the policies and schedules of this Plan.”

(Government of Ontario, 2020b)

The definition of “infrastructure” in the Growth Plan includes electricity generation facilities and electricity transmission and distribution systems.

The project is located within the watershed managed by the Toronto and Region Conservation Authority (TRCA).

The project site is not located on lands subject to the *Oak Ridges Moraine Conservation Plan* (2017), *Lake Simcoe Protection Plan* (2014), *Niagara Escarpment Plan* (2017), *Greenbelt Plan* (2017) or *Growth Plan for Northern Ontario* (2011).

3.2 Rationale for Effects Assessment

Appendix B of the Guide includes a Screening Criteria Checklist that needs to be applied to every project subject to the Environmental Screening Process (see **Section 3.4**). As the proponent, Atura Power is required to identify potential negative environmental effects resulting from the project as it relates to each screening criterion based on current knowledge or preliminary investigations.

The Screening Criteria used to identify potential negative effects of the project are listed under the following categories:

1. Surface and ground water
2. Land
3. Air and noise
4. Natural environment
5. Resources
6. Socio-economics
7. Heritage and culture
8. Indigenous communities
9. Other (including wastes)

As demonstrated in **Sections 3.3 and 3.4** Atura Power is confident that there will be no potential for negative effects associated with the Screening Criteria under the nine categories listed above and no further studies are needed.

3.3 Environmental Effects Assessments

The Guide states that, in cases where there is uncertainty about the project's potential for negative effects pertaining to a select criterion within any of the nine categories, further studies may be undertaken to accurately identify and understand the potential for effects. As mentioned above, no further studies are needed as there are no identified negative environmental effects from the project related to the Screening Criteria. All planned project activities will occur within the footprint of the existing facility. Additionally, letters from General Electric (GE) Gas Power Services, the manufacturer of the equipment being installed for the upgrades, stated that the upgrades to the turbine generator "will maintain [air] emissions levels at or below site permit levels" and that the upgrades are "not expected to increase noise levels from the facility." As such, air and noise assessments are not needed and have not been undertaken for the project. Copies of the GE Gas Power Services letters are provided in **Appendix A**.

In a letter to Atura Power dated October 16, 2023, the MECP requested consideration of the ministry's "Areas of Interest" (v. Aug. 2022) with respect to the environmental effects associated with the project and consequent Environmental Screening Process. Although no additional studies are required, **Table 3-1** provides Atura Power's consideration of these MECP Areas of Interest as they relate to the project.

Table 3-1: Consideration of MECP's Areas of Interest

MECP's Area of Interest	Consideration in Relation to the Project
Planning and Policy	
<p>Applicable plans and policies should be identified in the report, and the proponent should describe how the proposed project adheres to the relevant policies in these plans.</p> <ul style="list-style-type: none"> Projects located in MECP Central, Eastern or West Central Region may be subject to <i>A Place to Grow: Growth Plan for the Greater Golden Horseshoe</i> (2020). Projects located in MECP Central or Eastern Region may be subject to the <i>Oak Ridges Moraine Conservation Plan</i> (2017) or the <i>Lake Simcoe Protection Plan</i> (2014). Projects located in MECP Central, Southwest or West Central Region may be subject to the <i>Niagara Escarpment Plan</i> (2017). Projects located in MECP Central, Eastern, Southwest or West Central Region may be subject to the <i>Greenbelt Plan</i> (2017). Projects located in MECP Northern Region may be subject to the <i>Growth Plan for Northern Ontario</i> (2011). <p>The <i>Provincial Policy Statement</i> (2020) contains policies that protect Ontario's natural heritage and water resources. Applicable policies should be referenced in the report, and the proponent should describe how the proposed project is consistent with these policies.</p> <p>In addition to the provincial planning and policy level, the report should also discuss the planning context at the municipal and federal levels, as appropriate.</p>	<p>The project complies with existing provincial, municipal and federal plans and policies. See Section 3.1 for additional details.</p>
Source Water Protection	
<p>The <i>Clean Water Act</i> (2006) (CWA) aims to protect existing and future sources of drinking water. To achieve this, several types of vulnerable areas have been delineated around surface water intakes and wellheads for every municipal residential drinking water system that is located in a source protection area. These vulnerable areas are known as a Wellhead Protection Areas (WHPAs) and surface water Intake Protection Zones (IPZs). Other vulnerable areas that have been delineated under the CWA include Highly Vulnerable Aquifers (HVAs), Significant Groundwater Recharge Areas (SGRAs), Event-based modelling areas (EBAs), and Issues Contributing Areas (ICAs). Source</p>	<p>According to the Source Protection Information Atlas (MECP, 2023a), the project site is located within the Toronto Source Protection Area (SPA) and is not located in a vulnerable area.</p> <p>The planned project will not require works beyond the footprint of the existing facility and as such poses no risk to drinking water supplies.</p>

MECP's Area of Interest	Consideration in Relation to the Project
<p>protection plans have been developed that include policies to address existing and future risks to sources of municipal drinking water within these vulnerable areas.</p> <p>Projects that are subject to the <i>Environmental Assessment Act</i> that fall under a Class EA, or one of the Regulations, have the potential to impact sources of drinking water if they occur in designated vulnerable areas or in the vicinity of other at-risk drinking water systems (i.e., systems that are not municipal residential systems). Projects may include activities that, if located in a vulnerable area, could be a threat to sources of drinking water (i.e., have the potential to adversely affect the quality or quantity of drinking water sources) and the activity could therefore be subject to policies in a source protection plan. Where an activity poses a risk to drinking water, policies in the local source protection plan may impact how or where that activity is undertaken. Policies may prohibit certain activities, or they may require risk management measures for these activities. Municipal Official Plans, planning decisions, Class EA projects (where the project includes an activity that is a threat to drinking water) and prescribed instruments must conform with policies that address significant risks to drinking water and must have regard for policies that address moderate or low risks.</p> <ul style="list-style-type: none"> • The proponent should identify the source protection area and should clearly document how the proximity of the project to sources of drinking water (municipal or other) and any delineated vulnerable areas was considered and assessed. Specifically, the report should discuss whether or not the project is located in a vulnerable area and provide applicable details about the area. • If located in a vulnerable area, proponents should document whether any project activities are prescribed drinking water threats and thus pose a risk to drinking water (this should be consulted on with the appropriate Source Protection Authority). Where an activity poses a risk to drinking water, the proponent must document and discuss in the report how the project adheres to or has regard to applicable policies in the local source protection plan. This section should then be used to inform and be reflected in other sections of the report, such as the identification of net positive/negative effects of alternatives, mitigation measures, evaluation of alternatives etc. • While most source protection plans focused on including policies for significant drinking water threats in the WHPAs and IPZs it should be noted that even though source protection plan policies may not apply in HVAs, these are areas where aquifers are sensitive and at risk to impacts and within these areas, activities may impact the quality of sources of drinking water for systems other than municipal residential systems. 	

MECP's Area of Interest	Consideration in Relation to the Project
<ul style="list-style-type: none"> In order to determine if this project is occurring within a vulnerable area, proponents can use Source Protection Information Atlas, which is an online mapping tool available to the public. Note that various layers (including WHPAs, WHPA-Q1 and WHPA-Q2, IPZs, HVAs, SGRAs, EBAs, ICAs) can be turned on through the "Map Legend" bar on the left. The mapping tool will also provide a link to the appropriate source protection plan in order to identify what policies may be applicable in the vulnerable area. For further information on the maps or source protection plan policies which may relate to their project, proponents must contact the appropriate source protection authority. Please consult with the local source protection authority to discuss potential impacts on drinking water. Please document the results of that consultation within the report and include all communication documents/correspondence. <p><u>More Information</u> For more information on the <i>Clean Water Act</i>, source protection areas and plans, including specific information on the vulnerable areas and drinking water threats, please refer to Conservation Ontario's website where you will also find links to the local source protection plan/assessment report.</p> <p>A list of the prescribed drinking water threats can be found in Section 1.1 of Ontario Regulation 287/07 made under the <i>Clean Water Act</i>. In addition to prescribed drinking water threats, some source protection plans may include policies to address additional "local" threat activities, as approved by the MECP.</p>	
Climate Change	
<p>The document "Considering Climate Change in the Environmental Assessment Process" (Guide) is now a part of the Environmental Assessment program's Guides and Codes of Practice. The Guide sets out the MECP's expectation for considering climate change in the preparation, execution and documentation of environmental assessment studies and processes. The guide provides examples, approaches, resources, and references to assist proponents with consideration of climate change in their study. Proponents should review this Guide in detail.</p> <ul style="list-style-type: none"> The MECP expects proponents of projects under a Class EA or EAA Regulation to: <ol style="list-style-type: none"> Consider during the assessment of alternative solutions and alternative designs, the following: 	<p>IESO is moving forward with a procurement process to meet near, medium, and long-term energy needs while maintaining the province's focus on cost-effective reliability. Part of this process is the province's request for upgrades to increase electricity production at existing facilities. Atura Power is responding to this need identified by the IESO through the contract awarded by the IESO as part of the competitive Expedited Long-Term Request for Proposal (E-LT1-RFP), in May 2023. Given the recommendations of the IESO and government initiatives, other alternatives were not considered as part of the project, nor are they required as part of the Screening Process being followed for the project.</p>

MECP's Area of Interest	Consideration in Relation to the Project
<p>a. the project's expected production of greenhouse gas emissions and impacts on carbon sinks (climate change mitigation); and</p> <p>b. resilience or vulnerability of the undertaking to changing climatic conditions (climate change adaptation).</p> <p>2. Include a discrete section in the report detailing how climate change was considered in the EA.</p> <p>How climate change is considered can be qualitative or quantitative in nature and should be scaled to the project's level of environmental effect. In all instances, both a project's impacts on climate change (mitigation) and impacts of climate change on a project (adaptation) should be considered. Please ensure climate change is considered in the report.</p> <ul style="list-style-type: none"> The MECP has also prepared another guide to support provincial land use planning direction related to the completion of energy and emission plans. The "Community Emissions Reduction Planning: A Guide for Municipalities" document is designed to educate stakeholders on the municipal opportunities to reduce energy and greenhouse gas emissions, and to provide guidance on methods and techniques to incorporate consideration of energy and greenhouse gas emissions into municipal activities of all types. We encourage you to review the Guide for information. 	<p>The upgrades involve replacing rotating and non-rotating parts within the gas turbines (blades, seals, nozzles, etc.). These upgraded parts are more efficient due to the advanced materials used to allow the turbines to run hotter and more fuel efficiently, extracting the maximum amount of power possible.</p> <p>After the upgrade, the plant's thermal efficiency will increase due to a reduced heat rate (British thermal unit/kilowatt-hour (BTU/kWh)). This means that the same amount of fuel used will produce more power after the upgrades.</p> <p>The net heat rate of the gas turbine generators (i.e., kilojoules/kilowatt-hours (kJ/kWh) higher heating value (HHV)) is expected to reduce by 2% at baseload and 15°C ambient temperature, following the upgrades. The greenhouse gas intensity (i.e., the ratio of CO₂ equivalent emissions to total electricity generation) of the facility is also expected to reduce by 2%.</p>
<p>Air Quality, Dust and Noise</p>	
<p>If there are sensitive receptors in the surrounding area of this project, a quantitative air quality/odour impact assessment will be useful to evaluate alternatives, determine impacts and identify appropriate mitigation measures. The scope of the assessment can be determined based on the potential effects of the proposed alternatives, and typically includes source and receptor characterisation and a quantification of local air quality impacts on the sensitive receptors and the environment in the study area. The assessment will compare to all applicable standards or guidelines for all contaminants of concern. Please contact this office for further consultation on the level of Air Quality Impact Assessment required for this project if not already advised.</p> <p>If a quantitative Air Quality Impact Assessment is not required for the project, the MECP expects that the report contain a qualitative assessment which includes:</p> <ul style="list-style-type: none"> A discussion of local air quality including existing activities/sources that significantly impact local air quality and how the project may impact existing conditions; 	<p>GE Gas Power Services, the manufacturer of the equipment being installed for the upgrades, provided a letter dated May 26, 2023, stating that the upgrades to the turbine generator "will maintain [air] emissions levels at or below site permit levels." Similarly, GE Gas Power - Services further stated in a letter dated March 30, 2023, that the upgrades are "not expected to increase noise levels from the facility."</p> <p>Copies of the GE Gas Power Services letters are provided in Appendix A.</p> <p>The facility will continue to operate within all environmental permitting requirements.</p> <p>The planned project will not require works outdoors and no dust or noise control measures are required during installation.</p>

MECP's Area of Interest	Consideration in Relation to the Project
<ul style="list-style-type: none"> • A discussion of the nearby sensitive receptors and the project's potential air quality impacts on present and future sensitive receptors; • A discussion of local air quality impacts that could arise from this project during both construction and operation; and • A discussion of potential mitigation measures. <p>As a common practice, "air quality" should be used an evaluation criterion for all road projects.</p> <p>Dust and noise control measures should be addressed and included in the construction plans to ensure that nearby residential and other sensitive land uses within the study area are not adversely affected during construction activities.</p> <p>The MECP recommends that non-chloride dust-suppressants be applied. For a comprehensive list of fugitive dust prevention and control measures that could be applied, refer to <i>Cheminfo Services Inc. Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities</i> report prepared for Environment Canada (March 2005).</p> <p>The report should consider the potential impacts of increased noise levels during the operation of the completed project. The proponent should explore all potential measures to mitigate significant noise impacts during the assessment of alternatives.</p>	
Ecosystem Protection and Restoration	
<p>Any impacts to ecosystem form and function must be avoided where possible. The report should describe any proposed mitigation measures and how project planning will protect and enhance the local ecosystem.</p> <p>Natural heritage and hydrologic features should be identified and described in detail to assess potential impacts and to develop appropriate mitigation measures. The following sensitive environmental features may be located within or adjacent to the study area:</p> <ul style="list-style-type: none"> • Key Natural Heritage Features: Habitat of endangered species and threatened species, fish habitat, wetlands, Areas of Natural and Scientific Interest (ANSIs), significant valleylands, significant woodlands; significant wildlife habitat (including habitat of special concern species); sand barrens, savannahs, and tallgrass prairies; and alvars. • Key Hydrologic Features: Permanent streams, intermittent streams, inland lakes and their littoral zones, seepage areas and springs, and wetlands. 	<p>The planned project is located on reclaimed land in an industrial site and will not require works beyond the footprint of the existing facility. Therefore, the planned project is not expected to have any negative effects on ecosystem forms and functions.</p>

MECP's Area of Interest	Consideration in Relation to the Project
<ul style="list-style-type: none"> Other natural heritage features and areas such as: vegetation communities, rare species of flora or fauna, Environmentally Sensitive Areas (ESAs), Environmentally Sensitive Policy Areas, federal and provincial parks and conservation reserves, Greenland systems etc. <p>We recommend consulting with the Ministry of Natural Resources and Forestry (MNR), Fisheries and Oceans Canada (DFO) and your local conservation authority to determine if special measures or additional studies will be necessary to preserve and protect these sensitive features. In addition, for projects located in Central Region you may consider the provisions of the Rouge Park Management Plan if applicable.</p>	
<p>Species at Risk</p>	
<p>The Ministry of the Environment, Conservation and Parks has now assumed responsibility of Ontario's Species at Risk program. Information, standards, guidelines, reference materials and technical resources to assist you are found at https://www.ontario.ca/page/species-risk.</p> <p>The Client's Guide to Preliminary Screening for Species at Risk (Draft May 2019) has been attached to the covering email for your reference and use. Please review this document for next steps.</p> <p>For any questions related to subsequent permit requirements, please contact SAROntario@ontario.ca.</p>	<p>The planned project is located on reclaimed land in an industrial site and will not require works beyond the footprint of the existing facility. Therefore, the planned project is not expected to have any negative effects on Species at Risk.</p>
<p>Surface Water</p>	
<p>The report must include enough information to demonstrate that there will be no negative impacts on the natural features or ecological functions of any watercourses within the study area. Measures should be included in the planning and design process to ensure that any impacts to watercourses from construction or operational activities (e.g., spills, erosion, pollution) are mitigated as part of the proposed undertaking.</p> <p>Additional stormwater runoff from new pavement can impact receiving watercourses and flood conditions. Quality and quantity control measures to treat stormwater runoff should be considered for all new impervious areas and, where possible, existing surfaces. The ministry's Stormwater Management Planning and Design Manual (2003) should be referenced in the report and utilised when designing stormwater control methods. A Stormwater Management Plan should be prepared as part of the Environmental Screening Process that includes:</p>	<p>The planned project will not affect the permeability or gradient of existing surfaces, as the project will not require works beyond the footprint of the existing facility. Therefore, potential negative effects to surface water from stormwater runoff due to the project are not different from the existing situation.</p>

MECP's Area of Interest	Consideration in Relation to the Project
<ul style="list-style-type: none"> • Strategies to address potential water quantity and erosion impacts related to stormwater draining into streams or other sensitive environmental features, and to ensure that adequate (enhanced) water quality is maintained • Watershed information, drainage conditions, and other relevant background information • Future drainage conditions, stormwater management options, information on erosion and sediment control during construction, and other details of the proposed works • Information on maintenance and monitoring commitments. <p>Any potential approval requirements for surface water taking or discharge should be identified in the report. A Permit to Take Water (PTTW) under the <i>Ontario Water Resources Act</i> (OWRA) will be required for any water takings that exceed 50,000 L/day, except for certain water taking activities that have been prescribed by the Water Taking Environmental Activity and Sector Registry (EASR) Regulation – <i>O. Reg. 63/16</i>. These prescribed water-taking activities require registration in the EASR instead of a PTTW. Please review the Water Taking User Guide for EASR for more information. Additionally, an ECA under the OWRA is required for municipal stormwater management works.</p>	
Groundwater	
<p>The status of, and potential impacts to any well water supplies should be addressed. If the project involves groundwater takings or changes to drainage patterns, the quantity and quality of groundwater may be affected due to drawdown effects or the redirection of existing contamination flows. In addition, project activities may infringe on existing wells such that they must be reconstructed or sealed and abandoned. Appropriate information to define existing groundwater conditions should be included in the report.</p> <p>If the potential construction or decommissioning of water wells is identified as an issue, the report should refer to Ontario Regulation 903, Wells, under the OWRA.</p> <p>Potential impacts to groundwater-dependent natural features should be addressed. Any changes to groundwater flow or quality from groundwater taking may interfere with the ecological processes of streams, wetlands or other surficial features. In addition, discharging contaminated or high volumes of groundwater to these features may have direct impacts on their function. Any potential effects should be identified, and appropriate mitigation measures should be recommended. The level of detail required will be dependent on the significance of the potential impacts.</p>	<p>The planned project does not involve groundwater takings or changes to drainage patterns. The project will not require works beyond the footprint of the existing facility, and as such potential negative effects on groundwater are no different than the existing situation.</p>

MECP's Area of Interest	Consideration in Relation to the Project
<p>Any potential approval requirements for groundwater taking or discharge should be identified in the report. A PTTW under the OWRA will be required for any water takings that exceed 50,000 Litres(L)/day, with the exception of certain water taking activities that have been prescribed by the Water Taking EASR Regulation – O. Reg. 63/16. These prescribed water-taking activities require registration in the EASR instead of a PTTW. Please review the Water Taking User Guide for EASR for more information.</p> <p>Consultation with the railroad authorities is necessary wherever there is a plan to use construction dewatering in the vicinity of railroad lines or where the zone of influence of the construction dewatering potentially intercepts railroad lines.</p>	
<p>Excess Materials Management</p>	
<p>In December 2019, MECP released a new regulation under the Environmental Protection Act, titled “On-Site and Excess Soil Management” (O. Reg. 406/19) to support improved management of excess construction soil. This regulation is a key step to support proper management of excess soils, ensuring valuable resources don't go to waste and to provide clear rules on managing and reusing excess soil. New risk-based standards referenced by this regulation help to facilitate local beneficial reuse which in turn will reduce greenhouse gas emissions from soil transportation, while ensuring strong protection of human health and the environment. The new regulation is being phased in over time, with the first phase in effect on January 1, 2021. For more information, please visit https://www.ontario.ca/page/handling-excess-soil.</p> <p>The report should reference that activities involving the management of excess soil should be completed in accordance with O. Reg. 406/19 and the MECP's current guidance document titled “Management of Excess Soil – A Guide for Best Management Practices” (2014).</p> <p>All waste generated during construction must be disposed of in accordance with ministry requirements.</p>	<p>The planned project will not require works beyond the footprint of the existing facility, and as such will not produce excess soil.</p> <p>Regarding waste, the replaced parts will become the property of the original equipment manufacturer and will be refurbished or recycled.</p>
<p>Contaminated Sites</p>	
<p>Any current or historical waste disposal sites should be identified in the report. The status of these sites should be determined to confirm whether approval pursuant to Section 46 of the <i>Environmental Protection Act (EPA)</i> may be required for land uses on former disposal sites. We recommend referring to the MECP's D-4 guideline for land use considerations near landfills and dumps.</p>	<p>There are no known current or historical waste disposal sites within the vicinity of the project site according to the MECP landfill sites map (MECP, 2023b). Further the project site is not located within a known contaminated site according to Federal Contaminated Sites Inventory (Treasury Board of Canada Secretariat, n.d.).</p>

MECP's Area of Interest	Consideration in Relation to the Project
<ul style="list-style-type: none"> Resources available may include regional/local municipal official plans and data; provincial data on large landfill sites and small landfill sites; ECA information for waste disposal sites on Access Environment. <p>Other known contaminated sites (local, provincial, federal) in the study area should also be identified in the report (Note – information on federal contaminated sites is found on the Government of Canada's website).</p> <p>The location of any underground storage tanks should be investigated in the report. Measures should be identified to ensure the integrity of these tanks and to ensure an appropriate response in the event of a spill. The ministry's Spills Action Centre must be contacted in such an event.</p> <p>Since the removal or movement of soils may be required, appropriate tests to determine contaminant levels from previous land uses or dumping should be undertaken. If the soils are contaminated, you must determine how and where they are to be disposed of, consistent with Part XV.1 of the EPA and Ontario Regulation 153/04, Records of Site Condition, which details the new requirements related to site assessment and clean up. Please contact the appropriate MECP District Office for further consultation if contaminated sites are present.</p>	<p>The planned project will not disturb soils as the project will not require works beyond the footprint of the existing facility. Therefore, the project will not interact with contaminated sites.</p>
<p>Servicing, Utilities and Facilities</p>	
<p>The report should identify any above or underground utilities in the study area such as transmission lines, telephone/internet, oil/gas etc. The owners should be consulted to discuss impacts to this infrastructure, including potential spills.</p> <p>The report should identify any servicing infrastructure in the study area such as wastewater, water, stormwater that may potentially be impacted by the project.</p> <p>Any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste must have an ECA before it can operate lawfully. Please consult with MECP's Environmental Permissions Branch to determine whether a new or amended ECA will be required for any proposed infrastructure.</p> <p>We recommend referring to the ministry's environmental land use planning guides to ensure that any potential land use conflicts are considered when planning for any infrastructure or facilities related to wastewater, pipelines, landfills or industrial uses.</p>	<p>The planned project will not interfere with existing servicing, utilities or facilities as the project will not require works beyond the footprint of the existing facility or require additional servicing.</p> <p>The existing transmission system will be able to manage the additional electrical load produced by the project.</p>
<p>Mitigation and Monitoring</p>	

MECP's Area of Interest	Consideration in Relation to the Project
<p>Contractors must be made aware of all environmental considerations so that all environmental standards and commitments for both construction and operation are met. Mitigation measures should be clearly referenced in the report and regularly monitored during the construction stage of the project. In addition, we encourage proponents to conduct post-construction monitoring to ensure all mitigation measures have been effective and are functioning properly.</p> <p>Design and construction reports and plans should be based on a best management approach that centres on the prevention of impacts, protection of the existing environment, and opportunities for rehabilitation and enhancement of any impacted areas.</p> <p>The proponent's construction and post-construction monitoring plans must be documented in the report.</p>	<p>No changes to environmental features are expected given that the upgrades will take place within the existing facility and the existing facility footprint will not change. As such, the screening exercise in Section 3.4 identified that, without any mitigation, all regulatory requirements will be met, and no other impact management commitments will be required. Atura Power will continue to manage air emissions from PEC through ongoing continuous emissions monitoring per the terms and conditions of their ECA.</p>
<p>Consultation</p>	
<p>The report must demonstrate how the consultation provisions of the Environmental Screening Process have been fulfilled, including documentation of all stakeholder consultation efforts undertaken during the planning process. This includes a discussion in the report that identifies concerns that were raised and describes how they have been addressed by the proponent throughout the planning process. The report should also include copies of comments submitted on the project by interested stakeholders, and the proponent's responses to these comments (as directed by the Guide to Environmental Assessment Requirements for Electricity Projects to include full documentation).</p> <p>Please include the full stakeholder distribution/consultation list in the documentation.</p>	<p>A description of engagement undertaken with Indigenous communities, members of the public, the municipal staff and elected officials, and agencies is provided Section 4. Copies of the correspondence records are provided in Appendix B3 to B5, except for records capturing engagement between the project team and Indigenous communities, which are being shared directly with each Indigenous community engaged during the Environmental Screening Process.</p>
<p>Environmental Screening Process</p>	
<p>The purpose of the Environmental Screening report is to document the process followed and the conclusions reached. It should provide clear and complete documentation of the planning process in order to allow for transparency in decision-making and to allow for its timely review by government agencies, and interested persons, including Indigenous communities.</p> <p>The Environmental Screening Process requires the consideration of the effects of the project on all aspects of the environment (including planning, natural, social, cultural, economic, technical). The report should include a level of detail (e.g. hydrogeological investigations, terrestrial and aquatic assessments, cultural heritage assessments) such that all potential impacts can be identified, and appropriate mitigation measures can be</p>	<p>The requirements of the Environmental Screening Process are documented in Section 1.3 of this report. In addition to the requirements of the Environmental Screening Process, Atura Power is voluntarily sharing this draft Screening Report with Indigenous communities, key agencies, and interested members of the public to offer an additional opportunity for those interested to review the project details, the Environmental Screening Process undertaken for the project, and the assessment findings. Requirements associated with other permits and approvals are documented in Section 2.</p>

MECP's Area of Interest	Consideration in Relation to the Project
<p>developed. Any supporting studies conducted during the Environmental Screening Process should be referenced and included as part of the report.</p> <p>There are two possible stages of review required under the Environmental Screening Process, depending on the environmental effects of a project: a Screening stage and an Environmental Review stage.</p> <ul style="list-style-type: none"> • All projects that are subject to the process are required to go through the Screening stage, which requires proponents to apply a series of screening criteria to identify the potential environmental effects of the project. • A more detailed study (an Environmental Review) is required if potential concerns are raised during the Screening stage that could not be readily addressed. <p>Please include in the report a list of all subsequent permits or approvals that may be required for the implementation of the project, including but not limited to, MECP's PTTW, EASR Registrations and ECAs, conservation authority permits, species at risk permits, Ministry of Transportation (MTO) permits and approvals under the <i>Impact Assessment Act</i>, 2019.</p> <p>Proponents are encouraged to circulate a draft of the Environmental Review Report, or relevant sections of the report, to the appropriate agencies and key stakeholders for comment prior to the formal review periods.</p> <p>Ministry guidelines and other information related to the issues above are available at http://www.ontario.ca/environment-and-energy/environment-and-energy. We encourage you to review all the available guides and to reference any relevant information in the report.</p>	

3.4 Review of Screening Criteria

The Screening Criteria Checklist as presented in **Appendix B** of the Guide provides the following questions that must be answered with ‘Yes’ or ‘No’ based on whether the project has potential for negative effects on these criteria prior to any mitigation being applied. Additional information is also provided to support the selected response. Each criterion is based on a question which is prefaced with the phrase: “Will the project...”

1. Surface and Ground Water

Criterion	Yes	No	Additional Information
1.1 have negative effects on surface water quality, quantities or flow?		X	The planned project will not have any effects on Lake Ontario. Surface water quality, quantities or flow will not be affected by project activities.
1.2 have negative effects on ground water quality, quantity or movement?		X	The planned project will not have any effects on ground water quality or quantity as project activities will not require water taking or change water drainage at the existing PEC facility.
1.3 cause significant sedimentation, soil erosion or shoreline or riverbank erosion on or off site?		X	All planned project activities will occur within the existing PEC footprint and will not require soil movement.
1.4 cause potential negative effects on surface or ground water from accidental spills or releases to the environment?		X	All planned project activities will occur within the existing PEC footprint within an industrial area and away from water resources. If an accidental spill occurred it would be within the plant and existing spills management protocols will be undertaken to report and clean the spill.

2. Land

Criterion	Yes	No	Additional Information
2.1 have negative effects on residential, commercial or institutional land uses within 500 metres (m) of the site?		X	All planned project activities will occur within the existing PEC footprint.
2.2 be inconsistent with the <i>Provincial Policy Statement</i> , provincial land use or resource management plans?		X	The planned project is consistent with Section 1.6.11.1 of the <i>Provincial Policy Statement</i> . Provincial land use will not change as a result of the project. The project is being undertaken in response to the IESO’s plan to meet Ontario’s energy needs.

Criterion	Yes	No	Additional Information
2.3 be inconsistent with municipal land use policies, plans and zoning by-laws?		X	The planned project is consistent with municipal land use policies and zoning amendments will not be required as a result of the project. The project is located on lands designated as regeneration area and subject to the Central Waterfront Secondary Plan.
2.4 use hazard lands or unstable lands subject to erosion?		X	All planned project activities will occur within the existing PEC footprint and will not affect hazard or unstable lands.
2.5 have potential negative effects related to the remediation of contaminated land?		X	The planned project works will not require remediation of contaminated land.

3. Air and Noise

Criterion	Yes	No	Additional Information
3.1 have negative effects on air quality due to emissions of nitrogen dioxide, sulphur dioxide, suspended particulates, or other pollutants?		X	GE Gas Power Services, the manufacturer of the equipment being installed for the upgrades, provided a letter dated May 26, 2023, stating that the upgrades to the turbine generator “will maintain [air] emissions levels at or below site permit levels.” A copy of the GE Gas Power Services letter can be found in Appendix A . The facility will continue to operate within all environmental permitting requirements.
3.2 cause negative effects from the emission of greenhouse gases (carbon dioxide (CO ₂), methane)?		X	Planned project works will improve the efficiency of the gas turbines and as a result will reduce the greenhouse gas intensity (i.e., the ratio of CO ₂ equivalent emissions to total electricity generation) of the facility.
3.3 cause negative effects from the emission of dust or odour?		X	The project will not have effects from the emissions of dust or odour.
3.4 cause negative effects from the emission of noise?		X	GE Gas Power Services, the manufacturer of the equipment being installed for the upgrades, provided a letter dated March 30, 2023, stating that the upgrades are “not expected to increase noise levels from the facility.” A copy of the GE Gas Power Services letter can be found in Appendix A . The facility will continue to operate within all environmental permitting requirements.

4. Natural Environment

Criterion	Yes	No	Additional Information
4.1 cause negative effects on rare, threatened or endangered species of flora or fauna or their habitat?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. Atura Power has procedures in place if rare, threatened or endangered species are encountered.
4.2 cause negative effects on protected natural areas such as ANSIs, ESAs or other significant natural areas?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on protected natural areas such as ANSIs, ESAs or other significant natural areas will occur.
4.3 cause negative effects on wetlands?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on wetlands will occur.
4.4 have negative effects on wildlife habitat; populations, corridors or movement?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on wildlife habitat, populations, corridors or movement will occur.
4.5 have negative effects on fish or their habitat, spawning, movement or environmental conditions (e.g., water temperature, turbidity, etc.)?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on fish or their habitat, spawning, movement or environmental conditions will occur.
4.6 have negative effects on migratory birds, including effects on their habitat or staging areas?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. Atura Power has procedures in place if migratory birds are encountered.
4.7 have negative effects on locally important or valued ecosystems or vegetation?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on locally important or valued ecosystems or vegetation will occur.

5. Resources

Criterion	Yes	No	Additional Information
5.1 result in inefficient (below 40%) use of a non-renewable resource (efficiency is defined as the ratio of output energy to input energy, where output energy includes electricity produced plus useful heat captured)?		X	There will be a decrease in 177.9 British thermal units (BTU)/ kWh Lower Heating Value (LHV) per unit. Improved thermal efficiency will occur. The overall plant efficiency will remain above the ECA thermal efficiency requirement.
5.2 have negative effects on the use of Canada Land Inventory Class 1-3, specialty crop or locally significant agricultural lands?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on agricultural lands will occur.
5.3 have negative effects on existing agricultural production?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on agricultural lands will occur.

Criterion	Yes	No	Additional Information
5.4 have negative effects on the availability of mineral, aggregate or petroleum resources?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on mineral, aggregate or petroleum resources will occur.
5.5 have negative effects on the availability of forest resources?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on forest resources will occur.
5.6 have negative effects on game and fishery resources, including negative effects caused by creating access to previously inaccessible areas?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on game and fishery resources will occur.

6. Socio-economic

Criterion	Yes	No	Additional Information
6.1 have negative effects on neighbourhood or community character?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on neighbourhood or community character will occur.
6.2 have negative effects on local businesses, institutions or public facilities?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on local businesses, institutions or public facilities will occur.
6.3 have negative effects on recreation, cottaging or tourism?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. No effects on neighbourhood or community recreation, cottaging or tourism are anticipated.
6.4 have negative effects related to increases in the demands on community services and infrastructure?		X	The planned project will not increase demands on community services and infrastructure.
6.5 have negative effects on the economic base of a municipality or community?		X	The planned project will not have negative effects on the economic base of a municipality or community.
6.6 have negative effects on local employment and labour supply?		X	The planned project will not have negative effects on local employment and labour supply.
6.7 have negative effects related to traffic?		X	The planned project will not have negative effects related to traffic as all the necessary parts will likely be delivered in one vehicle, similar to current maintenance activities.
6.8 cause public concerns related to public health and safety?		X	The planned project will not affect public health or safety.

7. Heritage and Culture

Criterion	Yes	No	Additional Information
7.1 have negative effects on heritage buildings, structures or sites, archaeological resources, or cultural heritage landscapes?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. The planned project will not affect heritage buildings, structures or sites, archaeological resources, or cultural heritage landscapes.
7.2 have negative effects on scenic or aesthetically pleasing landscapes or views?		X	Planned project works will take place entirely within lands that have been built-up and industrialised and will not result in taller structures. No effects on scenic or aesthetically pleasing landscapes or views will occur.

8. Indigenous

Criterion	Yes	No	Additional Information
8.1 cause negative effects on Indigenous communities?		X	Planned project works will take place entirely within lands that have been built-up and industrialised. Engagement activities with Indigenous communities to date are documented in Section 4 ; engagement with these communities is ongoing and will continue beyond the Environmental Screening Process.

9. Other

Criterion	Yes	No	Additional Information
9.1 result in the creation of waste materials requiring disposal?		X	Waste disposal will not be required as replaced parts will become the property of the original equipment manufacturer and will be refurbished or recycled.
9.2 cause any other negative environmental effects not covered by the criteria outlined above?		X	No other environmental effects have been identified as a result of the planned project.

The above review of the PEC Efficiency Upgrades project against the Screening Criteria in **Appendix B** of the Guide has determined that the response to all questions is "No", indicating that there are no potential negative environmental effects resulting from the project.

3.5 Mitigation Measures, Residual Net Effects, and Impact Management Commitments

The Screening identified that, without any mitigation, all regulatory requirements will be met, and no other impact management commitments will be required. Atura Power will continue to manage air emissions from PEC through ongoing continuous emissions monitoring per the terms and conditions of the facility's ECA.

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4. Engagement

Engagement with Indigenous communities, the public and agencies is a key component of the EA process and was integrated from the initial development stages of the project planning and will continue throughout the Environmental Screening Process.

This section describes the engagement activities that were undertaken and demonstrates how Atura Power meets and exceeds the engagement requirements of the O.Reg. 116/01 Environmental Screening Process. This section is organised as follows:

- **Section 4.1** – Engagement Program
- **Section 4.2** – Notice of Commencement
- **Section 4.3** – Public Engagement
- **Section 4.4** – Engagement with Municipal Staff and Elected Officials
- **Section 4.5** – Agency Engagement
- **Section 4.6** – Indigenous Engagement
- **Section 4.7** – Other Engagement
- **Section 4.8** – Draft Screening Report
- **Section 4.9** – Notice of Completion

4.1 Engagement Program

According to the Guide, proponents are required to prepare a Notice of Commencement at the beginning of the Environmental Screening Process and a Notice of Completion upon the completion of the Environmental Screening Process. Proponents are also required to document the engagement program and engagement activities, agencies contacted, a summary of concerns or issues, and how concerns and issues have been addressed. Further, the public engagement program should:

- “identify potentially affected stakeholders;
- describe how the project may affect the environment;
- provide appropriate notification to identified stakeholders as prescribed in the Environmental Screening/Review Process;
- inform the public where, when and how they can be involved;
- identify public concerns and issues related to the project;
- address public concerns and issues raised during the program; and
- document how public input is taken into account in the screening process and in the project planning and development” (Government of Ontario, 2023).

The goal of the PEC upgrades engagement program is to facilitate information sharing and provide an opportunity for concerns and issues to be raised and responded to as part of the Environmental Screening Process. Furthermore, it serves to build a positive relationship between Atura Power, the local community, Indigenous communities and any members of the public who may be interested in the project. To achieve this goal and meet the above EA engagement requirements, several communication tools and engagement activities were applied as described in **Section 4.1.1. Sections 4.2 to 4.7** provide a description of engagement with the public, municipal and elected officials, agencies and Indigenous communities to date.

4.1.1 Communication Tools and Engagement Activities

Below is an overview of the communication tools and engagement activities that were undertaken for the PEC upgrades.

- **Project contact list** – a project contact list was developed by researching the area around PEC to identify potentially interested groups, including elected officials and municipal staff. Agencies were identified using the “Environmental Assessment Government Review Team Master Distribution List” (MECP, 2023c). Indigenous communities were identified based upon proximity to, and potential interest in, the project.
- **Comment tracking tool** – a database was developed to track comments that were received on the project. The database includes details such as who provided comments and when and how comments were received, as well as responses provided by the project team, and when and how the responses were provided.
- **Project webpage** – a project webpage (<https://aturapower.com/portlandsupgrade>) was developed and maintained throughout the duration of the project. The webpage contains information on the project, the Environmental Screening Process, project timeline, project documents, public meeting materials, and a contact form for sending questions and comments to the project team.
- **Newspaper advertisements, emails and direct mailouts of notices and accompanying letters** – several methods were used to distribute project notices. These methods were selected based on either identified preference or previous project experience as the most appropriate and effective way of communicating with the public, agencies and Indigenous communities. **Sections 4.2 to 4.6** note the distribution methods for each notice.
- **Public meeting** – a virtual public meeting was hosted to share information about the project and provide an opportunity for attendees to ask questions and provide feedback. More information on the meeting is provided in **Section 4.3.1**.
- **Frequently Asked Questions (FAQs)** – a FAQs document was developed and provided on the project webpage, including general project information as well as responses to commonly asked questions and comments received on the project.
- **Draft Screening Report** – this draft Screening Report has been distributed to Indigenous communities, key agencies, and interested members of the public to offer

an additional opportunity for those interested to review project details, the Environmental Screening Process undertaken, and assessment findings. Atura Power is voluntarily providing this opportunity so that comments can be incorporated in the final Screening Report which will be published for a mandated 30-day review period.¹

4.1.2 Documentation and Record of Engagement

Sections 4.3 to 4.7 document the comments received from the public, agencies and Indigenous communities to date. Copies of correspondence are provided in **Appendix B3** to **B5** from the date the project commenced on September 6, 2023, to November 2, 2023. Note, any personal information for members of the public has been redacted from these records to maintain privacy.

4.2 Notice of Commencement

The project commenced with the publication of the Notice of Commencement on September 6, 2023, in several local and regional newspapers including the *Toronto Star*, *Toronto Sun*, and *Beach Metro*. Copies of the publications are provided in **Appendix B1**. The notice included a project description stating the nature of the project, location, details, and purpose. The notice also communicated the start of the Environmental Screening Process and concluded by providing project contacts and details of an upcoming virtual meeting. This notice can be found in **Appendix B1**.

The notice was distributed to recipients potentially interested in the project via a variety of methods as shown in **Table 4-1**. Covering letters, when provided, included details on the project and explained the planned engagement process, including the virtual public meeting (see **Appendix B1**).

Table 4-1: Notice of Commencement Recipients

Type	Recipient	Method	Date
Provincial and Federal Ministries	Member of Parliament for Toronto-Danforth	Mail / email of covering letter and notice	Mail – Sept 5, 2023 Email – Sept 6, 2023
	Conseil scolaire Viamonde (Association des conseils scolaires des écoles publiques de l'Ontario)		
	Independent Electricity System Operator (IESO)		
	Ministry of Citizenship and Multiculturalism		
	Ministry of Energy		
	Ministry of Environment, Conservation and Parks		

¹ Atura Power has posted this draft Screening Report on the project webpage, aturapower.com/portlandsupgrade, and shared a copy of the draft Screening Report via email with those who have reached out to our project email inbox, portlandupgrade@aturapower.com, to date.

Type	Recipient	Method	Date
	Ministry of Infrastructure		
	Ministry of Mines		
	Ministry of Natural Resources and Forestry		
	Ministry of Transportation		
	Ministry of Tourism, Culture and Sport		
	Toronto Catholic School Board		
	Toronto District School Board		
Regional and Municipal Contacts	City of Toronto – Office of the Mayor and City Councillors	Mail / email of covering letter and notice	Mail – Sept 5, 2023 Email – Sept 6, 2023
	City of Toronto - City Planning		
	City of Toronto - Environment and Climate Department		
	City of Toronto - Fire Services		
	City of Toronto - Parks, Forestry and Recreation		
	City of Toronto - Toronto Water		
	Toronto and Region Conservation Authority (TRCA)		
	Toronto Economic Development Corporation		
	York Region		
Other Agencies/Utilities	Ashbridges Bay Waste Water Treatment	Mail / email of covering letter and notice	Mail – Sept 5, 2023 Email – Sept 6, 2023
	Canadian National Railway		
	Canadian Pacific Railway		
	Cherry Beach Park		
	Cherry Beach Sports fields		
	Commissioners Street Transfer Station		
	Go Transit and Metrolinx		
	Hydro One Networks Inc. (HONI)		
	Independent Electricity System Operator (IESO)		
	Ontario Power Generation		
	Toronto Fire Services		
	Toronto Hydro		
	Toronto Police Service		
	Toronto Port Authority		
	Toronto Port Lands Company		
	Waterfront Toronto		
Adjacent Property Owners/ Tenants	Seven notices delivered to properties adjacent to the project site	Mail / email of covering letter and notice	Mail – Sept 5, 2023 Email – Sept 6, 2023
Indigenous Communities	Mississaugas of the Credit First Nation (MCFN)	Email of covering letter and notice	Sept 6, 2023
	Six Nations of the Grand River		

Type	Recipient	Method	Date
	Haudenosaunee Development Institute (HDI)		
	Métis Nation of Ontario (MNO)		

Indigenous communities were contacted through an early engagement process (**Section 4.6**). The Notice of Commencement and an accompanying covering letter to contacts were shared on September 6, 2023.

A separate letter was emailed on September 6, 2023, to three contacts from the MECP. This letter contained information about the project, including a completed copy of the MECP’s Project Information Form, as well as a request for any Indigenous communities to be engaged as part of the planned project. This MECP covering letter can be found in **Appendix B1**.

4.3 Public Engagement

Atura Power facilitated public engagement opportunities and processes throughout the project. Public engagement began with the distribution of the Notice of Commencement on September 6, 2023. Through the notice, members of the public were encouraged to share their questions or feedback with the project team through the project email address. Additionally, the notice directed members of the public to additional project information and resources accessible on the project webpage. The notice also invited members of the public to a virtual public meeting where they would have the opportunity to learn more about the project and share their questions during a moderated question and answer period (see **Section 4.3.1**).

Both the project email and webpage have been and will continue to be available to the public throughout the life of the project. A summary of public comments received over the course of the project, from the date the project commenced on September 6, 2023, to November 2, 2023, is also provided² (see **Section 4.3.2**).

4.3.1 Virtual Public Meeting

An invitation to the virtual public meeting was provided in the Notice of Commencement. Along with the initial distribution of the Notice of Commencement on September 6, 2023, Atura Power sent an email to remind participants of the upcoming virtual public meeting on October 3, 2023.

The virtual public meeting was scheduled for 6:30 to 7:30 p.m. Eastern Time (ET). The meeting began at 6:30 p.m. ET with a PowerPoint presentation on the upgrades project description and associated Environmental Screening Process. The presentation was followed by a moderated Question & Answer (Q&A) session during which time members of the public submitted their questions to Atura Power via a chat function. To address as many questions as possible, Atura Power prioritised questions relevant to the PEC upgrades project and the associated Environmental Screening Process. The meeting was extended to 7:40 p.m. ET to accommodate

² The final version of the Screening Report will include a summary of all public engagement received over the course of the project. As this is a draft Screening Report, Atura Power can only include engagement received up to a recent date.

the interest that was noted during the Q&A period and answer as many project-specific questions as possible.

More than 100 people attended the virtual public meeting. Approximately 190 comments and questions were submitted during the meeting. A list of questions and comments organized by category, and Atura Power's response to them, is provided in **Appendix B3**. A record of all comments and questions that were received verbatim via the chat function during the public meeting are provided in **Appendix B2**.

4.3.2 Summary of Public Comments

Members of the public shared questions, comments and feedback with Atura Power via two main communication methods including the project email address, portlandupgrade@aturapower.com, and the moderated Q&A session during the virtual public meeting on October 5, 2023. Atura Power received approximately 200 questions and/or comments during the virtual public meeting and approximately 80 emails via the project email address, many of which were duplicative in nature. Through these two methods of communication, members of the public voiced questions and comments on topics shown in **Table 4-2**. The complete list of questions and comments, and Atura Power's responses to them, is provided in **Appendix B3**.

Table 4-2: Summary of Public Comment Categories and Sub-Categories³

Category	Sub-Category
Atura Power	Atura's Future Plans
	Battery Storage Systems
	Conservation Initiatives
	Future Plans
	Hydrogen
	Renewable Energy Portfolio
Comment/Opinion	Contact List Request
Costs	General
	Capacity vs. Generation
	Other
Air & Noise	Air Quality
	Emissions of Greenhouse Gases (GHGs)
	Emissions Reporting
Environmental Screening Process	Engagement Process
	Indigenous Engagement
	Public Meeting Format
	Screening Report and Public Review Period
Exemption Request	n/a
Facility Operations	Operating Capacity
	Operating Frequency
	Operations Contract
	Portlands Energy Centre
	Waste Heat
	Water Use
	Other
Project Description	General
	Efficiency Upgrades
	Hydrogen
	Schedule
Project Need	Consideration of Alternatives
	Independent Electricity System Operator (IESO)
	Independent Electricity System Operator (IESO) Procurement Process
	Role of Gas in Ontario Energy Supply
	Upgrades vs. Expansion
Request for Project/Meeting Materials	n/a

³ A small number of questions related to the PEC upgrades project were also submitted to Atura Power via other means, such as Atura Power's media inquiries email inbox. Those questions are also reflected in Table 4-2 as well as included in the project records of engagement Appendix B3.

4.4 Engagement with Municipal Staff and Elected Officials

Throughout the operation of PEC, Atura Power has endeavoured to build strong relationships with the City of Toronto leadership and elected officials and continues to do so. To support that effort, communication between the project team and municipal staff and elected officials has been ongoing to ensure that the City of Toronto and its representatives are aware of the project's status and activities. As mentioned in **Section 4.2**, the City of Toronto was provided a Notice of Commencement. The notice was sent via email to municipal staff, the mayor and relevant city councillors, and the relevant provincial and federal Members of Parliament on September 6, 2023. In cases where responses to the Notice of Commencement were not received, follow-up phone calls were made to extend an invitation to meet and further discuss the project and explain how Atura Power and PEC can help meet the City of Toronto's growing energy needs. Voicemails summarising the project details, offering opportunities to meet to discuss project details, and sharing contact information were left in instances where the project team was unable to reach contacts over the phone.

Table 4-3 below documents the correspondence between the municipal representatives and the project team following the distribution of the Notice of Commencement. All other correspondence with municipal staff and elected officials following the distribution of the notice occurred via email; copies of the emails are provided in **Appendix B4**.

Table 4-3: Correspondence with Municipal Representatives

Organisation	Title and/or Department	Communication Method	Communication Summary
City of Toronto, Office of the Mayor	Mayor, City of Toronto	Email	On September 6, 2023, the City of Toronto, Office of the Mayor was contacted via email to share a summary of the PEC upgrades project. A covering letter and copy of the Notice of Commencement were attached. An opportunity to meet, at the Mayor's convenience, to further discuss the project was also offered.
		Phone Call	On September 19, 2023, a follow up call was made to the Office of the Mayor regarding the Notice of Commencement and invitation to meet to further discuss the project. The Mayor was not available but a voicemail was left.
		Email	On September 19, 2023, a follow up email was sent to the Office of the Mayor noting previous outreach, reiterating the offer to meet to review the project and answer any questions.
City of Toronto	City of Toronto, Toronto-Danforth	Email	On September 6, 2023, a City of Toronto Councillor was contacted via email to share a summary of the PEC upgrades project along with a covering letter and copy of the Notice of Commencement. An opportunity to meet, at the Councillor's convenience, to further discuss the project was also offered.
		Phone Call	On September 19, 2023, a follow up call was made to the City of Toronto Councillor regarding the Notice of Commencement and invitation to meet to further discuss the project. The Toronto Councillor was not available but a voicemail was left.
		Email	On September 19, 2023, a follow up email to the City of Toronto Councillor was made, as directed, noting previous outreach and extending an offer to meet to review the project and answer any questions.
City of Toronto	Member of Parliament, Toronto-Danforth	Email	On September 6, 2023, a City of Toronto, Member of Parliament was contacted via email to share a summary of the PEC upgrades project. A covering letter and copy of the Notice of Commencement were attached.
City of Toronto	Member of Provincial Parliament, Toronto-Danforth	Email	<p>On September 6, 2023, a City of Toronto, Member of Provincial Parliament (MPP) was contacted via email to share a summary of the PEC upgrades project. A covering letter and copy of the Notice of Commencement were attached.</p> <p>On September 12, 2023, a representative of the Toronto MPP responded on behalf of the MPP, confirming that they looked forward to attending the virtual public meeting scheduled for October 5, 2023. Atura Power and a member of the MPP's office corresponded from September 12, 2023, to October 2, 2023, confirming plans for the MPP to attend the public meeting and to address the MPP's request to be added to the project contact list to receive updates and notifications regarding the project.</p>

4.5 Agency Engagement

As discussed in **Section 4.2**, several agencies were sent a Notice of Commencement for the project. A full list of agency contacts can be found in **Appendix B5**.

Table 4-4 below notes the correspondence between agencies and the project team following the distribution of the Notice of Commencement.

Correspondence records with agencies are provided in **Appendix B5**.

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Table 4-4: Correspondence with Agencies

Organisation	Title and/or Department	Communication Method	Communication Summary
Hydro One Networks Inc. (HONI)	Secondary Land Use Asset Optimisation Strategy & Integrated Planning	Email	<p>On September 6, 2023, Atura Power shared a covering letter and copy of the Notice of Commencement.</p> <p>On September 11, 2023, a representative from HONI shared an attachment, describing it as HONI’s response to the Notice of Commencement. In the attached response, HONI confirmed that there are no existing HONI Transmission assets in the subject area. The response closed with the request for Atura Power to contact HONI if plans for the undertaking change or the study area expands beyond that shown in the project materials. No other comments were raised. A copy of the attachment is provided in Appendix B5. No response was required.</p>
Ministry of Natural Resources and Forestry (MNRF)	Regional Planner Land Use Planning and Strategic Issues Section Southern Region	Email	<p>On September 6, 2023, Atura Power shared a covering letter and copy of the Notice of Commencement.</p> <p>On September 14, 2023, a representative from the MNRF confirmed receipt of the Notice of Commencement and shared documentation to guide Atura Power in identifying ministry interests and engaging the ministry for advice, as needed, during the Environmental Screening Process. Copies of the attachments are provided in Appendix B5.</p> <p>On September 27, 2023, the project team responded to MNRF, acknowledging receipt of the materials and guidance provided by MNRF.</p>
Toronto Fire Services, Office of the Fire Chief	Administrative Assistant for Matthew Pegg, Fire Chief and General Manager	Email	<p>On September 6, 2023, Atura Power shared a covering letter and copy of the Notice of Commencement.</p> <p>On September 14, 2023, a representative from the Office of the Fire Chief confirmed receipt of the Notice of Commencement and indicated they had shared it with the appropriate division who would contact Atura Power for further information, if needed. No additional information or response was received.</p>
Toronto and Region Conservation Authority (TRCA)	Planner Infrastructure Planning and Permits Development and Engineering Services	Email	<p>On September 6, 2023, Atura Power shared a covering letter and copy of the Notice of Commencement.</p> <p>On September 19, 2023, a representative from TRCA confirmed receipt of the Notice of Commencement, indicated TRCA would be preparing a formal response, and requested project materials following the public meeting scheduled for October 5, 2023. Atura Power and TRCA representative corresponded from September 19, 2023, to October 31, 2023, when the TRCA representative shared a formal response.</p>

Organisation	Title and/or Department	Communication Method	Communication Summary
<p>Ministry of Environment, Conservation and Parks (MECP)</p>	<p>Regional Environmental Planner Environmental Assessments Branch</p>	<p>Email</p>	<p>On September 6, 2023, Atura Power shared a covering letter and copy of the Notice of Commencement.</p> <p>On October 16, 2023, a representative from the MECP confirmed receipt of the Notice of Commencement and shared guidance for consideration over the course of the Environmental Screening Process. A copy of the attachment is provided in Appendix B5.</p>

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4.6 Indigenous Engagement

Atura Power engaged with HDI, MCFN, as well as Six Nations of the Grand River and MNO, prior to publicly issuing the Notice of Commencement, and has since worked to foster continuous dialogue with these communities. The following **Sections 4.6.1 to 4.6.4** provide a narrative of the engagement that was undertaken with these communities from the pre-engagement phase in June 2023 to mid-November 2023.

Correspondence records capturing engagement between Atura Power and each Indigenous community have been shared directly with each Indigenous community engaged during the Environmental Screening Process.

4.6.1 Summary of Engagement with HDI

Atura Power and the Haudenosaunee Development Institute (HDI) have been engaging in a series of communications and meetings as part of the ongoing discussions about Atura Power's energy projects and their impacts on the communities represented by HDI. The dialogue focuses on Atura Power's planned upgrades at PEC to enhance efficiency and build Ontario's more resilient electricity grid. Before the public announcement of the Notice of Commencement for these projects, Atura Power provided advanced notices to HDI, outlining the project details and the avenues for feedback and further information.

The exchanges between the two entities have also encompassed operational matters such as documentation requests. HDI seeks clarity and detailed records on environmental, regulatory, and federal approvals for Atura Power's assets. Moreover, HDI has raised explicit concerns regarding the potential impacts on Haudenosaunee rights and interests due to Atura Power's broader operations. These issues raised by HDI underline the broader context of historical challenges and the necessity for continued transparent and honest communication.

The discussions will continue, ensuring that the Haudenosaunee Confederacy Chiefs and Clanmothers can attend and contribute to the conversation. Atura Power has committed to full engagement and consultation with HDI, indicating plans for future meetings to discuss various projects, including the PEC efficiency upgrades. These meetings aim to inform and involve HDI in the decision-making processes, address environmental concerns, and ensure that the terms of reference for the Joint Liaison Committee meetings foster effective and respectful dialogue.

4.6.2 Summary of Engagement with MNO

Atura Power has been engaged in a series of communications with the Metis Nation of Ontario concerning various energy projects. The discussions have been focused on sharing information and soliciting feedback on planned upgrades to key energy-generating stations within Ontario, namely PEC. The correspondence has involved coordination for future discussions to ensure that the MNO is adequately informed and has the opportunity to provide input on the developments that may affect their traditional territories.

Notably, Atura Power has conveyed its intentions to proceed with upgrades to PEC, which will involve installing more efficient components to enhance the facility's performance. To maintain a transparent relationship with the MNO, Atura Power has provided advanced notice regarding the Notice of Commencement for the public, detailing the project's scope and expected enhancements. They have also extended invitations for feedback and further discussion on the proposed upgrades, emphasising their availability for additional clarification and support. Atura Power has scheduled a virtual public meeting to discuss the project's details, reiterating their approach to open communication and engagement with the MNO and other stakeholders.

4.6.3 Summary of Engagement with Six Nations of the Grand River

The communications between Atura Power and the Lands and Resources Department of Six Nations of the Grand River have centred around various energy projects and their potential environmental impacts. In particular, these discussions covered the subject of long-term procurement with the IESO.

The dialogue has been constructive, with Atura Power engaging in follow-ups post-meeting to ensure a clear understanding and address concerns from the Six Nations community. The community has also expressed interest in the details of water permits associated with the project. In response, Atura Power has committed to sharing, and has shared, draft agreements, such as a Framework Agreement/Memorandum of Understanding, and to issuing notices, such as the Notice of Commencement for the project. They have also promised to provide feedback opportunities for the Screening Report and Notice of Completion concerning Efficiency Upgrade projects, ensuring the community's input is considered in these developments.

4.6.4 Summary of Engagement with MCFN

Atura Power and the Mississaugas of the Credit First Nation (MCFN) have engaged in communications regarding Atura Power's proposed upgrades at various energy facilities, including PEC located in Toronto, Ontario. Atura Power initiated the dialogue by informing MCFN's leadership about the Notice of Commencement for the PEC upgrades and offered to provide detailed materials and respond to inquiries. The proposed project involves upgrading PEC's existing infrastructure to enhance its energy output. MCFN responded with a preference for direct consultation with Atura Power, highlighting their Unextinguished Aboriginal Title Claim to the waters used by PEC, underscoring the importance of direct engagement on the project, which falls within MCFN's treaty territory. MCFN indicated that there are no significant concerns from the community regarding the PEC Upgrade project.

Atura Power is seeking to coordinate further meetings with MCFN to continue to provide updates on the PEC upgrades project and has shared detailed plans, including replacing natural gas fired combustion turbines with more efficient components, which are expected to increase the facility's output. A virtual public meeting was scheduled to discuss the project details further. Moreover, Atura Power has been transparent about upcoming communications regarding additional projects in MCFN's treaty and traditional territory, maintaining a commitment to sharing information and engaging with the First Nation community.

Follow-up communications from Atura Power have reiterated the ongoing discussions about energy projects, including hosting a virtual public meeting for the PEC project. These steps demonstrate Atura Power's proactive approach to keeping MCFN informed and involved in the projects affecting their territory, emphasising environmental considerations and respect for MCFN's claims and governance.

A copy of this draft Screening Report was shared also with the above four communities that were engaged during the Environmental Screening Process, at the time of the public release of the draft report.

Atura Power is committed to a continuous process of relationship-building and communication with Indigenous communities neighbouring current and future projects. As such, engagement is ongoing to provide continued open communication and dialogue between Indigenous communities engaged on this project.

4.7 Other Engagement

In addition to the correspondence summarised above, Atura Power also received enquiries from two members of the local media, one from each of the Toronto Star and CBC Toronto, respectively. Correspondence between Atura Power and members of the media related to the scope of the project were limited to confirming project and PEC operations details and addressing a request to be added to the project contact list to receive future project updates and notifications. All correspondence with members of the media occurred via email and are captured in **Appendix B5**.

4.8 Draft Screening Report

To further support engagement during the Environmental Screening Process, Atura Power has chosen to prepare and share this *draft* Screening Report with key agencies, Indigenous communities and interested members of the public. The purpose of preparing and releasing this draft Screening Report is provide an additional opportunity for anyone wishing to share comments, questions or concerns regarding the PEC upgrades and the associated Environmental Screening Process prior to Atura Power preparing the final Screening Report. Through this process, feedback and comments received about the draft Screening Report can be addressed and incorporated in the final Screening Report.

4.9 Notice of Completion

Following the comment period for the *draft* Screening Report, Atura Power will take steps to address the comments and incorporate the comments into the *final* Screening Report. Per the Guide, a Notice of Completion will be prepared and released to the public. The Notice of Completion will inform all interested parties when the Environmental Screening Process for the project is complete and provide details regarding the 30-day review and comment period for the *final* Screening Report. As required, the notice will include: a map identifying the project location; the proponent and contact information; a description of the project; the results of the Environmental Screening Process; details regarding the review period; the location where the final Screening

Report may be reviewed; and instructions for making an elevation request in accordance with the provisions of the Guide. The Notice of Completion will be distributed to the same project contacts who received the Notice of Commencement via the same methods on September 6, 2023, as well as project contacts who received the draft Screening Report. Additionally, it will be advertised in the same publications used to share the Notice of Commencement in September 2023, which include the *Toronto Sun*, *Toronto Star*, and *Beach Metro* newspapers. As noted in **Section 4.6**, a copy of this draft Screening Report was shared with the four Indigenous communities that were engaged during the Environmental Screening Process, at the time of the public release of the report.

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5. Environmental Advantages and Disadvantages

In concluding the Environmental Screening, the overall advantages and disadvantages of the PEC upgrades are presented in **Table 5-1**. This section provides an overall conclusion as to whether the negative net environmental effects of the project are acceptable, based on a balanced assessment against the positive benefits.

Table 5-1: Environmental Advantages and Disadvantages of the Project

Advantages	Disadvantages
<ul style="list-style-type: none"> • As part of the replacement of equipment at the end of their service life that would normally occur at this time, the existing equipment would be upgraded with more efficient equipment but resulting in more electrical output. • Helps to address energy supply gap in Ontario by providing additional power generation capacity to meet the growing demand (through increased efficiency without expanding the facility). • Close proximity to existing transmission facilities and natural gas supply. • Allows PEC to continue to provide electricity system reliability by operating on demand in times when intermittent energy sources (e.g., wind and solar) alone cannot meet energy demand. • After the upgrade, the plant's thermal efficiency will increase due to a reduced heat rate (British thermal unit/kilowatt-hour (BTU/kWh)). This means that the same amount of fuel used will produce more power after the upgrades. • Provides a cost-effective and timely solution to secure operational flexibility in the Ontario electricity grid. • Brings economic benefits through procurement of local labour and materials. 	<ul style="list-style-type: none"> • None

As shown in **Table 5-1**, a consideration of the overall advantages and disadvantages of the project indicate that the project advantages outweigh the disadvantages. Further, the Environmental Screening determined that all Screening Criteria scored 'No' as a result of the PEC upgrades project, and without any mitigation, all regulatory requirements will be met.

Atura Power remains committed to continuing to build relationships with Indigenous communities and the local community throughout the EA process.

6. References

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Atura Power

Appendix A

Letters from General Electric (GE)



GE Gas Power - Services

Richard Loud

Consulting Engineer – Acoustics
Building 40-411K
1 River Road

Schenectady, NY 12345

(518) 385-7275
Richard.loud@ge.com

March 30, 2023

Andrea Coutu
Gas Turbine Specialist
1415 Joshuas Creek Drive Unit #101,
Oakville, ON
L6H 7G4

Atura Power – Portlands Energy Centre & Brighton Beach Power - AGP, DLN2.6+ and High Output S0/R0 Upgrades - Noise

Dear Andrea:

We have reviewed proposed changes to the gas turbines and have concluded that the Advanced Gas Path Upgrades, DLN2.6+ combustion system additions and High Output R0/S0 Upgrades to the gas turbine generator are not expected to increase noise levels from the Facility. This conclusion is based on the following aspects of the upgrade.

- The inlet guide vanes will be opened slightly increasing the airflow by 1% resulting in an immeasurable increase in the inlet noise of 0.04 dB*.
- Changes to the combustor will improve efficiency but do not affect noise. The combustion system is located within the gas turbine enclosure which itself is located within the turbine building. The enclosures and building work together to mitigate noise from the combustion system.
- The exhaust gas flow will increase by less than 1% resulting in an immeasurable increase in the exhaust noise of 0.04 dB*.

* For IEC 61672-1 Class 1 sound level meters, acceptance limits are generally +/- 1.0 dB.

In its experience installing the Advanced Gas Path upgrades and High Output R0/S0 upgrades on the 7F fleet, GE is not aware of any instance in which the upgrades resulted in a material increase in noise emissions from a facility. GE has no evidence indicating that the upgrades resulted in extra turbulence in the exhaust that could result in damage to the stack silencer.

Sincerely,

A handwritten signature in black ink that reads 'Richard Loud'.

Richard Loud
Consulting Engineer - Acoustics



GE Gas Power - Services

Mark Brache
Account Manager

1919 Minnesota Court, Suite 100, Mississauga,
Ontario L5N 0C9

(403) 585-2799
Mark.Brache@ge.com

May 26th, 2023

Andrea Coutu
Gas Turbine Specialist
1415 Joshuas Creek Drive Unit #101,
Oakville, ON
L6H 7G4

Atura Power – Portlands Energy Centre & Brighton Beach Power - AGP, DLN2.6+ and High Output S0/R0 Uprates - Noise

Dear Andrea,

We have reviewed proposed changes to the gas turbines and have concluded that the Advanced Gas Path Upgrades, DLN2.6+ combustion system additions and High Output R0/S0 Upgrades to the gas turbine generator will Maintain emissions levels at or below site permit levels. This is also stated in proposal, "The proposed AGP Tech, DLN2.6+ upgrade will maintain NOx emission at 9 ppm."

This conclusion is based on the following aspects of the upgrade.

- The 7FA DLN2.6+ Combustor is a common architecture across the 7FA.03, 7FA.04 and 7FA.05 gas turbine models. The combustor can deliver lower NOx and equal CO emissions guaranteed levels as compared with the DLN 2.6e system. It also provides improved Combustion Inspection (CI) intervals, higher ethane and H2 tolerance, and improved flexibility with lower turndown levels with increased Modified Wobbe Index (MWI) range.
- DLN tuning is required following installation of the uprate to ensure emission estimates contained here-in.
- Start-up emissions are NOT addressed in this letter as they are dependent on the given site specific start-up profile.

GE's 2.6+ combustor was designed originally to offer lower emissions. GE's expectation is that the emissions of the gas turbine in minimum emission mode and above will maintain the 9 PPM.

Sincerely,

Mark Brache
Account Manager

Appendix B

Engagement Records

- **Appendix B1: Distribution of Notice of Commencement**
- **Appendix B2: Virtual Public Meeting Materials**
- **Appendix B3: Summary of Public Engagement**
- **Appendix B4: Correspondence Records with Municipal Staff and Elected Officials**
- **Appendix B5: Correspondence Records with Agencies**
- **Appendix B6: Other Correspondence**
- **Appendix B7: Notice of Completion**

Appendix B1: Distribution of Notice of Commencement

Notice of Commencement of a Screening and Invitation to a Virtual Public Meeting

Portlands Energy Centre Upgrades

Atura Power is planning to make efficiency upgrades at its Portlands Energy Centre (PEC).

Project Description

PEC has operated since 2009 in the City of Toronto on the site of the former Richard L. Hearn Generating Station on Villiers Island. It's capable of outputting 550 megawatts (MW) to Ontario's electricity grid.

The upgrades will be limited to replacing parts of the existing natural gas fired combustion turbines with more efficient parts during a regular maintenance cycle and will result in an increase in output capacity to 600 MW. All upgrades will take place within the existing facility and **there will be no changes or expansion beyond the existing PEC footprint.**

Atura Power is committed to building a resilient electricity grid in Ontario and is working to address the energy supply shortfall, identified by the Independent Electricity System Operator, that Ontario will experience in the near future. The planned efficiency upgrades to PEC are part of Atura Power's efforts to address this supply gap and to make energy production more efficient and affordable.

Environmental Screening Process

Since the project will result in a 50 MW increase in output capacity of PEC, it's subject to the Environmental Screening Process for Electricity Projects pursuant to Ontario Regulation 116/01, under the Ontario *Environmental Assessment Act*. This Notice is issued to communicate the start of the Environmental Screening Process.

Virtual Public Meeting

Atura Power is committed to engaging with Indigenous communities, the public and other interested parties on all our

projects. We invite you to attend an upcoming virtual public meeting to learn more and provide feedback. **You can access the link to join the public meeting on the project webpage.** If you are unable to participate, meeting materials will be posted on the project webpage for review following the meeting.

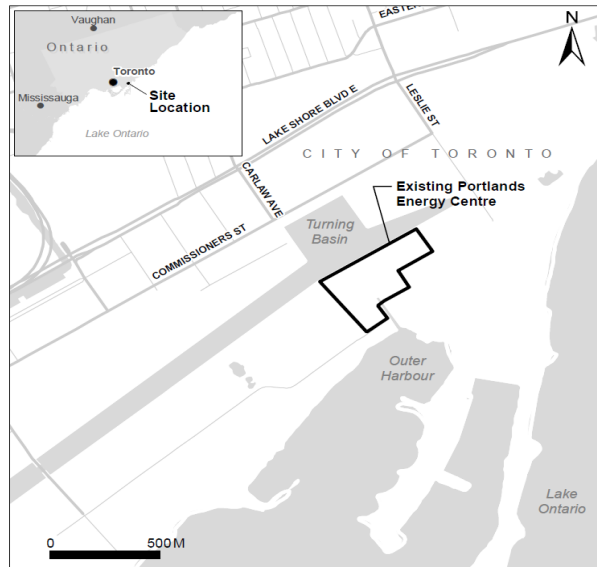
Project Contacts

Please email your questions or comments to portlandsupgrade@aturapower.com.

For more information: aturapower.com/portlandsupgrade

Comments and information regarding this project are being collected in accordance with the *Freedom of Information and Protection of Privacy Act* for the purpose of meeting environmental assessment requirements.

Atura Power



MARKETPLACE

REAL ESTATE	BUSINESS	RENTALS
Real Estate Services YONGE /Finch, furn. 1 bdrm. Bsm. 2bath., side split, sep. entr., \$2000+. 416-779-9985.	Investment Properties INVESTORS WANTED Real Estate opportunities in GTA. Development, single/multifamily, lending and more. (647) 686-8506	Apts. Unfurn. Central FOR RENT Bloor/Sherbourne. New bachelor apartment, long or short term. 1 min to Sherbourne Station. This is not to be missed! \$1650/mo. Call (647) 983-2589
		Rooms (Furn.) PHARMACY - Danforth - clean, quiet house, shared kit./bath., no smoke. 647-515-8595

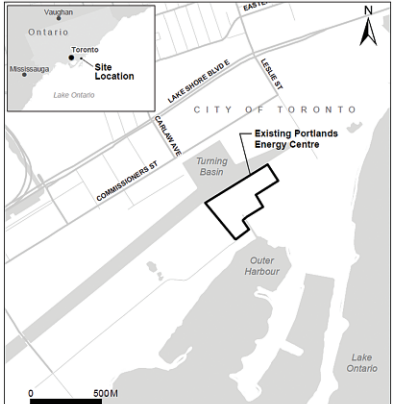
SERVICES

Legal

Notice of Commencement of a Screening and Invitation to a Virtual Public Meeting

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Atura Power



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How to Join	Date:	Thursday, October 5, 2023
	Time:	6:30 to 7:30 p.m. Eastern Time
	Project webpage:	aturapower.com/portlandsupgrade

Project Contacts
 Please email your questions or comments to portlandsupgrade@aturapower.com.
 For more information: aturapower.com/portlandsupgrade
 Comments and information regarding this project are being collected in accordance with the *Freedom of Information and Protection of Privacy Act* for the purpose of meeting environmental assessment requirements.

Groups & Clubs	Missing Persons	Instruction-Dancing/Educational/Musical
MAKE NEW FRIENDS! Join a fall social bowling club. At Parkway Bowl, 67 Ellesmere Road, Lower Level, Parkway Mall. Call 416-447-1761	MISSING PERSON DICKERSON, Benjamin, DOB: January 2, 1983, or anyone knowing his whereabouts, please call Kaela at 416-969-8510.	MISSING PERSON TOWEGEJICK, Whitney, DOB: January 4, 1990, or anyone knowing her whereabouts, please call Kaela at 416-969-8510.
		PROFESSIONAL Recording Studio avail. in Toronto. \$85 per hr. 416-266-3079

MERCHANDISE

Antiques & Art

WANTED
 All antiques, Silver plate, sterling, Asian & European fine objects, porcelain, paintings, and bronzes. Gold and costume jewellery, watches, coins, medals, fancy cups and saucers, Doultons, teak furniture, estates, etc.
 40 years experience professional and courteous.
Call David: 416-231-9948

I MAKE HOUSE CALLS!
\$ I BUY: \$
 Estates, Antiques, Silver Plate & Sterling, Gold & Costume Jewellery, Watches, Coins, Stamps, Medals, Paper Money.
Call Bob 416-605-1640

BUYING
 • Antique Furniture • China
 • Sterling • Canadiana
 • Memorabilia • Jewellery
 • Nostalgia • Entire & Partial Estates
 We make house calls
ANYTHING YOUR GRANDPARENTS OWNED.
Call Norm 905-703-1107

WANTED
 Chinese, Japanese, Asian works of art, porcelain, bronze, jade, etc., fine art paintings, sterling, all fine antiques & rare objects, jewellery and collectibles.
 Call Andrew Plum: 416-669-1716 English Gentleman Buyer established over 40 years.
 www.plumfineart.com Canada's Leading Specialist

Merchandise For Sale
***ALL MATTRESS FACTORY.** DIRECT Delivery available. All sizes including customer split boxsprings, Orthopedic 20 year sets starting \$240. "New Gel foam beds" from \$500. Deluxe no-flip Pillowtop & "Crown" series, Eurotop sets from \$390. New Waterbeds, end-of-line/discontinued items available. 905-681-9496, 905-338-0803, 905-563-6903.

Merchandise Wanted
 ALBUMS RECORDS WANTED
 Buying Stereo Gear & 45s
 Call Ed 416-844-9990

Dogs
GREAT PYRENEES & COCKPOOS
 puppies for sale, 9 mos., 1 MALE & 2 FEMALES. \$550. M/F Cockpoos 4 mos. \$750. 905-563-6903 - Niagara

Photography
DURST LABORATOR
 Large Format Darkroom 8x10 and 4x5 Cameras Wanted
 647-891-0777

Wanted
 Costume jewellery, Doultons, fancy cups and saucers, coins, watches, silver.
 David 416-231-9948

Coins
 CANADIAN, US foreign coins, RCM, Franklin Mint, bullion, scrap, bars, bank notes wanted. Top Prices. Bob 416-605-1640.

Stamps
ALL stamp collections wanted. Antiques, gold, silver, watches, coins, bills. Bob 416-605-1640

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SCAN FOR MORE INFORMATION

'Control, influence'

Trial for Freedom Convoy organizers about actions, not beliefs: Crown

OTTAWA — Tamara Lich and Chris Barber are not on trial for their political beliefs against COVID-19 public health orders, but for the means the two Freedom Convoy organizers used in trying to end them, a Crown prosecutor argued Tuesday.

Tim Radcliffe used his opening remarks at the start of the 16-day trial to paint a picture of Lich and Barber as the heart of the protest that gridlocked downtown Ottawa near Parliament Hill for three weeks in January and February 2022, until police moved in to clear the streets.

"This occupation was anything but peaceful," he told the court.

Lich, who hails from Medicine Hat, Alta., and Barber, who is from Swift Current, Sask., were part of the original group that mobilized a convoy of big rigs and other vehicles to drive to Ottawa to protest COVID-related restrictions and, more broadly, the federal Liberal government.

Together they are charged with mischief, counselling others to commit mischief, intimidation and

obstructing police. Barber, who owns a trucking company in Saskatchewan, is also charged with counselling others to disobey a court order that banned loud honking in the city's downtown core.

In a signed admission to the court, Lich and Barber acknowledged the actions of "certain individuals" interfered with the lawful use, enjoyment and operation of property and businesses in Ottawa during the protest.

In a separate document signed by

Lich and Barber, Lich admitted she was a leader, organizer and authorized spokesman for the Freedom Convoy.

Radcliffe told the court that Lich and Barber not only counselled people to come to Ottawa but to remain there, using what the lawyer called their "infamous 'hold the line' rallying call."

The pair "pressured decision-makers" and exerted "control and influence," all in the name of achieving the political purpose of ending pandemic health orders such as vaccine mandates, Radcliffe said.

About 50 people, including roughly 20 who were there to support Lich and Barber, filled the Ottawa courtroom on Tuesday.

Judge Heather Perkins-McVey said she requested the largest courtroom to allow as many people as possible to watch, given the public interest in the case.

Lawrence Greenspon, who is representing Lich, disputed the Crown's use of the word "occupation," calling it "inflammatory, inaccurate and



Chris Barber leaves the courthouse yesterday in Ottawa. Inset, Tamara Lich takes a hug break. **ADRIAN WYLD/CANADIAN PRESS PHOTOS**

insensitive."

The word has far more serious connotations for people around the world who are truly victims of an occupation, he said.

— The Canadian Press



Notice of Commencement of a Screening and Invitation to a Virtual Public Meeting

Portlands Energy Centre Upgrades

Atura Power is planning to make efficiency upgrades at its Portlands Energy Centre (PEC).

Project Description

PEC has operated since 2009 in the City of Toronto on the site of the former Richard L. Hearn Generating Station on Villiers Island. It's capable of outputting 550 megawatts (MW) to Ontario's electricity grid.

The upgrades will be limited to replacing parts of the existing natural gas fired combustion turbines with more efficient parts during a regular maintenance cycle and will result in an increase in output capacity to 600 MW. All upgrades will take place within the existing facility and **there will be no changes or expansion beyond the existing PEC footprint.**

Atura Power is committed to building a resilient electricity grid in Ontario and is working to address the energy supply shortfall, identified by the Independent Electricity System Operator, that Ontario will experience in the near future. The planned efficiency upgrades to PEC are part of Atura Power's efforts to address this supply gap and to make energy production more efficient and affordable.

Environmental Screening Process

Since the project will result in a 50 MW increase in output capacity of PEC, it's subject to the Environmental Screening Process for Electricity Projects pursuant to Ontario Regulation 116/01, under the Ontario *Environmental Assessment Act*. This Notice is issued to communicate the start of the Environmental Screening Process.

Virtual Public Meeting

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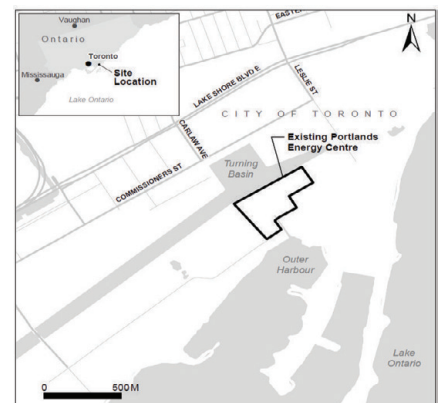
Project Contacts

Please email your questions or comments to portlandsupgrade@aturapower.com.

For more information: aturapower.com/portlandsupgrade

Comments and information regarding this project are being collected in accordance with the *Freedom of Information and Protection of Privacy Act* for the purpose of meeting environmental assessment requirements.

Atura Power



How to Join	Date:	Thursday, October 5, 2023
	Time:	6:30 to 7:30 p.m. Eastern Time
	Project webpage:	aturapower.com/portlandsupgrade

Fun at the Danforth East Arts Fair



Youngsters create crafts while attending the Danforth East Arts Fair at East Lynn Park on Saturday. The annual fair took place on both Saturday and Sunday at the park. PHOTO: ALAN SHACKLETON



To celebrate his 90th birthday in 2019, the East Toronto Women's Fastpitch Association presented Peter Cripps with this framed photo honouring his decades of being the announcer for games at Dieppe Park. PHOTO SUBMITTED

Women's fastpitch championship game set for tonight at Dieppe Park

'Peter' from Page 19
Thursday nights. There were lots of teams and lots of fans," he remembered.

The same held true for the men's fastpitch games that would be played on Mondays, Wednesdays and Fridays at the park. "It was very popular and there were some very good players among the ladies and the men," said Cripps.

"I was the announcer up in the booth and there would be good crowds out. Some nights the place was just packed," he remembered.

Looking far younger than his age, Cripps has lived not too far from Dieppe Park for the past 29 years and often walks over to watch the games.

On the night he met with Beach Metro, though, he had taken the bus since there was a possibility of rain later that night.

"I go to the gym four days

a week. I've been doing so for 40 years. That helps keep me in good shape," he said.

An East Ender through and through, Cripps grew up in the Jones and Danforth avenue area and attended Earl Grey Public School. He didn't go to high school afterwards but later took a correspondence course to earn his diploma.

"I got 40 As and one B-plus over the five years of the course. The B-plus was on the last course. I can't complain about that. It was pretty darn good. It was just plain good," he said of the high school courses he took by correspondence.

Cripps worked for years at a local paint company before he retired.

Along with his involvement with women's softball, Cripps also enjoys watching other sports including hockey and football.

"I cut out the TV at my apartment, but I will some-

times go to a restaurant or bar to watch sports, especially hockey and football," he said. "I always watch the Super Bowl and the Grey Cup."

Sports and recreation has always been a big part of life for Cripps in the East Toronto community.

Along with the softball, he would also take part in five-pin bowling and play pool along the Danforth.

"Years ago in the Danforth there was a big pool hall and I would go there every once in a while to pick up some money," he said.

Local sports fans are invited to say hello to Cripps at tonight's (Tuesday, Sept. 19 at 8 p.m.) ETWFA play-off championship game at Dieppe Park on Coxburn Avenue. He'll be there cheering on the Cannons and the Mavericks; as they compete for the title. Currently the ETWFA has five teams and 70 players.

Notice of Commencement of a Screening and Invitation to a Virtual Public Meeting

Portland's Energy Centre Upgrades
Aura Power is planning to make efficiency upgrades at its Portland Energy Centre (PEC).

Project Description
PEC has operated since 2005 in the City of Toronto on the site of the former Richard L. Hearn Generating Station on Villiers Island. It's capable of outputting 550 megawatts (MW) to Ontario's electricity grid.

The upgrades will be limited to replacing parts of the existing natural gas fired combustion turbines with more efficient parts during a regular maintenance cycle and will result in an increase in output capacity to 600 MW. All upgrades will take place within the existing facility and there will be no changes or expansion beyond the existing PEC footprint.

Aura Power is committed to building a resilient electricity grid in Ontario and is working to address the energy supply shortfall, identified by the Independent Electricity System Operator, that Ontario will experience in the near future. The planned efficiency upgrades to PEC are part of Aura Power's efforts to address the supply gap and to make energy production more efficient and affordable.

Environmental Screening Process

Under the project will result in a 50 MW increase in output capacity of PEC. It's subject to the Environmental Screening Process for Electricity Projects pursuant to Ontario Regulation 116/01, under the Ontario Environmental Assessment Act. This Notice is issued to communicate the start of the Environmental Screening Process.

Virtual Public Meeting

Aura Power is committed to engaging with Indigenous communities, the public and other interested parties on all our projects. We invite you to attend an upcoming virtual public meeting to learn more and provide feedback. You can access the link to join the public meeting on the project webpage. If you are unable to participate, meeting materials will be posted on the project webpage following the meeting.

How to Join	Date:	Thursday, October 5, 2023
	Time:	6:30 to 7:30 p.m. Eastern Time
	Project webpage:	auraenergy.com/ontariolandupgrades

Project Contacts

Please email your questions or comments to ontariolandupgrades@auraenergy.com

For more information: auraenergy.com/ontariolandupgrades

Comments and information regarding the project are being collected in accordance with the Freedom of Information and Protection of Privacy Act for the purpose of meeting environmental assessment requirements.

Atura Power



Pet Memorials

Honouring Beloved Companions

Ferris 2008-2023



Ferris came into our lives on August 29, 2008 and he left August 31, 2023. My precious little baby boy. My sugar pile. My rump roast. Mr. Stinky. The most beautiful cat I ever saw with my own two eyes.

Conceived in Scarborough, raised on Hammer-smith Avenue in The Beaches and Westlake Avenue in East York, Ferris made an impression on everyone he met because in many ways he was not a nice cat. He despised meeting new people.

We were invited not to return to several veterinary clinics in the East End. The only note on his file at the vet who had the guts to take him on was "Difficult".

It took him five years to sleep on our laps. It took about ten years to truly be able to call him affectionate. We loved him, pet him, kissed him, brushed him, snuggled him, and rubbed his velvety paws for every second he would let us.

He loved stealing a taste of old fashion plain donuts, butter tart pastry, potato chips, popcorn, Budweiser, and the first few sips of water you just poured for yourself. He would also yell at you to get out of the shower so he could have a slurp in the tub.

He was an indoor cat most of his life but as of this Spring he loved sitting outside on our little porch for hours at a time.

He had a rough summer. On the morning of August 31, he made his way to the door as quick as he could and died with purpose on our little porch shortly thereafter. We loved him, pet him, kissed him, snuggled him, and rubbed his velvety paws for every second.

Wednesday, September 6, 2023

[Cover Letter sent to Agency Contacts](#)

To whom it may concern,

This letter is to inform you that Atura Power is planning to make efficiency upgrades at the Portlands Energy Centre (PEC), on the site of the former Richard L. Hearn Generating Station on Villiers Island at 470 Unwin Ave., Toronto, Ont. The planned work will be limited to replacing parts of the existing natural gas fired combustion turbines with more efficient parts. These upgrades will occur during a regular maintenance cycle and, due to improved technology, will result in better performance. All activities to complete the upgrades will take place within the footprint of the existing facility. This project is part of Atura Power's effort to build a more efficient and resilient electricity grid in Ontario.

Currently, PEC is capable of outputting 550 megawatts (MW) to Ontario's electricity grid with proposed upgrades increasing its capacity to 600 MW. This planned increase of 50 MW results in the upgrades being subject to the Environmental Screening Process for Electricity Projects pursuant to Ontario Regulation 116/01, under the Ontario *Environmental Assessment Act*. The attached Notice is issued to communicate the start of the Environmental Screening Process. A copy of the Notice was published in the *Toronto Star* and *Toronto Sun* on Wednesday, September 6, 2023, and will also be published in the *Beach Metro* newspaper in the coming days. A copy is also available on the project webpage at aturapower.com/portlandsupgrade.

Atura Power is committed to engaging with Indigenous communities, agencies, the public and other interested parties on all our projects. A virtual public meeting will be hosted on **Thursday, October 5, 2023, from 6:30 to 7:30 p.m.** to share more about the planned upgrades and collect feedback from members of the public. The attached Notice includes details on how to join. Outreach to Indigenous communities is also underway to learn how they wish to be engaged about the project.

For more information about the project, please visit our project webpage (see link above). If you have any other questions or inquiries, please do not hesitate to contact us at portlandsupgrade@aturapower.com.

Sincerely,



Krishana Gnanachandran
Project Manager - Outages and Projects
Atura Power

Wednesday, September 6, 2023

Cover Letter sent to MECP Contacts

To whom it may concern,

This letter is to inform you that Atura Power is planning to make efficiency upgrades at the Portlands Energy Centre (PEC), on the site of the former Richard L. Hearn Generating Station on Villiers Island at 470 Unwin Ave., Toronto, Ont. The planned work will be limited to replacing parts of the existing natural gas fired combustion turbines with more efficient parts. These upgrades will occur during a regular maintenance cycle and, due to improved technology, will result in better performance. All activities to complete the upgrades will take place within the footprint of the existing facility. This project is part of Atura Power's effort to build a more efficient and resilient electricity grid in Ontario.

Currently, PEC is capable of outputting 550 megawatts (MW) to Ontario's electricity grid with proposed upgrades increasing its capacity to 600 MW. This planned increase of 50 MW results in the upgrades being subject to the Environmental Screening Process for Electricity Projects pursuant to Ontario Regulation 116/01, under the Ontario *Environmental Assessment Act*. The attached Notice is issued to communicate the start of the Environmental Screening Process. A copy of the Notice was published in the *Toronto Star* and *Toronto Sun* on Wednesday, September 6, 2023, and will also be published in the *Beach Metro* newspaper in the coming days. A copy is also available on the project webpage at aturapower.com/portlandsupgrade.

Atura Power is committed to engaging Indigenous communities, agencies, the public and other interested parties on all projects. A virtual public meeting will be hosted on **Thursday, October 5, 2023, from 6:30 to 7:30 p.m.** to share more about the planned upgrades and collect feedback from members of the public. The attached Notice includes details on how to join.

Atura Power is seeking input from the Ministry of Environment, Conservation and Parks (MECP) regarding the Indigenous communities that should be engaged as part of the Environmental Screening Process. The attached Notice includes a map of the project location. We would appreciate if the MECP would provide us with a list of communities with whom we should engage on this project. Given that the planned upgrades to PEC are minor, similar to routine maintenance activities and will be contained entirely within the footprint of PEC, Atura Power will be in contact with Mr. Nick Colella, Manager (Acting) of Environmental Assessment Services with the MECP, to pursue an exemption to the Ontario *Environmental Assessment Act* for this project.

For more information about the project, please visit our project webpage (see link above). If you have any other questions or inquiries, please do not hesitate to contact us at portlandsupgrade@aturapower.com.

Sincerely,



Krishana Gnanachandran
Project Manager - Outages and Projects
Atura Power

Wednesday, September 6, 2023

Cover Letter sent to Adjacent Properties

To whom it may concern,

This letter is to inform you that Atura Power is planning to make efficiency upgrades at the Portlands Energy Centre (PEC), on the site of the former Richard L. Hearn Generating Station on Villiers Island at 470 Unwin Ave., Toronto, Ont. The planned work will be limited to replacing parts of the existing natural gas fired combustion turbines with more efficient parts. These upgrades will occur during a regular maintenance cycle and, due to improved technology, will result in better performance. All activities to complete the upgrades will take place within the footprint of the existing facility. This project is part of Atura Power's effort to build a more efficient and resilient electricity grid in Ontario.

Currently, PEC is capable of outputting 550 megawatts (MW) to Ontario's electricity grid with proposed upgrades increasing its capacity to 600 MW. This planned increase of 50 MW results in the upgrades being subject to the Environmental Screening Process for Electricity Projects pursuant to Ontario Regulation 116/01, under the Ontario *Environmental Assessment Act*. The attached Notice is issued to communicate the start of the Environmental Screening Process. A copy of the Notice was published in the *Toronto Star* and *Toronto Sun* on Wednesday, September 6, 2023, and will also be published in the *Beach Metro* newspaper in the coming days. A copy is also available on the project webpage at aturapower.com/portlandsupgrade.

Atura Power is committed to engaging all interested parties on all our projects. This includes you, our valued neighbours. We want to hear from you and would like to **invite you to attend a virtual public meeting on Thursday, October 5, 2023, from 6:30 to 7:30 p.m.** to learn more about the planned upgrades and give us your feedback. The attached Notice includes details on how to join.

For more information about the project, please visit our project webpage (see link above). If you have any other questions or inquiries, please do not hesitate to contact us at portlandsupgrade@aturapower.com.

Sincerely,



Krishana Gnanachandran
Project Manager - Outages and Projects
Atura Power

Wednesday, September 6, 2023

Cover Letter sent to Indigenous Communities

To whom it may concern,

This letter is to inform you that Atura Power is planning to make efficiency upgrades at the Portlands Energy Centre (PEC), on the site of the former Richard L. Hearn Generating Station on Villiers Island at 470 Unwin Ave., Toronto, Ont. The planned work will be limited to replacing parts of the existing natural gas fired combustion turbines with more efficient parts. These upgrades will occur during a regular maintenance cycle and, due to improved technology, will result in better performance. All activities to complete the upgrades will take place within the footprint of the existing facility. This project is part of Atura Power's effort to build a more efficient and resilient electricity grid in Ontario.

Currently, PEC is capable of outputting 550 megawatts (MW) to Ontario's electricity grid with proposed upgrades increasing its capacity to 600 MW. Since the upgrades will result in a 50 MW increase in the electrical output of PEC, it is subject to the Environmental Screening Process for Electricity Projects pursuant to Ontario Regulation 116/01, under the Ontario *Environmental Assessment Act*. The attached Notice is issued to communicate the start of the Environmental Screening Process. A copy of the Notice was published in the *Toronto Star* and *Toronto Sun* on Wednesday, September 6, 2023, and will also be published in the *Beach Metro* newspaper in the coming days. A copy is also available on the project webpage at aturapower.com/portlandsupgrade.

Atura Power is committed to engaging with interested Indigenous communities on all projects. In addition to reaching out through this letter, we have been reaching out to your offices to share information about the project and learn how you wish to participate in this process. A virtual public meeting will be hosted on **Thursday, October 5, 2023, from 6:30 to 7:30 p.m.** where members of the public can learn more about the planned upgrades and provide feedback, and we are also planning separate engagement sessions with interested Indigenous communities such as yourselves. We look forward to connecting with you further to continue learning how you might wish to participate.

For more information about the project, please visit our project webpage (see link above). If you have any other questions or inquiries, please do not hesitate to contact Kelly Grieves at kelly.grieves@aturapower.com.

Sincerely,



Shelley Babin
President and CEO
Atura Power

Appendix B2: Virtual Public Meeting Materials

Appendix B2a: Virtual Public Meeting Presentation

Atura Power

Portland's Energy Centre Efficiency Upgrades

Public Meeting

An opportunity to learn about the proposed efficiency upgrades and share your feedback.

October 5, 2023



Order of Events

Agenda

1. Introduction and Land Acknowledgement
2. Project and Proponent Information
3. Environmental Assessment Process
4. Next Steps
5. Question Period
6. Closing Comments



Presentation is being recorded



Materials will be available online



Moderator will mute participants; chat function is available for questions



Comments or questions can be sent to: portlandsupgrade@aturapower.com

Land Acknowledgement

Atura Power acknowledges that Portlands Energy Centre is on the traditional territory of many nations including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee and the Wendat peoples and is now home to many diverse First Nations, Inuit and Métis peoples. We also acknowledge that Toronto is covered by Treaty 13 with the Mississaugas of the Credit.



Comments or questions can be sent to: portlandsupgrade@aturapower.com

Project Information

Name of Project

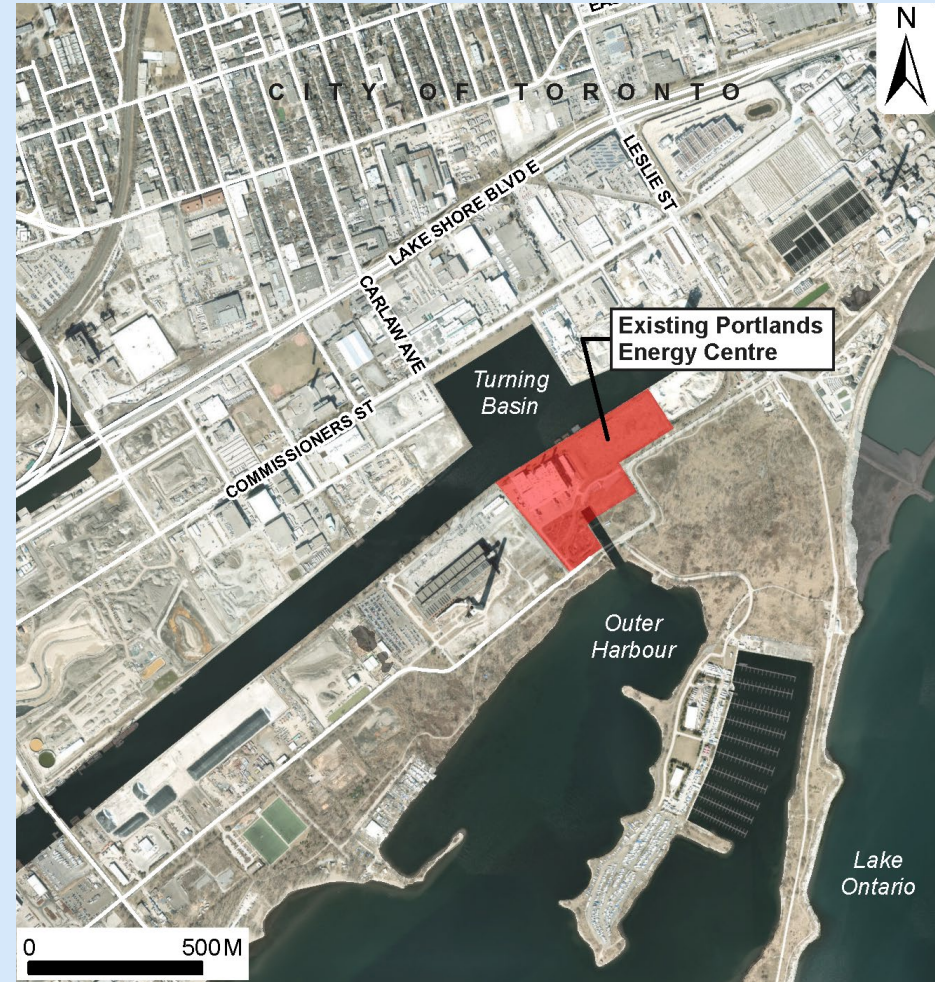
- Portlands Energy Centre (PEC) Efficiency Upgrades

Location

- 470 Unwin Ave., Toronto, Ont.
- Site of the former Richard L. Hearn Generating Station on Villiers Island

Proposed Activity

- Replacing parts of the combustion turbines with upgraded parts that will result in a 50 megawatt (MW) increase in output capacity



Proponent Information

Atura Power's Fleet of Generation Assets

A subsidiary of Ontario Power Generation, Atura Power owns and operates Ontario's largest fleet of combined-cycle gas turbine power plants



1. Brighton Beach Generating Station
Capacity 570 MW



2. Halton Hills Generating Station
Capacity 683 MW



4. Napanee Generating Station
Capacity 900 MW



3. Portlands Energy Centre
Capacity 550 MW



5. Oakville Head Office



Comments or questions can be sent to: portlandsupgrade@aturapower.com

Community Outreach and Support

Strong Local Partner for 24 Years

In addition to participating in Doors Open Toronto, PEC annually donates more than \$20,000 to local charities and organizations including:

- Food and toy drives
- Nellie's Shelter
- Red Door Family Shelter
- Toronto Nature Stewards



Comments or questions can be sent to: portlandsupgrade@aturapower.com

Project Need

- The Independent Electricity System Operator (IESO) is the Crown corporation responsible for operating the electricity market in Ontario
- The IESO predicts Ontario will face an energy shortage as a result of growing demand and nuclear refurbishments; an additional 4,000 MW are needed by the end of the decade to maintain the system's reliability
- The PEC upgrades are part of Atura Power's efforts to address this supply gap, providing a cost-effective and timely solution to secure operational flexibility in the Ontario electricity grid
- Upgrading the two turbines with more efficient parts will increase output capacity by 50 MW



Comments or questions can be sent to: portlandsupgrade@aturapower.com

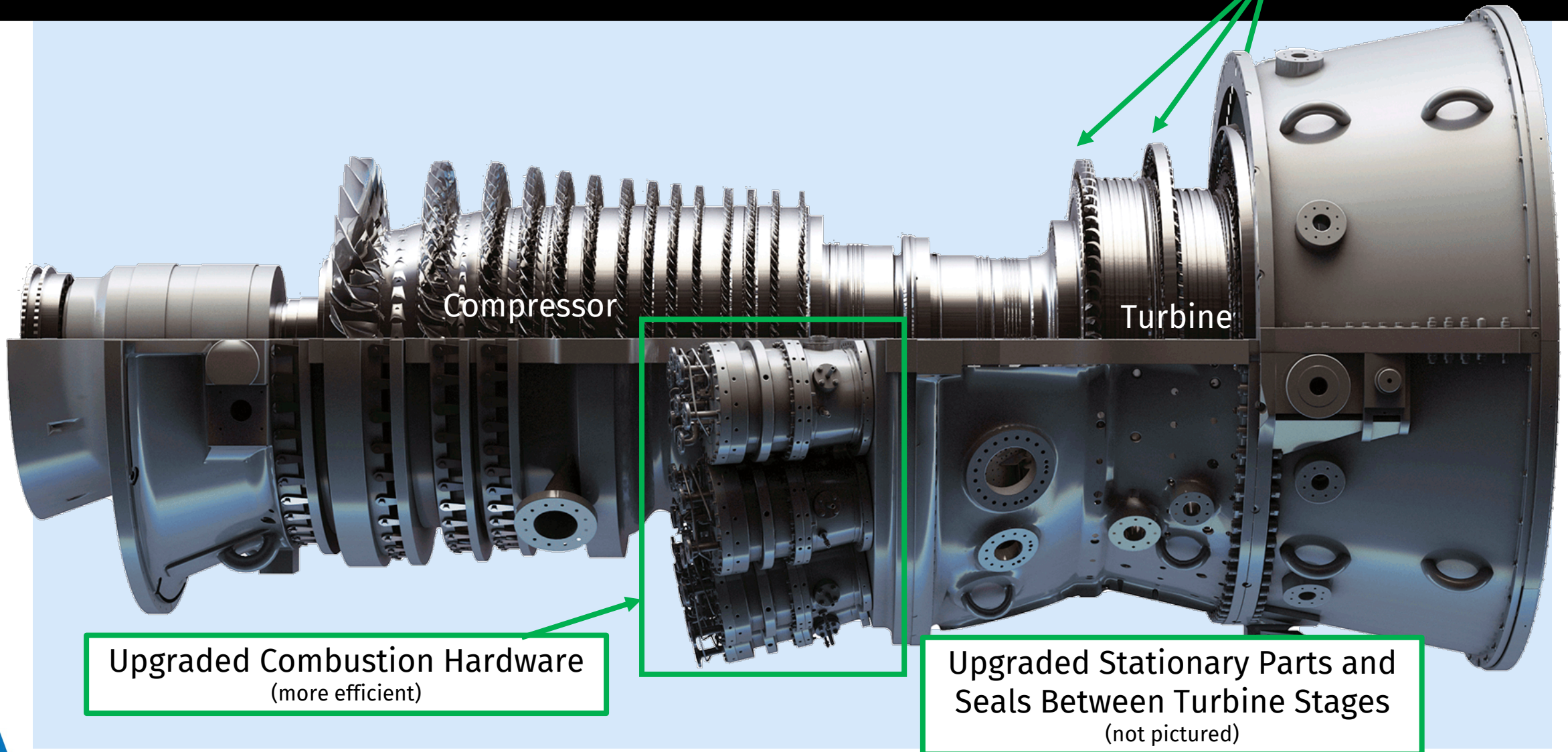
Project Description

- Replacing parts of the existing turbines with parts made of materials with optimized cooling characteristics
- Will allow PEC to generate more electricity using a similar amount of natural gas
- All activities will be within the existing facility; **no changes or expansion of existing footprint**



Comments or questions can be sent to: portlandsupgrade@aturapower.com

Project Description

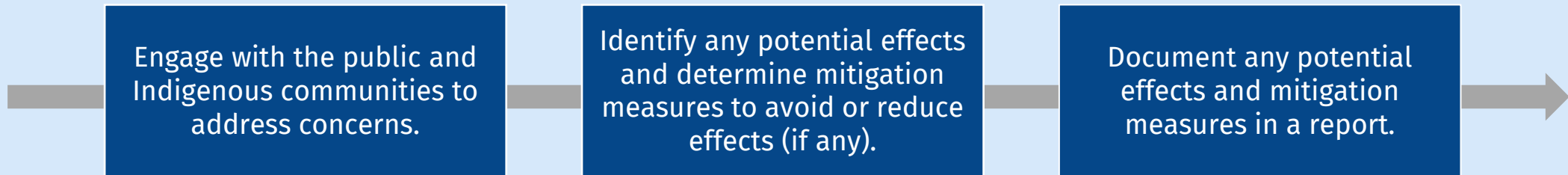


Comments or questions can be sent to: portlandsupgrade@aturapower.com

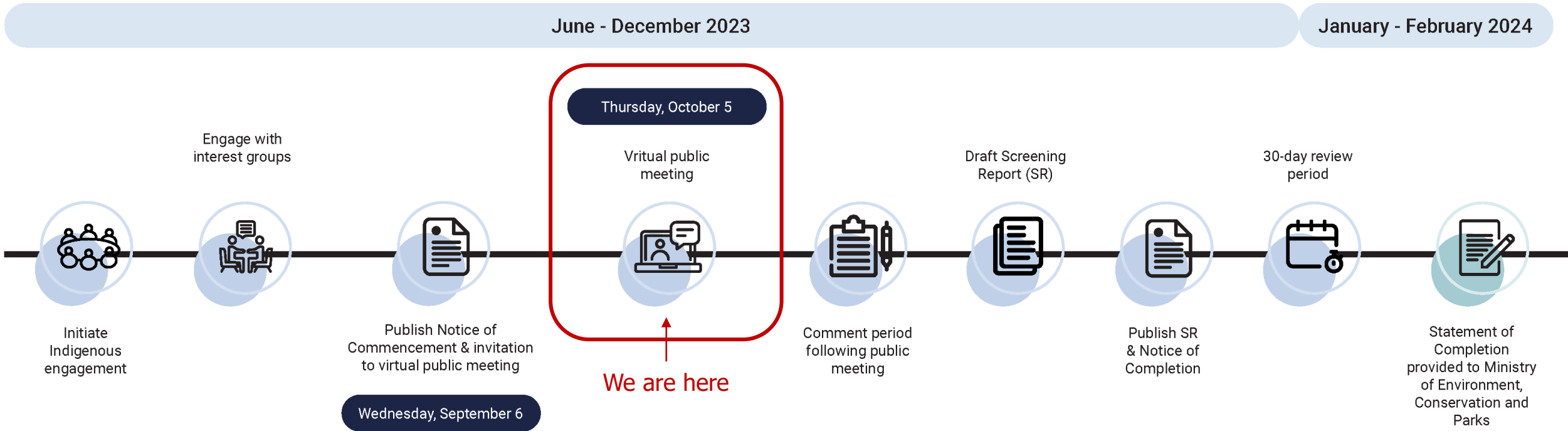
Environmental Assessment (EA) Process

- The project will result in a > 5 MW increase in the output capacity of PEC
- The capacity increase of 50 MW triggers the Environmental Screening Process for Electricity Projects subject to Ontario Regulation 116/01, under the Ontario *Environmental Assessment Act*
- The project is classified as a Category B project under the Environmental Screening Process
- Atura Power is proceeding with a **Screening Stage assessment**

Purpose of the Screening Stage Assessment



Public and Indigenous Engagement



Continuous Public and Indigenous Engagement



Comments or questions can be sent to: portlandsupgrade@aturapower.com

Environmental Effects

- The Screening criteria in Ontario Regulation 116/01 require the project to be reviewed against the following criteria:
 1. Surface and groundwater
 2. Land
 3. Air and noise
 4. The natural environment
 5. Resources
 6. Socio-economic
 7. Heritage and culture
 8. Other environmental features
- Engagement with Indigenous communities and the public is also an important part of the Screening Process. Engagement will continue throughout the life of the project.



Environmental Effects

- No changes to features listed in the Screening Criteria Checklist are anticipated given that the upgrade activities are limited to the footprint and will occur within the existing facility.
- Emission concentrations (NO, NO₂, and CO) will remain the same following the upgrades according to General Electric (GE) Gas Power, the manufacturer of the equipment being installed for the upgrades.
- Further, PEC will continue to meet relevant air quality regulations required by the Ministry of Environment, Conservation and Parks (MECP) and will continue to operate in accordance with the emissions permit requirements.



Next Steps and Timeline

Next steps and timelines associated with completing the upgrades are:

Activity	Timeline
IESO Contract Award	Announced May 16, 2023
Permits and Approvals: Environmental Compliance Approval Amendment	Submitted June 23, 2023
Turbine Upgrades	Fall 2024
Commissioning and Testing	Fall 2024
Operations	Fall 2024 onwards



Thank You

Questions?

Please email further comments and feedback to:
portlandsupgrade@aturapower.com



Appendix B2b: Virtual Public Meeting Frequently Asked Questions (FAQs)

Portlands Energy Centre Efficiency Upgrades Frequently Asked Questions

Below are some frequently asked questions and answers about the Portlands Energy Centre (PEC) efficiency upgrades (upgrades). If you have a question that is not shown below, please send us an email at portlandsupgrade@aturapower.com and a project representative will respond to your enquiry.

Why is Atura Power making these efficiency upgrades?

After years of strong energy supply, Ontario is entering a period of growing electricity system demand (a predicted energy supply gap) and actions are needed to ensure the continued reliability of the electricity grid.

To close this gap and meet the projected demand, the Independent Electricity System Operator (IESO) is moving forward with a procurement process to meet near, medium, and long-term energy needs while maintaining the province's focus on cost-effective reliability. The upgrades to PEC are part of Atura Power's efforts to address this supply gap. After the upgrade, the plant's thermal efficiency will increase due to a reduced heat rate (British thermal unit/kilowatt-hour (BTU/kWh)). This means that the same amount of fuel used will produce more power after the upgrades.

What is causing the energy supply gap in Ontario?

Ontario's electricity sector is undergoing a period of major transformation. New decarbonization policies coupled with rapid growth in the mining, greenhouse and industrial sectors are accelerating electricity demand growth across the province and heightening needs in certain regions.

The IESO's most recent Annual Planning Outlook (APO) reflects these trends. It projects a steady rise in electricity demand that highlights the strengths of Ontario's communities and economy to navigate the challenges of the pandemic, pursue electrification and support economic growth.

I thought we wanted to stay away from coal and/or natural gas. Why are we still burning fossil fuels? Why are we upgrading a natural gas power plant?

Wind and solar generation are important resources and will continue to play an increasing role in supplying clean electricity; however, other resources are required to maintain system reliability. It is not uncommon to have a week or more of low wind or overcast conditions and for these periods of time, it is critical to have generation resources available that can operate on demand. Natural gas generation operates on demand regardless of weather conditions to ensure electricity system reliability and ensures that wind and solar generation can be reliably incorporated into the electricity system.

The IESO established the Resource Adequacy Framework in 2021 to provide a flexible and cost-effective approach for competitively securing the resources necessary to meet demand and ensure system reliability. These upgrades are part of the plan IESO put in place to meet Ontario's energy needs.

What kind of power plant is PEC?

PEC is a combined-cycle natural gas electricity generating power plant. It can be operated as needed, during periods of peak demand when intermittent energy sources like wind and solar might not be available or might not be enough to meet demand.

What will the upgrades include? What changes will be made?

We will be replacing rotating and non-rotating parts within the gas turbines (blades, seals, nozzles, etc.). These upgraded parts are more efficient due to the advanced materials used to allow the turbines to run hotter and more fuel efficiently, extracting the maximum amount of power possible. The upgrades will take place on our two gas turbines within the existing facility, and there will no change to the physical size or footprint of the station.

How long will the upgrades take?

The upgrades are scheduled to take place in Fall 2024. The upgrade specific work will take approximately four to five weeks per unit to disassemble, replace parts and reassemble the gas turbines. There are two units, and they will be completed one at a time.

By how much will PEC's capacity increase, after the upgrades are complete?

PEC is currently capable of outputting 550 megawatts (MW) to Ontario's electricity grid. Replacing parts of the existing natural gas fired combustion turbines with more efficient parts will increase the output capacity to 600 MW. This means the upgrades will increase the output capacity by 50 MW.

Will there be more upgrades in the future?

These are the only current upgrade plans for PEC, as this is the latest technology available. Atura Power always strives to be on the leading edge of technology and will be open to future advancements that make the engines more fuel efficient.

How many more years is PEC expected to operate?

PEC is contracted to operate until April 2034.

Who will be undertaking the upgrades?

General Electric (GE) Gas Power – Services will be providing the new parts and performing the work using local skilled trades from Ontario.

Once the upgrades are complete, will the plant run more frequently?

PEC operations are dictated by the IESO based on the supply and demand balance. The frequency at which the plant operates will not change going forward; the plant will continue to operate as directed by the IESO.

How often does PEC run now?

PEC operations are dictated by the IESO based on the supply and demand balance, which fluctuates season by season and year to year. Historically, the plant has operated between 1750 to 4500 hours per year, always at the direction of the IESO.

What environmental effects will the upgrades have?

No changes to environmental features are expected given that the upgrades will take place within the existing facility and the existing facility footprint will not change. GE Gas Power – Services, the manufacturer of the equipment being installed for the upgrades, has provided a letter stating that the upgrades to the turbine generator ‘will maintain [air] emissions levels at or below site permit levels’. GE Gas Power - Services further stated that the upgrades are ‘not expected to increase noise levels from the facility.’

The facility will continue to operate within all environmental permitting requirements.

What can you say about the anticipated difference in particulate matter (air emissions) after the upgrades are complete?

GE Gas Power – Services, the manufacturer of the equipment being installed for the upgrades, provided a letter stating that the upgrades to the turbine generator ‘will maintain [air] emissions levels at or below site permit levels’. Emissions concentrations are not expected to change following the upgrades.

How are the air emissions from PEC measured?

PEC operates under an environmental permit called an Environmental Compliance Approval, which dictates nitrogen oxides and carbon monoxide emission limits for the facility. PEC uses a Continuous Emission Monitoring System (CEMS) to monitor emissions in the undiluted gases leaving the exhaust stacks. The CEMS is audited annually by the Ministry of Environment, Conservation and Parks (MECP) and submitted to the MECP annually for assessment.

Where can I find past emission reports for PEC?

All PEC emissions reports are publicly available on the provincial and federal government websites.

Will the upgrades increase the noise at the plant?

GE Gas Power – Services, the manufacturer of the equipment being installed for the upgrades, has provided a letter stating that the upgrades are ‘not expected to increase noise levels from the facility.’

What are Atura Power’s plans for the waste heat? Has Atura Power looked into supplying it as district heating to new Portlands developments?

PEC uses waste heat from the plant to generate steam, which is used to create additional electricity. Exhaust heat from the gas turbines is passed through a heat recovery steam generator which turns water to steam that is then used to power a steam turbine and generate additional electricity. This occurs in a closed loop where the remaining condensation from the steam is captured and reused over and over again.

What is public and Indigenous engagement and how does it involve me?

Public and Indigenous engagement describes the continuous, two-way communication of project information and feedback between the proponent (Atura Power) and members of the public and Indigenous communities. It includes specific communication opportunities like public meetings, comment periods and project notices. It also includes ongoing communication opportunities available

throughout the duration of the project via tools such as the project email address (portlandsupgrade@aturapower.com) and project webpage (aturapower.com/portlandsupgrade).

What is a Screening Stage assessment?

A Screening Stage assessment is a specific environmental assessment process that certain projects that fall under the Ontario Electricity Project Regulation must complete to meet the environmental assessment requirements under the Ontario *Environmental Assessment Act*.

What is the Screening Report?

The upgrades are subject to the Environmental Screening Process for Electricity Projects pursuant to Ontario Regulation 116/01, under the Ontario *Environmental Assessment Act*. As part of the Environmental Screening Process, Atura Power is required to prepare a Screening Report that documents the results of the Environmental Screening Process, including determining the potential for environmental effects of the project.

Will I get to review the Screening Report?

Yes, the assessment process includes a 30-day mandatory review period during which time anyone, including members of the public, can review the Screening Report. Information on the availability of the Screening Report will be published in the same publications used to announce the project in September 2023: the *Toronto Star*, *Toronto Sun*, and *Beach Metro* newspapers. Information will also be posted on the project webpage at aturapower.com/portlandsupgrade.

Is Atura Power asking the Ministry of Environment, Conservation and Parks (MEPC) to exempt the PEC Upgrades from the Ontario *Environmental Assessment Act*?

Atura Power will not be pursuing an exemption from the Ontario *Environmental Assessment Act* for the Portlands Energy Centre efficiency upgrades project.

I have more comments and questions. Who can I speak to about this project?

Comments and questions about the project can be sent to portlandsupgrade@aturapower.com at any time. A project representative will respond to your enquiry.

Appendix B2c: Virtual Public Meeting Q&A Session Questions/Comments

Note: Participants had the option to share their name with their comment/question during the public meeting, or to submit their comment/question anonymously. Names shared during the meeting are omitted from the record, to protect participant's privacy. Questions/comments are listed in the order they were submitted via the chat.

Question/Comment
We just had the hottest summer & the hottest September on record, globally. There are cheaper, healthier, and safer alternatives to gas plants. Portlands Gas Plants was originally built despite local protests, under promises it would only be a "peak supplier" yet it in fact has been running 21 hours a day. Plus, Toronto City council voted against the expansion of this plant. Despite all these facts and more, why does OPG still want to expand the gas plant, against the wishes of local Torontonians and Ontarians alike?
How much will this cost?
will there be an increase in particulate and CO2.
Will the amount of CO2 emitted increase as a result of this upgrade
Will the upgraded parts allow the plant to operate more hours per day
How many hours a day is the Portlands Facility operating?
Will there be any other public meeting opportunities in this process?
What will the expansion mean for greenhouse gases and air pollution from the plant? Surely more MW means more GHGs and more air pollution. Why would we choose to increase GHGs and air pollution when we're in the middle of a climate crisis, and when we have lower cost and lower emission alternatives available to us, like wind, solar, conservation, QC power and storage?
What plans does OPG/Atura Power have to invest in wind and solar energy instead of fossil fuels?
How many hours per year is the plant expected to operate, please?
How long will the "comment period following public meeting" last?
What pollution abatement is in place?
What additional 1) greenhouse gas emissions and 2) local air pollution are associated with this
Can the supply gap should be filled by non-fossil fuel sources given we are in the middle of a climate crisis: Renewables, including wind, solar plus purchases from Quebec?
why isn't the excess capacity of Quebec Hydro not an option? It's cheap, renewable, and available. And by far the cheapest. We're in the midst of a climate crisis and more gas plants are part of the problem.
On May 10th Toronto City Council passed a resolution opposing the expansion of the Portlands gas plant. Why is OPG not respecting the wishes of Toronto City Council?
After the upgrade will PEC be operating for more hours
What is that 30 day review period at the end of the screening process? Is that a period of consultation for the public?

Question/Comment

On May 10th Toronto City Council passed a resolution opposing the expansion of the Portlands gas plant. Why is OPG not respecting the wishes of Toronto City Council?

How much is the project costing?

Thanks for this info. I would like to know why we are continuing to invest in fossil fuels vs the cheaper options of conservation and renewable energy options. Thanks.

What is the total cost of this efficiency upgrade and who pays for it?

This plant was intended to be a "peaker plant" that operates for only a few hours a week at most, but Portlands has been running as much as 21 hours a day all summer. Does Atura power have plans to reduce operations?

Is the increased capacity 5 MW or 50 MW? I saw and heard two figures.

why are questions being asked (and by whom) on material that was just presented?

What alternatives were considered before deciding to go ahead with the project?

What is the cost of this upgrade project?

Why is OPG not respecting the wishes of Toronto City Council?

The presentation says that there will be more power generated with a similar amount of gas burned before. How similar - 10% increase or more?

Will an energy conservation program aimed at consumers be part of this efficiency upgrade?

Why aren't you looking at renewable, non-polluting energy? It doesn't matter that you are not changing the 'footprint of the plant. The fact that you are using polluting fossil fuels is UNACCEPTABLE!

Why does our publicly owned utility think more fossil gas burning is a good idea in the middle of a climate crisis?

Why spend millions expanding a fossil fuel plant instead of spending that money on energy conservation programs that can help residents and businesses save money?

What are your plans for the waste heat? Have you looked into suppling it as district heating to new Portlands developments?

What alternatives to this option to increase capacity have been considered?

Can you please share the total cost of this renewal/upgrade? Thanks.

The federal draft Clean Electricity Regulations set a performance standard of 30 t CO₂/MWh for generation facilities. Without an upgrade, PEC would need to meet the standard in 2035 (since PEC was commissioned in 2009). Will the upgrade postpone the requirement for PEC to meet 30 t/MWh standard?

What plans does OPG have to invest in wind and solar energy instead of fossil fuels?

In view of the global climate crisis, which a major cause of which is burning fossil fuels, why is the "efficiency upgrade" not addressing and lowering the emissions?

What is the total cost to tax payers on this upgrade?

Question/Comment

Does the company plan to continue burning fossil fuels after 2035?
Why is OPG asking Ontario's Ministry of the Environment to exempt its proposal to increase Portland's gas-fired generating capacity by 50 MW from the Environmental Assessment Act?
Do you expect that the frequency of use of the plant will increase as a result of this upgrade? What is the current frequency of use?
On the Environmental Effects slide, I noticed CO2 was not listed (just NO, NO2, and CO) under the emissions that were not supposed to increase as per GE. Was that a mistake, or is there reason to expect CO2 emissions will increase?
How did Atura Power notify local residents of this public consultation meeting?
Atura's gas plants are contributing to the climate crisis. Why doesn't Atura Power put pressure on the government to invest in green alternatives instead of these efficiency upgrades?
What level of NOx are you permitted to emit?
How is expanding a gas plant in 2023 aligned with Canada
Even though the emissions intensity is not expected to increase, what are the hours of operations per year that are expected, please?
With the global climate crisis, why are renewable energy sources not being used?
Hello, I am reporter for the French CBC in Toronto. Could you address the reporting in the Toronto Star that the Portlands Energy Centre ran for nearly 21 hours a day all summer long in 2023? Why has the plant been used this much?
Why are you only addressing safe questions likely submitted by your own employees?
Are you saying there will be more power generated without an increase in emissions? please clarify
Has the city of Toronto approved this expansion?
Will the environmental assessment include an assessment of the health impacts of increased emissions from the plant?
Is this a peaker plant or baseload power?
How is expanding a gas plant in 2023 aligned with Canada's greenhouse gas emission reduction commitments? How is a gas plant expansion aligned with the federal government's proposed Clean Electricity Regulations?
You have not answered the question if the amount of GreenHouse gas emissions will increase?
What is the point of comments from the public when it seems that Atura has already been contracted to do this upgrade?
Thanks for this info. I would like to know why we are continuing to invest in fossil fuels vs the cheaper options of conservation and renewable energy options. Thanks.
How much is this upgrade expected to cost, and where does that money come from?
It has been scientifically shown that the Portlands Gas Plant is the single largest source of Greenhouse Gases in Toronto.
Also, Please explain the "screening reports"?

Question/Comment

What are your plans for the waste heat? Have you looked into supplying it as district heating to new Portlands developments?

Will the upgrade allow the plant to operate more hours per day

Will the actual greenhouse gas emissions increase in quantity? (ie not relative to increased output)

Has OPG considered renewable energy options as an alternative?

Why is OPG asking Ontario's Ministry of the Environment to exempt its proposal to increase Portland's gas-fired generating capacity by 50 MW from the Environmental Assessment Act?

The Minister of Energy directed that gas projects would need municipal approval - Toronto has voted against this expansion. Why won't the IESO respect Toronto's wishes?

As this seems to be a transition time and a perfect time to consider different options. What plans does OPG have to invest in wind and solar energy instead of fossil fuels?

you mention that "similar" levels of natural gas will be burned in order increase the energy output, can you define similar?

Sorry I forgot the question. The UN has said that all new fossil fuel development is moral and economic madness! How can you justify this expansion when the climate and health affects are disastrous?

I am sorry but it seems my questions are going in as "private", so they are not coming through. not sure how to change that... ??

At full capacity wil it burn more fossil fuel than currently?

Why not use the land for energy storage instead of more gas?

wow. what a joke. do you seriously think people are taking your question period seriously with these fluff questions? Unfortunately for you you aren't hoodwinking the public.

I'm concerned about greenhouse gases. Is there any plan by Atura or OPG to reduce them rather than simply maintaining the current level?

Why is this project going forward when Toronto City Council passed a resolution opposing the project.

How does this upgrade help reach net-zero emissions by 2035?

On May 10th Toronto City Council passed a resolution opposing the expansion of the Portlands gas plant. Why is OPG not respecting the wishes of Toronto City Council?

You mentioned that additional power will be generated without increasing the amount of gas burned. Also you mentioned particulate and c02 are a ratio of the input. Does this mean that for a given output there will be fewer particulates and c02.

such deep questions. can you convert the hours operating to minutes? I'm fascinated

Were green eneergy options considered inststead of these upgrades

how might concern over overall increased CO2 emissions and air quality expressed through public consultation effect the project's development?

Question/Comment

Is the natural gas used by the plant be subject to the price of carbon?

How does this upgrade impact PEC's requirement and timing to meet the proposed federal Clean Electricity Regulation emission standard of 30 tonnes CO2.MWh? Thank you.

What is the total cost to tax payers on this upgrade?

Thanks for this info. I would like to know why we are continuing to invest in fossil fuels vs the cheaper options of conservation and renewable energy options. Thanks.

What is the cost of the upgrade?

What plan does OPG have for wind and solar?

Does Atura Mgmt acknowledge that we are facing a climate emergency and, if so, how does reality inform its decision to enhance and continue operating this fossil fuel energy plant?

What's the current greenhouse gas emissions level for the site and what will it become post-alteration?

Are you able to share information on the current carbon and air pollutant (PM 2.5's, NOx) emissions generated by PEC and anticipated changes post upgrades?

Thanks.

these plants were designed and approved to be supplemental to the existing power generation grid, up to 14hrs a day does not seem in-keeping with the original plan, is there an explanation as to why this has occurred?

How will the upgrade the air pollution coming from the plant? Particularly for NOx

I'm aware of how combined system plants work. After using steam to generate additional electricity there will still be steam. The Portlands area, as far as I know, will use district heating and cooling. Steam does not need to be superheated to be useful for district heating. Have you contacted the city about to see if they can use your steam?

If council opposed this expansion why is going ahead?

Can your upgrade also include energy storage?

What happens if the upgrades are not done?

Why is an expansion happening in the middle of a climate crisis?

How is the exhaust of the natural gas combustion in your plant measured?

Will these upgrades increase the cost of electricity to the consumer? What is the overall cost of this upgrade?

You mentioned that the facility will be more efficient. Can you be specific? How much more efficient? Thanks!

I came late because can't find the link. Will talk be recorded to be available laterally

Since you did a land acknowledgment and hopefully respect Indigenous rights, are we to assume that if Indigenous communities are opposed to this upgrade, then you will not proceed with the upgrade?

Question/Comment

What is the projected cost of this upgrade project?
What plans does OPG have to invest in wind and solar energy instead of fossil fuels?
How much is this upgrade expected to cost, and where does that money come from?
Do you test for methane leaks in the ambient air in and around your facility? If so, do you include these fugitive emissions in your GHG emissions reporting?
What is the cost of this upgrade?
what are the health risks associated with the upgrades to such a large population of people living so close by?
Why is OPG Atura expanding gas generation instead of building clean wind, solar and waterpower projects to meet demand growth?
How many more years is Portland expected to operate?
Will your company be allowed to burn fossil fuels after 2035?
Another report available to the public is the most recent IPCC report, which states, unequivocally , that we must reduce ff output, and you are expanding your facilities to support an additional 50 megawatts (MW) of output.
Is Atura going to use natural gas to create hydrogen?
How do you justify this?
How is expanding a gas plant in 2023 aligned with Canada's greenhouse gas emission reduction commitments? How is a gas plant expansion aligned with the federal government's proposed Clean Electricity Regulations?
When Don says "green hydrogen", does he mean produced from renewable power?
Why spend millions expanding a fossil fuel plant instead of spending that money on energy conservation programs that can help residents and businesses save money?
How do you justify ff expansion in an age of spiralling environmental disaster? As human beings, how can you even entertain this?
Will you also be spending money to educate the public about energy conservation?
How can the public obtain the emissions reports you produce?
Does the Atura Power plan to continue burning fossil fuels at PEC after 2035?
Do you test for methane leaks in the ambient air in and around your facility? If so, do you include these fugitive emissions in your GHG emissions reporting?
Can't hear
Can you clarify what you mean by "uses the water from the Niagara river" to generate hydrogen? Is the process completely powered by hydro power?
Does the company plan to continue burning fossil fuels after 2035?
What is the cost of this upgrade?
The Government of Canada estimates that the PEC emitted 1000 tonnes of NOx a year. What - if any - NOx abatement technologies do you have in place?

Question/Comment

Not much of a time horizon.

Thank you. I didn't realize that you capture the heat from the steam and use it again.

Does Atura intend to renew its contract for PEC beyond 2034?

What happens when contract ends in 2024?

Why aren't my questions going through?

Actually, the only thing right now that is critical is stopping all fossil fuel expansion and drastically cutting emissions as fast as possible

Can we expect to see an energy conservation incentive aimed at consumers?

For clarification - you won't be using more fuel with the expansion?

Is there a plan for the people who work there to find jobs in the green economy after the plant's life is over?

These types of expansions - or whatever greenwashing nonsense you peddle them as - as a way to stall true action toward a livable future for humanity

Data available on the IESO website describe PEC operations for "G1, G2, and G3". Are you able to talk a little about PEC operations from the three turbines please? For instance, which label applies to which turbine? Thank you.

that is meaningless nonsense

I am a longtime resident of the area and have appreciated the significant improvement in air quality since the closing of the coal-plant. Please shape your answers about increases in emissions in terms of our experience in the environment, and not your compliance with regulations and directives. We need to know about the impact. What can you say about the anticipated difference in particulate matter etc. post-upgrade? Please also address the discrepancy between the 21 hours a day the Toronto Star reported this summer and the 8 to 14 or 15 hours in your response about the hours of operation.

What happens at the conclusion of PEC's contract in 2034?

There is growing medical literature on the health impacts of gas-fired electricity including asthma, lost days of work, premature deaths, and more. Does Atura follow these impacts and do you have any commentary on these concerns?

nobody who has ever had a critical thought in their brain would accept that nonsense

Portlands is a peaking plant?

Did Atura initiate this project or was it called for from another organization?

I get that the plant's operational algorithm will not change, but the fact that it is being made to be more efficient suggests that the \$/MWH threshold price will decrease. Doesn't this mean that the run-time of the plant should increase?

Could you clarify what public and indigenous engagement means?

as a peaking plant, how frequently was portlands plant intended to operate, how much does it currently operate, and what is the projection for future use?

If IESO asks you use hydrogen produced from natural gas would Atura be forced to do so?

Thank you!

Question/Comment

Does PEC still count as a "peaking plant"? I believe you said it can run 8-14 hours per day.

You mentioned where we can find data on your carbon emissions. Where can we find similar data for air pollutants?

For clarification - the questions that I am asking that are not being Featured - I should send them to your e-mail address for a response?

will you increase the output?

not efficiency. they're different

Do these efficiency upgrades apply to hydrogen power as well?

Where is the funding for this project coming from?

I understand PEC produced power on average 21 hours per day this summer. How can this be considered a peaker plant?

As residents we need to know about the impact on emissions in terms of our experience in the environment, and not only your compliance with regulations and directives. What can you say about the anticipated difference in particulate matter etc. post-upgrade?

Please also address the discrepancy between the 21 hours a day the Toronto Star reported this summer and the 8 to 14 or 15 hours in your response about the hours of operation.

Does Atura Mgmt acknowledge that we are facing a climate emergency and, if so, how does reality inform its decision to enhance and continue operating this fossil fuel energy plant? Should Atura, for example, be investing in solar and wind instead?

So the engagement is multiple forms of answering questions?

Where can we find more information about your engagement with indigenous communities? Which communities did you consult?

But I don't see my question in the list

What were the concerns of those communities, and how were they addressed?

As residents we need to know about the impact on emissions in terms of our experience in the environment, and not only your compliance with regulations and directives. What can you say about the anticipated difference in particulate matter etc. post-upgrade?

The IESO has also identified that wind and solar could meet demands

Can you make available hourly air pollution emission and fuel-consumption from the Portlands facility?

What does "engage" mean?

Can the community make actionable demands through engagement?

Will Atura be pursuing additional capacity increases as part of the 1500 MW increase in natural gas electricity generation?

Wouldn't the fastest way to reduce GHG emissions in Toronto be to shut down the Portlands plant as soon as feasible?

What will be the difference in total output, not concentrations?

one is an amount, the other is a rate. two different mathematical concepts

Can you give an example of how you addressed concerns, beyond just answering questions?

Question/Comment

Clarification. So if you produce 9% more electricity with the same amount of gas, then will you emit less if you do not need to operate at full power?

You told us to see your website for summary. Under which heading w I'll it be posted?

So engagement doesn't mean we have a say in how the project operates, just that we can get information about it?

What would emissions per hour be at proposed max capacity vs current max capacity?

If the upgrade is for efficiency then why is it necessary to increase the plant capacity?

Did Atura Power lobby for the plant? How was Atura chosen as the contractor for this and other projects in Ontario?

Is further expansion of generating capacity at PEC anticipated?

There is a discrepancy between the 21 hours a day the Toronto Star reported this summer and the 8 to 14 or 15 hours in your response about the hours of operation. Please comment.

at what capacity of full power is PEC running in 2023

What is the cost of the upgrades?

As you are classifying the proposed work as an upgrade rather than expansion, does this exempt the project from the IESO mandate that municipalities must approve gas-plant expansions? Toronto City Council has twice opposed gas expansion. Will this be considered?

IESO projections show that gas plant use will go up to more than 19 hours a day by 2026. Does that mean that even if the PEC is more efficient, it will still be fired up more and produce more emissions?

this question is entirely within scope

**Appendix B3: Summary of Public
Engagement**

**Appendix B3a: Summary of Public
Questions/Comments by Category, and
Atura Power's Responses**

Category	Sub-Category	Source	Question/Comment	Response
Atura Power	Atura's Future Plans	Portlands Email Inbox	Does the company plan to continue burning fossil fuels after 2035?	In addition to pursuing efficiency upgrades at PEC, Atura Power is also playing a leadership role in establishing the supply of low-carbon hydrogen and developing energy storage systems and potentially other clean energy projects in Ontario to help the province move towards a net-zero carbon future. As Atura Power responds to Ontario energy needs as directed by the IESO, plans beyond PEC's contract period (which extends to April 2034) are not certain at this time.
		Portlands Email Inbox	How can we be sure Portlands Energy Centre won't expand?	
		Virtual Public Meeting	Does the company plan to continue burning fossil fuels after 2035?	
		Virtual Public Meeting	Will your company be allowed to burn fossil fuels after 2035?	
		Virtual Public Meeting	Is there a plan for the people who work there to find jobs in the green economy after the plant's life is over?	
		Virtual Public Meeting	Is further expansion of the generating capacity of PEC anticipated?	
		Virtual Public Meeting	Will Atura be pursuing additional capacity increases as part of the 1500 MW increase in natural gas electricity generation?	
	Battery Storage Systems	Virtual Public Meeting	Why not use the land for energy storage instead of more gas?	Atura Power is currently proposing battery energy storage systems at several other locations in Ontario. Atura Power is not considering battery energy storage systems at PEC.
		Virtual Public Meeting	Can your upgrade also include energy storage?	
	Conservation Initiatives	Virtual Public Meeting	Will an energy conservation program aimed at consumers be part of this efficiency upgrade?	Energy conservation and education programs and incentives are part of the IESO's responsibilities.
		Virtual Public Meeting	Will you also be spending money to educate the public about energy conservation?	
		Virtual Public Meeting	Can we expect to see an energy conservation incentive aimed at consumers?	
	Hydrogen	Portlands Email Inbox	Are you considering using green hydrogen to fuel existing turbines at some point in the future?	Atura Power does not have plans to produce nor consume hydrogen at PEC at this time. Atura Power has selected the Niagara region as its first Ontario site for large-scale hydrogen production. The Niagara Hydrogen Centre (NHC) will be Ontario's largest green hydrogen production facility and will help industries across the province adopt low carbon energy solutions. The facility will use electrolysis technology to split water into hydrogen and oxygen molecules and be powered by renewable electricity directly from the nearby Sir Adam Beck II Generating Station.
		Portlands Email Inbox	What upgrades will be needed to convert Atura's plants to hydrogen, and how much are these upgrades expected to cost?	
		Portlands Email Inbox	If Atura's plants are upgraded to hydrogen, would they use hydrogen created from fossil fuels if there wasn't enough hydrogen created from carbon-neutral sources?	
		Portlands Email Inbox	I was hoping that some serious attention was being paid to the potential for hydrogen to displace natural gas in fuelling the fleet. I think more publicity should be given to the hydrogen potential especially in light of the strong opposition to gas generation that I have been hearing at the municipal level recently.	
		Virtual Public Meeting	When you reference "green hydrogen", does it mean it is produced from renewable power?	
		Virtual Public Meeting	Can you clarify what you mean by "uses the water from the Niagara river" to generate hydrogen? Is the process completely powered by hydro power?	
		Virtual Public Meeting	Is Atura going to use natural gas to create hydrogen?	

Category	Sub-Category	Source	Question/Comment	Response
		Virtual Public Meeting	If IESO asks you use hydrogen produced from natural gas would Atura be forced to do so?	
	Renewable Energy Portfolio	Portlands Email Inbox	<p>I understand OPG has an important role to fulfill in keeping energy production at the level needed by consumption. This is certainly challenging in this era of climate chaos and push back from the fossil fuel industry. However, I feel OPG could be taking a better leadership position in the energy transition than it is currently doing.</p> <ul style="list-style-type: none"> - A 'fair and just transition' applies to the clean energy sector as well. What plans does OPG have to invest in wind and solar energy as well as energy storage solutions instead of fossil fuels? - Does the company plan to continue burning fossil fuels after 2035 and how does a proposed 10% increase in production translate to a reported operation of over 21 hours a day that was happening over the summer? - What will OPG be doing to capture, contain and reduce methane emissions from its existing plants and to ensure it is carbon neutral by 2035? 	<p>In addition to pursuing efficiency upgrades at PEC, Atura Power is also playing a leadership role in establishing the supply of low-carbon hydrogen and developing energy storage systems and potentially other clean energy projects in Ontario to help the province move towards a net-zero carbon future.</p> <p>As Atura Power responds to Ontario energy needs as directed by the IESO, plans beyond PEC's contract period (which extends to April 2034) are not certain at this time.</p>
		Portlands Email Inbox	I am concerned about the continued investment in fossil fuel energy generation, the public health impacts and the urgent call by the IPCC to wind down fossil fuel burning. What plans does Atura have to expand wind, solar, geothermal and hydro?	
		Portlands Email Inbox	What plans does OPG have to invest in wind and solar energy instead of fossil fuels?	
		Virtual Public Meeting	What plans does OPG/Atura Power have to invest in wind and solar energy instead of fossil fuels?	
		Virtual Public Meeting	Has OPG considered renewable energy options as an alternative?	
		Virtual Public Meeting	As this seems to be a transition time and a perfect time to consider different options. What plans does OPG have to invest in wind and solar energy instead of fossil fuels?	
		Virtual Public Meeting	I'm concerned about greenhouse gases. Is there any plan by Atura or OPG to reduce them rather than simply maintaining the current level?	
		Virtual Public Meeting	What plan does OPG have for wind and solar?	
Comment / Opinion	Contact List Request	Portlands Email Inbox	Please place me on the list for access to the October 5 public consultation on the PEC Upgrade.	
		Portlands Email Inbox	Please keep me up to date on developments with this project.	
		Portlands Email Inbox	Would you please add me to the Portlands Energy Centre information distribution list?	
		Portlands Email Inbox	Just want to stay updated on the project.	
		Portlands Email Inbox	Further to the Public meeting on Oct 5, please send me any follow-up information and updates.	
		Portlands Email Inbox	I would like to be in the consultation.	
		Portlands Email Inbox	Interested in the project details.	

Category	Sub-Category	Source	Question/Comment	Response
Costs	General	Portlands Email Inbox	I suspect the cost of the upgrade will be substantially lower than adding an independent 50 MW generator elsewhere. Is that so?	At this time, Atura Power is unable to share commercially sensitive financial details related to its efficiency upgrades.
		Portlands Email Inbox	How much does the upgrade to PEC cost?	
		Virtual Public Meeting	How much will this cost?	
		Virtual Public Meeting	How much is the project costing?	
		Virtual Public Meeting	What is the total cost of this efficiency upgrade and who pays for it?	
		Virtual Public Meeting	What is the cost of this upgrade project?	
		Virtual Public Meeting	Can you please share the total cost of this renewal/upgrade? Thanks.	
		Virtual Public Meeting	What is the total cost to tax payers on this upgrade?	
		Virtual Public Meeting	How much is this upgrade expected to cost, and where does that money come from?	
		Virtual Public Meeting	Is the natural gas used by the plant be subject to the price of carbon?	
		Virtual Public Meeting	What is the cost of the upgrade?	
		Virtual Public Meeting	Will these upgrades increase the cost of electricity to the consumer? What is the overall cost of this upgrade?	
		Virtual Public Meeting	What is the projected cost of this upgrade project?	
		Virtual Public Meeting	What is the cost of this upgrade?	
		Virtual Public Meeting	Where is the funding for this project coming from?	
		Virtual Public Meeting	What is the cost of the upgrades?	
		Capacity vs. Generation	Portlands Email Inbox	
Other	Portlands Email Inbox	I would like to know how this 'upgrade' is being paid for and what cost valuation you used for the greenhouse gas (carbon/methane) pollution this 'upgrade' will result in for your environmental evaluation of this project? Is this valuation in line with the U.S. directive? The President's Day One Executive Order on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis re-established an Interagency Working Group (IWG) and tasked it with identifying areas of budgeting, purchasing, and other key decisions where agencies should consider the Social Cost of Greenhouse Gases	Thank you for your email and your interest in the PEC Efficiency Upgrades project. Atura Power is not pursuing an exemption from the Ontario <i>Environmental Assessment Act</i> for the PEC Efficiency Upgrades project. We would also like to note that after the	

Category	Sub-Category	Source	Question/Comment	Response
			<p>(SC-GHG) — a well-established metric for the known damages that greenhouse gas emissions cause across society. https://www.whitehouse.gov/briefing-room/statements-releases/2023/09/21/fact-sheet-biden-harris-administration-announces-new-actions-to-reduce-greenhouse-gas-emissions-and-combat-the-climate-crisis/ Are these hidden costs included?</p> <p>THE HIDDEN COST OF NATURAL GAS Accounting for the price of carbon in fossil-fuel-based energy generation is key to ensuring that natural gas facilities aren't being unfairly favoured. Every tonne of carbon dioxide emitted from a natural gas plant has a cost to society in Canada and elsewhere. A recent report from the U.S.'s Environmental Protection Agency estimates that a tonne of carbon emitted in 2020 costs the economy between C\$160 and C\$450. The Canadian government has referenced a range of between \$135 and \$440 a tonne. -from Clean Energy Canada: A Renewables Powerhouse - February 2023 https://cleanenergycanada.org/wpcontent/uploads/2023/01/RenewableCost_Report_CleaEnergyCanada_Feb2023.pdf</p>	<p>upgrades, the plant's thermal efficiency will increase due to a reduced heat rate (BTU/kWh) which means that the same amount of fuel used can produce more power after the upgrade.</p> <p>The upgrades to the turbine generator 'will maintain [air] emissions levels at or below site permit levels', as stated by the manufacturer of the equipment being installed for the upgrades, GE Gas Power – Services. The facility will continue to operate in accordance with all environmental permitting requirements.</p> <p>Should you require any more information, materials from the public meeting and updates are available on the project webpage at aturapower.com/portlandsupgrade.</p>
Air & Noise	Air Quality	Virtual Public Meeting	As residents we need to know about the impact on emissions in terms of our experience in the environment, and not only your compliance with regulations and directives. What can you say about the anticipated difference in particulate matter etc. post-upgrade?	<p>GE Gas Power – Services, the manufacturer of the equipment being installed for the upgrades, has provided a letter stating that the upgrades to the turbine generator 'will maintain [air] emissions levels at or below site permit levels'.</p> <p>PEC operates under an environmental permit called an Environmental Compliance Approval (ECA). The ECA approves the operation of the combined cycle combustion turbine facility inclusive of but not limited to two natural gas fired combustion turbines, each equipped with dry low-NOx burners. The ECA dictates nitrogen oxides and carbon monoxide emission limits for the facility. PEC uses a Continuous Emission Monitoring System (CEMS) to monitor emissions in the undiluted gases leaving the exhaust stacks and must investigate and report any exceedance during normal operation to the Ministry of Environment, Conservation and Parks (MECP).</p> <p>PEC is classified as a Schedule 4 facility and therefore must update their Emission Summary and Dispersion Modelling Report on an annual basis and demonstrate continued compliance with O. Reg. 419/05.</p> <p>The facility will continue to operate within all environmental permitting requirements.</p>
		Virtual Public Meeting	Can you make available hourly air pollution emission and fuel-consumption from the Portlands facility?	
		Portlands Email Inbox	Do you monitor the emissions of NOx, PM-12 and ozone from your plants? Would you share this data with us?	
		Virtual Public Meeting	How is the exhaust of the natural gas combustion in your plant measured?	
		Virtual Public Meeting	How will the upgrade change the air pollution coming from the plant? Particularly for NOx?	
		Virtual Public Meeting	I am a longtime resident of the area and have appreciated the significant improvement in air quality since the closing of the coal-plant. Please shape your answers about increases in emissions in terms of our experience in the environment, and not your compliance with regulations and directives. We need to know about the impact. What can you say about the anticipated difference in particulate matter etc. post-upgrade?	
		Portlands Email Inbox	I object to any further expansion of the Portlands Energy Centre. The city already had air quality issues that this plant and any upgrades will make worse, increasing the health risks of the people of Toronto, especially in the city's east end.	
		Portlands Email Inbox	I will be attending the zoom meeting to better understand how routine maintenance can improve efficiencies to produce the additional 50MW and what increase in CO2 emissions (methane) and other pollutants are anticipated.	
		Virtual Public Meeting	The Government of Canada estimates that the PEC emitted 1000 tonnes of NOx a year. What - if any - NOx abatement technologies do you have in place?	
		Virtual Public Meeting	What are the health risks associated with the upgrades to such a large population of people living so close by?	
Virtual Public Meeting	What level of NOx are you permitted to emit?			

Category	Sub-Category	Source	Question/Comment	Response
		Virtual Public Meeting	What would emissions per hour be at proposed max capacity vs current max capacity?	
		Virtual Public Meeting	Will the environmental assessment include an assessment of the health impacts of increased emissions from the plant?	
		Virtual Public Meeting	Will there be an increase in particulate and CO2?	
		Virtual Public Meeting	Will you increase the output of emissions?	
		Virtual Public Meeting	You mentioned that additional power will be generated without increasing the amount of gas burned. You mentioned particulate and CO2 are a ratio of the input. Does this mean that for a given output there will be fewer particulates and CO2.	
		Portlands Email Inbox	What are the climate impacts of this development?	
Emissions of Greenhouse Gases (GHGs)	Virtual Public Meeting	Are you able to share information on the current carbon and air pollutant (PM 2.5's, NOx) emissions generated by PEC and anticipated changes post-upgrades?	Planned project works will improve the efficiency of the gas turbines and as a result reduce the greenhouse gas intensity (i.e., the ratio of CO2 equivalent emissions to total electricity generation) of the facility.	
	Portlands Email Inbox	Do you monitor the GHG emissions from your plants? Would you share this data with us?		
	Virtual Public Meeting	Do you test for methane leaks in the ambient air in and around your facility? If so, do you include these fugitive emissions in your GHG emissions reporting?	Atura Power has projected that, following the efficiency upgrades, the net heat rate of the gas turbine generators (i.e., kJ/kWh HHV) is expected to reduce by 2% (at baseload and 15°C ambient temperature). The overall heat rate is expected to improve further as the facility will be able to fire the duct burners less as a result of the efficiency upgrades.	
	Portlands Email Inbox	Is it true that the upgrades to the Portlands Energy Centre will not increase the plant's greenhouse gas emissions?	The greenhouse gas intensity (i.e., the ratio of CO2 equivalent emissions to total electricity generation) of the facility is also expected to reduce by 2%.	
	Virtual Public Meeting	It has been scientifically shown that the Portlands Gas Plant is the single largest source of Greenhouse Gases in Toronto.	Greenhouse gas emissions from PEC are regulated under the Emissions Performance Standards Regulation (O. Reg. 241/19) under the Environmental Protection Act. Furthermore, information on GHG emissions from facilities across Canada who meet the requirements is collected under section 46 of the <i>Canadian Environmental Protection Act</i> . Reviewed 2021 greenhouse gas data is currently available through the Greenhouse Gas Reporting Program data search.	
	Virtual Public Meeting	On the Environmental Effects slide, I noticed CO2 was not listed (just NO, NO2, and CO) under the emissions that were not supposed to increase as per GE. Was that a mistake, or is there reason to expect CO2 emissions will increase?		
	Virtual Public Meeting	What additional greenhouse gas emissions and local air pollution are associated with this?		
	Virtual Public Meeting	What's the current greenhouse gas emissions level for the site and what will it become post-alteration?		
	Virtual Public Meeting	Will the amount of CO2 emitted increase as a result of this upgrade?		
	Virtual Public Meeting	You have not answered the question if the amount of greenhouse gas emissions will increase?	PEC will continue to operate as dictated by the IESO based on the supply and demand balance, which fluctuates season by season and year to year, and will continue to report annual greenhouse gas emissions under the provincial and federal reporting programs.	

Category	Sub-Category	Source	Question/Comment	Response
				Emission rates per Gigawatt hour (GWh) is not a reportable measure and therefore has not been quantified.
	Emissions Reporting	Portlands Email Inbox	Could you please provide me with the following data about the Portlands Generating Station for each year from 2017 to 2022 inclusive: <ul style="list-style-type: none"> - Total GHG emissions; - Total nitrogen oxides emissions; - Total fine particulate emissions (PM 2.5); - GHG emission rate per GWh; - Nitrogen oxides emission rate per GWh; and - Fine particulate (PM 2.5) emission rate per GWh? 	Owners or operators of facilities that meet published reporting requirements are required to report to the National Pollutant Release Inventory (NPRI) under the authority of the Canadian Environmental Protection Act (CEPA). Reviewed 2021 NPRI data and preliminary 2022 NPRI data is currently available through the NPRI data search.
		Portlands Email Inbox	Could you please share your forecast of Portland's GHG emission rate per GWh; nitrogen oxides emission rate per GWh; and fine particulate (PM 2.5) emission rate per GWh if your proposed "efficiency upgrades" are made?	PEC will continue to operate as dictated by the IESO based on the supply and demand balance, which fluctuates season by season and year to year, and will continue to report annual emissions to the NPRI.
		Virtual Public Meeting	How can the public obtain the emissions reports you produce?	Emission rates per Gigawatt hour (GWh) is not a reportable measure and therefore has not been quantified.
		Portlands Email Inbox	It's not ratio of emissions, it's total emissions that matter. Will I have to choose between my home and being able to breathe?	
		Portlands Email Inbox	On a Per Mw basis what will be the emission increase (also absolute number) after the refit?	
		Portlands Email Inbox	Please provide a full detailing of all the emissions profile of the plant now and after the proposed expansion.	
		Portlands Email Inbox	What will be the difference in total output, not concentrations?	
		Virtual Public Meeting	You mentioned where we can find data on your carbon emissions. Where can we find similar data for air pollutants?	
Environmental Screening Process	Engagement Process	Portlands Email Inbox	Have you informed the people and businesses located near your plants about the health hazards of air pollution produced by them?	Public and Indigenous engagement describes the continuous, two-way communication of project information and feedback between the proponent (Atura Power) and members of the public and Indigenous communities. It includes specific communication opportunities like public meetings, comment periods and project notices. It also includes ongoing communication opportunities available throughout the duration of the project via tools such as the project email address (portlandsupgrade@aturapower.com) and project webpage (aturapower.com/portlandsupgrade). The purpose of public and Indigenous engagement in the Environmental Screening Process is to allow the proponent to identify and address public concerns and issues and to provide the public with an opportunity to receive information about and make meaningful input into the project review and development.
		Portlands Email Inbox	We have reviewed the project documents and the website. How can we submit comments to be included in the public consultation? What is the email to submit to and when do you need them by?	
		Virtual Public Meeting	Will there be any other public meeting opportunities in this process?	
		Virtual Public Meeting	Could you clarify what public and Indigenous engagement means?	
		Virtual Public Meeting	So engagement is multiple forms of answering questions?	
		Virtual Public Meeting	What does "engage" mean?	
		Virtual Public Meeting	How did Atura Power notify local residents of this public consultation meeting?	

Category	Sub-Category	Source	Question/Comment	Response
		Virtual Public Meeting	What is the point of comments from the public when it seems that Atura has already been contracted to do this upgrade?	Public and Indigenous engagement is required for all projects that are subject to the Environmental Screening Process. Thursday, October 5 th was the only public meeting opportunity for this project (outside of individual meetings with Indigenous communities, for those interested), however, the project email address (portlandsupgrade@aturapower.com) and project webpage (aturapower.com/portlandsupgrade) will continue to be available for the duration of the project. Information on the availability of the Screening Report will be published in the same publications used to announce the project in September 2023: the <i>Toronto Star</i> , <i>Toronto Sun</i> , and <i>Beach Metro</i> newspapers. Information will also be posted on the project webpage at aturapower.com/portlandsupgrade .
		Virtual Public Meeting	How might concern over overall increased CO2 emissions and air quality expressed through public consultation effect the project's development?	
		Virtual Public Meeting	So engagement doesn't mean we have a say in how the project operates, just that we can get information about it?	
	Indigenous Engagement	Virtual Public Meeting	Since you did a land acknowledgment and hopefully respect Indigenous rights, are we to assume that if Indigenous communities are opposed to this upgrade, then you will not proceed with the upgrade?	Atura Power is preparing a Screening Report that documents the results of the Environmental Screening Process and engagement undertaken as part of the project, which includes engagement with Indigenous communities. Information on the availability of the Screening Report will be published in the same publications used to announce the project in September 2023: the <i>Toronto Star</i> , <i>Toronto Sun</i> , and <i>Beach Metro</i> newspapers. Information will also be posted on the project webpage at aturapower.com/portlandsupgrade .
		Virtual Public Meeting	Where can we find more information about your engagement with indigenous communities? Which communities did you consult?	
		Virtual Public Meeting	What were the concerns of those communities, and how were they addressed?	
		Virtual Public Meeting	Can the community make actionable demands through engagement?	
		Virtual Public Meeting	Can you give an example of how you addressed concerns, beyond just answering questions?	
	Public Meeting Format	Portlands Email Inbox	Since the live questions have been handpicked and completely irrelevant, I'm hoping you'll address real questions on real issues that are pressing and upon us such as wild fires and floods and emissions. There's a climate crisis!!!	The virtual public meeting was scheduled from 6:30 – 7:30 p.m. Eastern. The meeting began at 6:30 p.m. with a PowerPoint presentation on the efficiency upgrades project description and associated Environmental Screening Process. The presentation was followed by a moderated Question & Answer (Q&A) session during which time members of the public submitted their questions to Atura Power via a chat function. In order to address as many questions as possible, Atura Power prioritized questions relevant to the PEC Efficiency Upgrades project and the associated Environmental Screening Process. The meeting was extended to 7:40 p.m. to accommodate the interest that was noted during the Q&A period and answer as many project-specific questions as possible but Atura Power was not able to address all of the questions during the meeting. Meeting participants were reminded that the presentation and a summary of the Q&As would be posted on the project
		Portlands Email Inbox	We did not hear about this meeting until this evening and now the meeting is over. We live near to the facility - is there an opportunity for us to comment & review the project documents?	
		Portlands Email Inbox	We did not hear about this meeting until this evening and now the meeting is over. Why was this not better publicized to residents in the area?	
		Portlands Email Inbox	I was terribly disappointed and angry as I tuned in at 6:45pm and it was closing. This presentation was supposed to go from 6:30pm-7:30pm. What happened!!	
		Virtual Public Meeting	Why are questions being asked (and by whom) on material that was just presented?	
		Virtual Public Meeting	Why are you only addressing safe questions likely submitted by your own employees?	
		Virtual Public Meeting	I am sorry but it seems my questions are going in as "private", so they are not coming through. not sure how to change that... ??	
		Virtual Public Meeting	wow. what a joke. do you seriously think people are taking your question period seriously with these fluff questions? Unfortunately for you aren't hoodwinking the public.	

Category	Sub-Category	Source	Question/Comment	Response
		Virtual Public Meeting	Why aren't my questions going through?	<p>webpage following the meeting. Participants were also encouraged to visit the project webpage for project details at aturapower.com/portlandsupgrade or to contact Atura Power via the project email address (portlandsupgrade@aturapower.com) with any additional questions.</p> <p>This table also recaps questions that have been received to date¹, including those received during the virtual meeting (both answered and unanswered during the event), along with Atura Power's responses.</p>
		Virtual Public Meeting	For clarification - the questions that I am asking that are not being featured - I should send them to your e-mail address for a response?	
		Virtual Public Meeting	I don't see my question in the list	
	Screening Report and Public Review Period	Virtual Public Meeting	How long will the "comment period following the public meeting" last?	
		Virtual Public Meeting	What is the 30-day review period at the end of the screening process? Is that a period of consultation for the public?	
		Virtual Public Meeting	How long will the comment period following the public meeting last?	
		Virtual Public Meeting	Please explain the screening reports.	
		Portlands Email Inbox	Could you please send me a copy of your letter to the Ontario Ministry of Environment, Conservation and Parks seeking an exemption to the <i>Environmental Assessment Act</i> for your proposed 50 MW upgrade for Portlands?	<p>The PEC efficiency upgrades are subject to the Environmental Screening Process for Electricity Projects pursuant to Ontario Regulation 116/01, under the Ontario <i>Environmental Assessment Act</i>. As part of the Environmental Screening Process, Atura Power is required to prepare a Screening Report that documents the results of the Environmental Screening Process, including determining the potential for environmental effects of the project.</p> <p>The screening process includes a 30-day mandatory review period during which time anyone, including members of the public and Indigenous communities, can review the Screening Report. Information on the availability of the Screening Report will be published in the same publications used to announce the project in September 2023: the <i>Toronto Star</i>, <i>Toronto Sun</i>, and <i>Beach Metro</i> newspapers. Information will also be posted on the project webpage at aturapower.com/portlandsupgrade and distributed to anyone who has sent an email to the project inbox (portlandsupgrade@aturapower.com) and/or requested to be added to the project contact list to receive project updates and notifications.</p> <p>The project email will be available throughout the duration of the project.</p>
Exemption Request	n/a	Portlands Email Inbox	Your web site says Atura is requesting an exemption. Have you just made the request orally?	
		Portlands Email Inbox	Considering that the 'upgrade' will greatly increase generating capacity and consequently the amount of greenhouse gas emissions, how can you justify a request for exemption to the Ontario <i>Environmental Assessment Act</i> ?	

¹ The final version of the Screening Report will include a summary of all public engagement received over the course of the project. As this is a draft Screening Report, Atura Power can only include engagement received up to a recent date. As such, this table captures relevant comments/questions received up to early November 2023.

Category	Sub-Category	Source	Question/Comment	Response
		Portlands Email Inbox	OPG is asking Ontario's Ministry of the Environment to exempt its proposal to increase Portland's gas-fired generating capacity by 50 MW from the <i>Environmental Assessment Act</i> . Why? How will OPG know what mitigations to put in place for wildlife, biodiversity, water and air quality if it doesn't do a full Environmental assessment?	
		Portlands Email Inbox	Why is OPG asking Ontario's Ministry of Environment, Conservation and Parks to exempt its proposal to increase Portlands gas-fired generating capacity by 50 MW from the <i>Environmental Assessment Act</i> ?	
		Portlands Email Inbox	Can you please tell me when you expect to submit your environmental screening report to the Ministry of the Environment?	
		Portlands Email Inbox	I noted on the project webpage that Atura Power has applied for an exemption with MECP. Is there an expected timeline for when it will be known whether the EA proceeds?	
		Virtual Public Meeting	Why is OPG asking Ontario's Ministry of Environment, Conservation and Parks to exempt its proposal to increase Portlands gas-fired generating capacity by 50 MW from the <i>Environmental Assessment Act</i> ?	
Facility Operations	Operating Capacity	Virtual Public Meeting	For clarification, if you produce 9% more electricity with the same amount of gas then you omit less if you don't need to operate at full power, correct?	PEC operations are dictated by the IESO based on the supply and demand balance, which fluctuates season by season and year to year. Historically, the plant has operated between 1750 to 4500 hours per year, always at the direction of the IESO.
		Virtual Public Meeting	At what capacity of full power is PEC running in 2023?	The frequency at which the plant operates will <u>not</u> change going forward; the plant will continue to operate as directed by the IESO.
	Operating Frequency	Portlands Email Inbox	Using the IESO's hour-by-hour generation data, we were able to determine how many hours every gas plant in the province operates every day. The results show that far from the 2-5% of the time that was cited at the recent municipal hearings concerning new gas plant proposals, Ontario's gas plant fleet operates far more. The investigation found: <ul style="list-style-type: none"> - Nine of the province's biggest gas plants operated more than 12 and a half hours a day, on average, everyday this year. - The three GTA gas plants were turned on even more. The Portlands Energy Centre in Toronto, the Goreway Power Station in Brampton and the Halton Hills Generating Station have been in production for an average of at least 13 hours and 30 minutes a day in 2023. - This summer, the GTA plants were fired up at least 18 hours and 20 minutes, on average, a day. The Portlands plant ran the most: 21 hours a day. - Contrary to historical trends, which show more peaking plant usage in summer, the Halton Hills plant ran more in the winter (21 hours/day) than it did in the summer (18 hours/day), last year. I'm reaching out to request comment from Atura, as owners of the Portlands and Halton Hills Plants.	PEC operations are dictated by the IESO based on the supply and demand balance, which fluctuates season by season and year to year. Historically, the plant has operated between 1750 to 4500 hours per year, always at the direction of the IESO.
		Portlands Email Inbox	I've lived in Leslieville since 1997. We were promised limited use of the plant as backup power only - now it is operating 21 hours daily!	The frequency at which the plant operates will <u>not</u> change going forward; the plant will continue to operate as directed by the IESO.
		Virtual Public Meeting	After the upgrade will PEC be operating for more hours?	
		Virtual Public Meeting	This plant was intended to be a "peaker plant" that operates for only a few hours a week at most, but Portlands has been running as much as 21 hours a day all summer. Does Atura power have plans to reduce operations?	
Virtual Public Meeting	How many hours per year is the plant expected to operate, please?			

Category	Sub-Category	Source	Question/Comment	Response
		Virtual Public Meeting	How many hours a day is the Portlands facility operating?	
		Virtual Public Meeting	Will the upgraded parts allow the plant to operate more hours per day?	
		Virtual Public Meeting	Do you expect that the frequency of use of the plant will increase as a result of this upgrade? What is the current frequency of use?	
		Virtual Public Meeting	Even though the emissions intensity is not expected to increase, what are the hours of operations per year that are expected, please?	
		Virtual Public Meeting	Could you address the reporting in the Toronto Star that the Portlands Energy Centre ran for nearly 21 hours a day all summer long in 2023? Why has the plant been used this much?	
		Virtual Public Meeting	These plants were designed and approved to be supplemental to the existing power generation grid, up to 14hrs a day does not seem in-keeping with the original plan, is there an explanation as to why this has occurred?	
		Virtual Public Meeting	I get that the plant's operational algorithm will not change, but the fact that it is being made to be more efficient suggests that the \$/MWH threshold price will decrease. Doesn't this mean that the run-time of the plant should increase?	
		Virtual Public Meeting	As a peaker plant, how frequently was the Portlands plant intended to operate, how much does it currently operate, and what is the projection for future use?	
		Virtual Public Meeting	I understand PEC produced power on average 21 hours per day this summer. How can this be considered a peaker plant?	
		Virtual Public Meeting	There is a discrepancy between the 21 hours a day the Toronto Star reported this summer and the 8 to 14 or 15 hours in your response about the hours of operation. Please comment.	
		Virtual Public Meeting	Can you convert the hours operating to minutes?	
		Virtual Public Meeting	IESO projections show that gas plant use will go up to more than 19 hours a day by 2026. Does that mean that even if the PEC is more efficient, it will still be fired up more and produce more emissions?	
	Operations Contract	Portlands Email Inbox	Was the plant originally scheduled to close in 2029 but now will stay open until 2034?	PEC is contracted to operate until April 2034, meaning it is expected to operate for approximately 10 more years.
		Virtual Public Meeting	How many more years is Portlands expected to operate?	Atura Power does not know if PEC will continue to operate beyond 2034.
		Virtual Public Meeting	Does Atura Power plan to continue burning fossil fuels at PEC after 2035?	
		Virtual Public Meeting	Does Atura intend to renew its contract for PEC beyond 2034?	
		Virtual Public Meeting	Not much of a time horizon. <i>[Meeting participant was commenting on the discussion about how Portlands Energy Centre is contracted to operate until April 2034].</i>	
		Virtual Public Meeting	What happens when contract ends in 2024?	
		Virtual Public Meeting	What happens at the conclusion of PEC's contract in 2034?	

Category	Sub-Category	Source	Question/Comment	Response
	Portlands Energy Centre	Portlands Email Inbox	Is it accurate to say that PEC is a natural gas electrical generating station?	PEC is a combined-cycle natural gas electricity generating power plant. It can be operated as needed, during periods of peak demand when intermittent energy sources like wind and solar might not be available or might not be enough to meet demand. This is often described as a peaker plant. PEC has three turbines; G1 and G2 refer to the two gas turbines while G3 refers to the steam turbine.
		Virtual Public Meeting	Is this a peaker plant or baseload power plant?	
		Virtual Public Meeting	Data available on the IESO website describe PEC operations for "G1, G2, and G3". Are you able to talk a little about PEC operations from the three turbines please? For instance, which label applies to which turbine? Thank you.	
		Virtual Public Meeting	Does PEC still count as a "peaking plant"? I believe you said it can run 8-14 hours per day.	
Waste Heat	Virtual Public Meeting	What are your plans for the waste heat? Have you looked into suppling it as district heating to new Portlands developments?	PEC uses waste heat from the plant to generate steam, which is used to create additional electricity. Exhaust heat from the gas turbines is passed through a heat recovery steam generator which turns water to steam that is then used to power a steam turbine and generate additional electricity. This occurs in a closed loop where the remaining condensation from the steam is captured and reused over and over again.	
	Virtual Public Meeting	I'm aware of how combined system plants work. After using steam to generate additional electricity there will still be steam. The Portlands area, as far as I know, will use district heating and cooling. Steam does not need to be superheated to be useful for district heating. Have you contacted the city about to see if they can use your steam?		
	Virtual Public Meeting	I didn't realize that you capture the heat from the steam and use it again.		
Water Use	Portlands Email Inbox	"When the former Ontario Hydro established the Lennox Generating Station in Bath, they also had plans to mitigate the effects of warm water being discharged from the plant, which was then designed to burn oil -and has since been converted to natural gas. It was projected that the warmer water discharged into the North Channel would make the ice unsafe. To compensate for this, a bubble system was installed to enable the Amherst Island Ferry to operate year-round. Does the Portland's electricity generation plant use water from Lake Ontario for cooling purposes? Is so, how much water is used daily, and what is the projected effect on Lake Ontario from the Portlands plant? What is the temperature of the water as it is taken from Lake Ontario, and what is the temperature of the water being discharged into Lake Ontario?"	PEC uses water from Lake Ontario to cool and condense the steam exiting from the steam turbine which allows the facility to reuse that condensate in the steam generation process, thereby raising the station's efficiency. Approximately 300 m ³ of water passes through the station per day on average when the facility is operating. The average increase in water temperature from intake to discharge is in the range of 5 to 8 °C. PEC also provides a service in the summer months where it sterilizes the water of E-coli bacteria through a chlorination/dichlorination process, thereby improving the quality of the water to nearby beaches. Yes, 300 m ³ is 300 cubic meters of water is used daily to cool and condense the steam exiting from the steam turbine.	
	Portlands Email Inbox	Is 300 m ³ translated into my simple English 300 cubic metres of water that is used as a coolant daily?		
	Portlands Email Inbox	I'm surprised by how little water is used, and re-used, for cooling purposes.		
	Other	Virtual Public Meeting		What pollution abatement is in place?
	Virtual Public Meeting	How does this upgrade impact PEC's requirement and timing to meet the proposed federal Clean Electricity Regulation emission standard of 30 tonnes CO2/MWh? Thank you.	Atura Power complies with and will continue to comply with all applicable provincial and federal emissions regulations.	
		The federal draft Clean Electricity Regulations set a performance standard of 30 t CO2/MWh for generation facilities. Without an upgrade, PEC would need to meet the standard in 2035 (since PEC was commissioned in 2009). Will the upgrade postpone the requirement for PEC to meet 30 t/MWh standard?		
		Portlands Email Inbox		Could you please provide me with the GWh supplied to the IESO-controlled grid for the Portlands Generating Station for each year from 2017 to 2022 inclusive?
				Publicly-available supply and emissions data related to PEC are available via the following links:

Category	Sub-Category	Source	Question/Comment	Response
				<ol style="list-style-type: none"> 1. GWh supplied to the IESO-controlled grid http://reports.ieso.ca/public/ & Data Directory (ieso.ca) 2. Total GHG emissions; https://climate-change.canada.ca/facility-emissions/ 3. Total nitrogen oxides emissions; https://climate-change.canada.ca/facility-emissions/ 4. Total fine particulate emissions (PM 2.5); https://pollution-waste.canada.ca/national-release-inventory/ <p>After the upgrades, the station's thermal efficiency will increase due to a reduced heat rate (BTU/kWh). This means that the same amount of fuel used will produce more power after the upgrades. The upgrades to the turbine generators 'will maintain [air] emissions levels at or below site permit levels', as stated by the manufacturer of the equipment being installed for the upgrades, GE Gas Power – Services. The facility will continue to operate in accordance with all environmental permitting requirements.</p>
Project Description	General	Virtual Public Meeting	What will the upgrades include? What changes will be made?	<p>Atura Power is planning to make efficiency upgrades at PEC. The parts that are being replaced are the same parts that would normally be replaced at regular maintenance overhauls, but due to improved technology, will be more efficient. Better materials are used to manufacture the parts, and these can withstand a higher operating temperature and therefore produce more power. The advanced materials and the optimized cooling flows enable the engine to run at higher operating temperatures and use fuel more effectively, allowing for a higher power output per gigajoule (GJ) of fuel consumed.</p> <p>PEC is currently capable of outputting 550 megawatts (MW) to Ontario's electricity grid. Upgrading the equipment at PEC will increase its generating capacity by 50 MW to an output of 600 MW. All upgrade activities will take place within the existing facility and there will be no changes or expansion beyond the existing PEC footprint.</p>
		Virtual Public Meeting	Is the increased capacity 5 MW or 50 MW? I saw and heard two figures.	
	Efficiency Upgrade	Virtual Public Meeting	For clarification - you won't be using more fuel with the expansion?	
		Virtual Public Meeting	The presentation says that there will be more power generated with a similar amount of gas burned before. How similar - 10% increase or more?	
		Virtual Public Meeting	Are you saying there will be more power generated without an increase in emissions? Please clarify.	

Category	Sub-Category	Source	Question/Comment	Response
		Virtual Public Meeting	You mentioned that the facility will be more efficient. Can you be specific? How much more efficient? Thanks!	turbines within the existing facility, and there will no change to the physical size or footprint of the station. After the upgrade, the plant's thermal efficiency will increase due to a reduced heat rate (British thermal unit/kilowatt-hour (BTU/kWh)). This means that the same amount of fuel used will produce more power after the upgrades. Atura Power has projected that, following the efficiency upgrades, the net heat rate of the gas turbine generators (i.e., kJ/kWh HHV) is expected to reduce by 2% (at baseload and 15°C ambient temperature). The overall heat rate is expected to improve further as the facility will be able to fire the duct burners less as a result of the efficiency upgrades.
		Virtual Public Meeting	At full capacity will it burn more fossil fuel than currently?	
		Virtual Public Meeting	You mention that "similar" levels of natural gas will be burned in order increase the energy output; can you define similar?	
Hydrogen		Virtual Public Meeting	Do these efficiency upgrades apply to hydrogen power as well?	
	Schedule	Virtual Public Meeting	How long will it take to complete the installation of the upgrades?	The upgrades are scheduled to take place in fall 2024. The upgrade specific work will take approximately four to five weeks per unit to disassemble, replace parts and reassemble the gas turbines. There are two units, and they will be completed one at a time.
Project Need	Consideration of Alternatives	Virtual Public Meeting	What alternatives were considered before deciding to go ahead with the project?	The IESO is moving forward with a procurement process to meet near, medium and long-term energy needs while maintaining the province's focus on cost-effective reliability. Part of this process is the province's request for upgrades to increase production at existing facilities. Atura Power is responding to this need identified by the IESO through the contracted PEC Efficiency Upgrades project.
		Virtual Public Meeting	What alternatives to this option to increase capacity have been considered?	
		Virtual Public Meeting	What happens if the upgrades are not done?	
Independent Electricity System Operator (IESO)	Portlands Email Inbox		I understand OPG has an important role to fulfill in keeping energy production at the level needed by consumption. This is certainly challenging in this era of climate chaos and push back from the fossil fuel industry. However, I feel OPG could be taking a better leadership position in the energy transition than it is currently doing. <ul style="list-style-type: none"> - Why is OPG not respecting the wishes of Toronto City Council who voted against this expansion on May 10th and whereby the Ontario Minister of Energy previously indicated the wishes of municipalities would be respected? - With the increases in GHG emissions expected to increase by 700% by 2041 if the current policies and plans are maintained, why does our publicly owned utility think more fossil gas burning is a good idea in the middle of a climate crisis? - RBC, environmental organizations and even IESO have provided other options to address future energy demands. Enbridge is already making money out of federally supported consumer energy efficiency programs. Why are these other options not being considered by OPG as a more immediate option while transition from fossil fuels takes place or until Small Modular Reactors are in a position to be regulated? 	After years of strong energy supply, Ontario is entering a period of growing electricity system demand (a predicted energy supply gap) and actions are needed to ensure the continued reliability of the electricity grid. New decarbonization policies coupled with rapid growth in the mining, greenhouse and industrial sectors are accelerating electricity demand growth across the province and heightening needs in certain regions. The IESO's most recent Annual Planning Outlook (APO) reflects these trends. It projects a steady rise in electricity demand that highlights the strengths of Ontario's communities and economy to navigate the challenges of the pandemic, pursue electrification and support economic growth.
			I am not in favour of any expansion or increase of natural gas output. Improving efficiency so that an increase of 50MW can be facilitated is not about sustainability carbon reduction or resiliency. It is simply continuing the use of fossil fuels.	

Category	Sub-Category	Source	Question/Comment	Response
		Portlands Email Inbox	On May 10th Toronto City Council passed a resolution opposing the expansion of the Portlands gas plant. Why is OPG not respecting the wishes of Toronto City Council?	The IESO established the Resource Adequacy Framework in 2021 to provide a flexible and cost-effective approach for competitively securing the resources necessary to meet demand and ensure system reliability. These upgrades are part of the plan IESO put in place to meet Ontario's energy needs; Atura is responding to the plan the IESO put in place to address the supply gap.
		Virtual Public Meeting	On May 10th Toronto City Council passed a resolution opposing the expansion of the Portlands gas plant. Why is OPG not respecting the wishes of Toronto City Council?	
		Virtual Public Meeting	In view of the global climate crisis, which a major cause of which is burning fossil fuels, why is the "efficiency upgrade" not addressing and lowering the emissions?	
		Virtual Public Meeting	Why is OPG not respecting the wishes of Toronto City Council?	
		Virtual Public Meeting	How does this upgrade help reach net-zero emissions by 2035?	
		Virtual Public Meeting	Why is this project going forward when Toronto City Council passed a resolution opposing the project?	
		Virtual Public Meeting	Does Atura management acknowledge that we are facing a climate emergency and, if so, how does reality inform its decision to enhance and continue operating this fossil fuel energy plant?	
		Virtual Public Meeting	How do you justify this? [Meeting participant asking about Atura Power's reason for pursuing the Portlands Energy Centre efficiency upgrades project].	
		Virtual Public Meeting	Why does our publicly owned utility think more fossil gas burning is a good idea in the middle of a climate crisis?	
		Virtual Public Meeting	Wouldn't the fastest way to reduce GHG emissions in Toronto be to shut down the Portlands plant as soon as feasible?	
	Independent Electricity System Operator (IESO) Procurement Process	Virtual Public Meeting	Did Atura initiate this project or was it called for from another organization?	After years of strong energy supply, Ontario is entering a period of growing electricity system demand (a predicted energy supply gap) and actions are needed to ensure the continued reliability of the electricity grid. To close this gap and meet the projected demand, the Independent Electricity System Operator (IESO) is moving forward with a procurement process to meet near, medium, and long-term energy needs while maintaining the province's focus on cost-effective reliability. The upgrades to PEC are part of Atura Power's efforts to address this supply gap.
		Virtual Public Meeting	Did Atura Power lobby for the plant? How was Atura chosen as the contractor for this and other projects in Ontario?	
	Role of Gas in Ontario Energy Supply	Portlands Email Inbox	Expanding your plant sends more carbon upward and NO pollution downwind to us. Why spend millions expanding a fossil fuel plant instead of spending that money on energy conservation programs to help residents and businesses save money & renewables?	Wind and solar generation are important resources and will continue to play an increasing role in supplying clean electricity; however, other resources are required to maintain system reliability. It is not uncommon to have a week or more of low wind or overcast conditions and for these periods of time, it is critical to have generation resources available that can operate on demand. Natural gas generation operates on demand regardless of weather conditions to ensure electricity
		Portlands Email Inbox	We should be working towards closing this project, or at least reducing its footprint. Switching anything from fossil fuel powered to electric is meaningless if in fact the electricity is generated using fossil fuels.	
		Portlands Email Inbox	Even the major fossil fuel companies are recognizing the threat to life as we know it on planet earth that is climate change. According to the IPCC we only have until 2030 to roll back carbon emissions. We need to get off gas. Ramp up green energy!	

Category	Sub-Category	Source	Question/Comment	Response
		Portlands Email Inbox	I don't support expanding the burning of fossil fuels for power. While some fossil fuels may be needed while we transition to cleaner sources of energy and storage options, more should be done on that front instead of investing more in gas plants.	system reliability and ensures that wind and solar generation can be reliably incorporated into the electricity system.
		Portlands Email Inbox	I want it known that I am very opposed to the Portland's increase in capacity. This is the wrong direction to be going in. Any government money and/or private capital spent on this could be much better spent on off shore wind and solar - much cheaper and emissions-free. Also Toronto has great plans in the Net-Zero Emissions by 2040 strategy that passed in council recently. We need industry that will help us get there. Expanding gas in our city will not do so. Our council doesn't want it and nor do a majority of Torontonians. People are becoming increasingly aware of the climate crisis and the role of fossil fuels in having created the crisis. We will not sit by and let our present and future be hijacked by ill conceived notions of the need for anymore gas.	
		Portlands Email Inbox	With the excess power available from Quebec Hydro why is this natural, renewable hydro not the first and only option?	
		Portlands Email Inbox	There are many, many Canadians who want natural energy to be the focus. We want to fund only natural energy alternatives. Why does our publicly owned utility think more fossil gas burning is a good idea in the middle of a climate crisis? Why is there no effort to go natural?	
		Virtual Public Meeting	Can the supply gap should be filled by non-fossil fuel sources given we are in the middle of a climate crisis: Renewables, including wind, solar plus purchases from Quebec?	
		Virtual Public Meeting	Why isn't the excess capacity of Quebec Hydro not an option? It's cheap, renewable, and available. And by far the cheapest. We're in the midst of a climate crisis and more gas plants are part of the problem.	
		Virtual Public Meeting	I would like to know why we are continuing to invest in fossil fuels vs the cheaper options of conservation and renewable energy options. Thanks.	
		Virtual Public Meeting	Why aren't you looking at renewable, non-polluting energy? It doesn't matter that you are not changing the 'footprint of the plant. The fact that you are using polluting fossil fuels is UNACCEPTABLE!	
		Virtual Public Meeting	Atura's gas plants are contributing to the climate crisis. Why doesn't Atura Power put pressure on the government to invest in green alternatives instead of these efficiency upgrades?	
		Virtual Public Meeting	With the global climate crisis, why are renewable energy sources not being used?	
		Virtual Public Meeting	Were green energy options considered instead of these upgrades?	
		Virtual Public Meeting	Does Atura management acknowledge that we are facing a climate emergency and, if so, how does reality inform its decision to enhance and continue operating this fossil fuel energy plant? Should Atura, for example, be investing in solar and wind instead?	
		Virtual Public Meeting	The IESO has also identified that wind and solar could meet demands.	
	Upgrades vs. Expansion	Virtual Public Meeting	As you are classifying the proposed work as an upgrade rather than expansion, does this exempt the project from the IESO mandate that municipalities must approve gas-plant expansions? Toronto City Council has twice opposed gas expansion. Will this be considered?	
		Virtual Public Meeting	Why spend millions expanding a fossil fuel plant instead of spending that money on energy conservation programs that can help residents and businesses save money?	

Category	Sub-Category	Source	Question/Comment	Response
		Portlands Email Inbox	By expanding Gas powered plants, Atura Power and the province of Ontario is shooting itself in the foot environmentally and financially. Fossil fuels are being phased out as we speak as there are healthier and cheaper alternatives for the taxpayer.	<p>due to improved technology, will be more efficient. Better materials are used to manufacture the parts, and these can withstand a higher operating temperature and therefore produce more power. The advanced materials and the optimized cooling flows enable the engine to run at higher operating temperatures and use fuel more effectively, allowing for a higher power output per gigajoule (GJ) of fuel consumed.</p> <p>All upgrade activities will take place within the existing facility and there will be no changes or expansion beyond the existing PEC footprint.</p>
		Virtual Public Meeting	We just had the hottest summer & the hottest September on record, globally. There are cheaper, healthier, and safer alternatives to gas plants. Portlands Gas Plants was originally built despite local protests, under promises it would only be a "peak supplier" yet it in fact has been running 21 hours a day. Plus, Toronto City council voted against the expansion of this plant. Despite all these facts and more, why does OPG still want to expand the gas plant, against the wishes of local Torontonians and Ontarians alike?	
		Virtual Public Meeting	How is expanding a gas plant in 2023 aligned with Canada?	
		Virtual Public Meeting	Has the city of Toronto approved this expansion?	
		Virtual Public Meeting	How is expanding a gas plant in 2023 aligned with Canada's greenhouse gas emission reduction commitments? How is a gas plant expansion aligned with the federal government's proposed Clean Electricity Regulations?	
		Virtual Public Meeting	The Minister of Energy directed that gas projects would need municipal approval - Toronto has voted against this expansion. Why won't the IESO respect Toronto's wishes?	
		Virtual Public Meeting	Sorry I forgot the question. The UN has said that all new fossil fuel development is moral and economic madness! How can you justify this expansion when the climate and health affects are disastrous?	
		Virtual Public Meeting	If council opposed this expansion, why is it going ahead?	
		Virtual Public Meeting	Why is an expansion happening in the middle of a climate crisis?	
		Virtual Public Meeting	Why is OPG Atura expanding gas generation instead of building clean wind, solar and waterpower projects to meet demand growth?	
		Virtual Public Meeting	Another report available to the public is the most recent IPCC report, which states, unequivocally, that we must reduce fossil fuel output, and you are expanding your facilities to support an additional 50 megawatts (MW) of output.	
		Virtual Public Meeting	How do you justify an expansion in an age of spiralling environmental disaster? As human beings, how can you even entertain this?	
		Virtual Public Meeting	The only thing right now that is critical is stopping all fossil fuel expansion and drastically cutting emissions as fast as possible.	
		Virtual Public Meeting	These types of expansions - or whatever greenwashing nonsense you peddle them as - as a way to stall true action toward a livable future for humanity.	
Request for Project/Meeting Materials	n/a	Portlands Email Inbox	Can you please send me a copy of the Q&A promised during the meeting, or a link to where it is posted?	<p>Materials from the public meeting, including a copy of the presentation and a document summarizing the Question and Answer period, are available on the project webpage at aturapower.com/portlandsupgrade, under the Project Documents heading.</p>
		Portlands Email Inbox	Can you advise if the Q&A resulting from the Oct 5 public consultation meeting has been published and where it is available for review.	
		Portlands Email Inbox	Do you have any idea when the Q&A's will be posted?	

Category	Sub-Category	Source	Question/Comment	Response
		Portlands Email Inbox	Would you please share the materials with us after the meeting for TRCA staff to review?	
		Virtual Public Meeting	You told us to see your website for summary. Under which heading will it be posted?	
		Virtual Public Meeting	Will the meeting be recorded and available later?	

Appendix B3b: Correspondence Records with Members of the Public

From: [REDACTED]

Sent: Thursday, September 21, 2023 1:18 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Exemption request

Hi Atura Power,

Could you please send me a copy of your letter to the Ontario Ministry of Environment, Conservation and Parks seeking an exemption to the Environmental Assessment Act for your proposed 50 MW upgrade for Portlands.

Please also send me any response(s) to this request that you have received from the Ministry.

Thank you.

[REDACTED]

[REDACTED]

Chair, Ontario Clean Air Alliance

160 John Street, #300

Toronto, ON M5V 2E5

Ph. [REDACTED]

From: Upgrade project for PEC

Sent: Tuesday, September 26, 2023 11:40 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Exemption request

Good day, [REDACTED]

Thank you for reaching out to us and for your requests regarding the Portlands Energy Centre Efficiency Upgrades project.

Please note that a letter has not been sent to the Ministry of the Environment, Conservation and Parks regarding an exemption to the Ontario *Environmental Assessment Act*.

Kindest regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Tuesday, September 26, 2023 11:53 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: RE: Exemption request

Hi Darius,

But your web site says Atura is requesting an exemption. Have you just made the request orally?

[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Thursday, October 5, 2023 7:50 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Exemption request

Good morning, [REDACTED]

Thanks again for reaching out to us.

Please be advised that Atura Power is not seeking an exemption to the Ontario *Environmental Assessment Act* from the Ontario Ministry of the Environment, Conservation and Parks related to the Portlands Energy Centre Efficiency Upgrades project.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Friday, October 6, 2023 2:32 PM

To: 'Upgrade project for PEC' <portlandsupgrade@aturapower.com>

Cc: [REDACTED]

[REDACTED]

Subject: Production and emissions data request

Hi Darius,

Could you please provide me with the following data about the Portlands Generating Station for each year from 2017 to 2022 inclusive:

1. GWh supplied to the IESO-controlled grid;
2. Total GHG emissions;
3. Total nitrogen oxides emissions;
4. Total fine particulate emissions (PM 2.5);
5. GHG emission rate per GWh;
6. Nitrogen oxides emission rate per GWh; and
7. Fine particulate (PM 2.5) emission rate per GWh.

Could you please also provide me with your forecast of Portland's GHG emission rate per GWh;

nitrogen oxides emission rate per GWh; and fine particulate (PM 2.5) emission rate per GWh if your proposed "efficiency upgrades" are made.

Thank you.

[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Monday, October 30, 2023 2:18 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Cc: [REDACTED]
[REDACTED]

Subject: RE: Production and emissions data request

Good evening, [REDACTED]

Sorry for my late reply and thank you for your patience.

Public-available supply and emissions data related to PEC are available via the following links:

1. GWh supplied to the IESO-controlled grid <http://reports.ieso.ca/public/> & [Data Directory \(ieso.ca\)](#)
2. Total GHG emissions; <https://climate-change.canada.ca/facility-emissions/>
3. Total nitrogen oxides emissions; <https://climate-change.canada.ca/facility-emissions/>
4. Total fine particulate emissions (PM 2.5); <https://pollution-waste.canada.ca/national-release-inventory/>

After the upgrades, the station's thermal efficiency will increase due to a reduced heat rate (BTU/kWh). This means that the same amount of fuel used will produce more power after the upgrades. And, the upgrades to the turbine generators 'will maintain [air] emissions levels at or below site permit levels', as stated by the manufacturer of the equipment being installed for the upgrades, GE Gas Power – Services. The facility will continue to operate in accordance with all environmental permitting requirements.

Thank you again,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Tuesday, October 17, 2023 7:48 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: FW: Production and emissions data request

Hi Darius,

Could you please let me know when you will be able to provide me with responses to my questions below.

And can you please also tell me when you expect to submit your environmental screening report to the Ministry of the Environment.

Thank you.

[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Monday, October 30, 2023 2:27 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Production and emissions data request

Hello again, [REDACTED]

I just sent my responses to your earlier email. Sorry again for the delay.

We expect to publish the PEC Efficiency Upgrades Screening Report and Notice of Completion in November or December 2023, and provide them to the MECP in January or February, 2024.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 4:57 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: I would like to attend the virtual meeting.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 4, 2023 1:07 PM

To: [REDACTED] Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for reaching out to us.

A link to the upcoming PEC Efficiency Upgrades public meeting will be available on our project website, aturapower.com/portlandsupgrade, on Oct. 5th.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 4:31 PM

To: Station Manager @ Portlands <stationmgr.portlands@aturapower.com>

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre –

Toronto

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: Portlands Energy Centre – Toronto

Email Address: [REDACTED]

Enter Your Message Here: Looking to receive link for Oct 5 virtual public meeting re Portlands Gas Plant

I accept the privacy policy: Checked

From: Station Manager @ Portlands <stationmgr.portlands@aturapower.com>

Sent: Wednesday, October 4, 2023 8:34 AM

To: [REDACTED]

Cc: Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

Good Morning [REDACTED]

Thank you for your interest in the virtual public meeting happening tomorrow, Oct 5th.

The link will appear on the project's web site early on in the day prior to the meeting starting time of 6:30pm. The link will be located here:

<https://aturapower.com/portlands-energy-centre-upgrade>

Regards,

Don Tiffney

Plant Manager | Portlands Energy Centre

Atura Power

[REDACTED]
470 Unwin Avenue, Toronto, ON, M4M 3B9

From: [REDACTED]

Sent: Tuesday, October 3, 2023 11:04 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Please send me the link to Oct 5th virtual meeting thx

Sent from my Galaxy

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 4, 2023 1:04 PM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Please send me the link to Oct 5th virtual meeting thx

Hello.

Thank you for reaching out to us.

A link to the upcoming PEC Efficiency Upgrades public meeting will be available on our project website, aturapower.com/portlandsupgrade, on Oct. 5th.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 1:19 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: I would like the zoom link for the meeting.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 4, 2023 1:06 PM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for reaching out to us.

A link to the upcoming PEC Efficiency Upgrades public meeting will be available on our project website, aturapower.com/portlandsupgrade, on Oct. 5th.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 5:46 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: I would like to be in the consultation.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 4, 2023 1:09 PM

To: [REDACTED] Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for reaching out to us.

A link to the upcoming PEC Efficiency Upgrades public meeting will be available on our project website, aturapower.com/portlandsupgrade, on Oct. 5th.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Wednesday, October 4, 2023 8:58 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: Please give me a link to the meeting on Thursday at 6:30. Thank you. [REDACTED]

[REDACTED]

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 4, 2023 1:09 PM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for reaching out to us.

A link to the upcoming PEC Efficiency Upgrades public meeting will be available on our project website, aturapower.com/portlandsupgrade, on Oct. 5th.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Wednesday, October 4, 2023 1:43 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name:

[REDACTED]

Last name:

[REDACTED]

Region/Topic:

PEC Upgrade

Email Address:

[REDACTED]

Enter Your Message Here: Interested in the project details.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 4, 2023 5:47 PM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Good day, [REDACTED]

Thank you for reaching out to us.

Details about the PEC Efficiency Upgrades project are available on our project webpage at aturapower.com/portlandsupgrade.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Wednesday, October 4, 2023 2:04 PM

To: Station Manager @ Portlands <stationmgr.portlands@aturapower.com>

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: Portlands Energy Centre – Toronto

Email Address: [REDACTED]

Enter Your Message Here: I would like to come to the meeting on Thursday Oct 5th about increasing production at the Portlands Gas Plant.

I accept the privacy policy: Checked

From: Station Manager @ Portlands

Sent: Wednesday, October 4, 2023 2:57 PM

To: [REDACTED] Station Manager @ Portlands

<stationmgr.portlands@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

Good Afternoon [REDACTED]

Thank you for your interest in the virtual public meeting happening tomorrow, Oct 5th. The meeting is virtual so attendance is via a web based link.

The link will appear on the project's web site early on in the day prior to the meeting starting time of 6:30pm. The link will be located here:

<https://aturapower.com/portlands-energy-centre-upgrade>

Regards,

Don Tiffney

Plant Manager | Portlands Energy Centre

Atura Power

[REDACTED]
470 Unwin Avenue, Toronto, ON, M4M 3B9

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Wednesday, October 4, 2023 3:15 PM

To: Station Manager @ Portlands [REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

First name:

[REDACTED]

Last name:

[REDACTED]

Region/Topic:

Portlands Energy Centre – Toronto

Email Address:

[REDACTED]

Enter Your Message Here: What are the climate impacts of this development?

I accept the privacy policy: Checked

.

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From: [REDACTED]
Sent: Monday, October 30, 2023 10:21 AM
To: [REDACTED]
Cc: Upgrade project for PEC <portlandsupgrade@aturapower.com>
Subject: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

Hello [REDACTED]

Thank you for your email and your interest in the Portlands Energy Centre Efficiency Upgrades project and I apologize for the delay in this response.

The upgrades to the turbine generators 'will maintain [air] emissions levels at or below site permit levels', as stated by the manufacturer of the equipment being installed for the upgrades, GE Gas Power – Services. The facility will continue to operate in accordance with all environmental permitting requirements.

Should you require any more information, materials from the public meeting and project updates are available on the project webpage at <https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Thank you

Regards,

Don Tiffney
Plant Manager |
Atura Power

[REDACTED]
470 Unwin Avenue, Toronto, ON, M4M 3B9

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 10:25 AM

To: Station Manager @ Portlands <stationmgr.portlands@aturapower.com>

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: Portlands Energy Centre – Toronto

Email Address: [REDACTED]

Enter Your Message Here: Attend seminar

I accept the privacy policy: Checked

From: Station Manager @ Portlands <stationmgr.portlands@aturapower.com>

Sent: Thursday, October 5, 2023 10:55 AM

To: [REDACTED]

Cc: Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

Good Morning [REDACTED],

I believe you are inquiring about our public meeting with regards to our efficiency upgrades at Portlands Energy Centre?

Thank you for your interest in the virtual public meeting happening today, Oct 5th. The meeting is virtual so attendance is via a web based link.

The link will appear on the project's web site today prior to the meeting starting time of 6:30pm. The link will be located here:

<https://aturapower.com/portlands-energy-centre-upgrade>

Regards,

Don Tiffney

Plant Manager | Portlands Energy Centre

Atura Power

[REDACTED]
470 Unwin Avenue, Toronto, ON, M4M 3B9

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 8:44 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: Please provide the information for virtual participation in the PEC upgrade public town hall

I accept the privacy policy: Checked

From: Darius Sokal [REDACTED]

Sent: Thursday, October 5, 2023 3:00 PM

To: [REDACTED]

Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

The participation link for tonight's Portlands Energy Centre Efficiency Upgrade public meeting is available on the project webpage here: <https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Thank you for your message and interest in our project.

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 10, 2023 12:32 PM

To: Station Manager @ Portlands <stationmgr.portlands@aturapower.com>

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: Portlands Energy Centre – Toronto

Email [REDACTED]

Address: [REDACTED]

Enter Your Message Here: I attended the meeting on Oct 5 for the consultation on the Portlands Upgrade. Can you please send me a copy of the Q&A promised during the meeting, or a link to where it is posted. Thanks

I accept the privacy policy: Checked

From: Station Manager @ Portlands <stationmgr.portlands@aturapower.com>

Sent: October 11, 2023 2:09 PM

To: [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

Thanks for your message, [REDACTED]

A summary of the meeting plus answers to commonly asked questions will be posted on the project webpage here: www.aturapower.com/portlandsupgrade

Thank you.

Regards,

Don Tiffney

Plant Manager | Portlands Energy Centre

Atura Power

[REDACTED]
470 Unwin Avenue, Toronto, ON, M4M 3B9

From: [REDACTED]

Sent: Tuesday, October 10, 2023 3:36 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Requesting Copy of Q&A from the Virtual Public Meeting, Oct 6, 2023

Hello:

Can you advise if the Q&A resulting from the Oct 5 public consultation meeting has been published and where it is available for review.

I attended the meeting on Oct 5 for the consultation on the Portlands Upgrade. We were advised that the Q&A would be published and made available. I am looking for a copy.

Thanks in advance

[REDACTED]

From: Station Manager @ Portlands <stationmgr.portlands@aturapower.com>

Sent: Thursday, October 12, 2023 6:21 PM

To: [REDACTED]

Cc: Darius Sokal [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about Portlands Energy Centre – Toronto

I would expect them to be posted in the next couple of weeks [REDACTED] Thanks for your interest.

Regards,

Don Tiffney

Plant Manager | Portlands Energy Centre

Atura Power

[REDACTED]
470 Unwin Avenue, Toronto, ON, M4M 3B9

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Wednesday, October 11, 2023 3:51 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name:

[REDACTED]

Last name:

[REDACTED]

Region/Topic:

PEC Upgrade

Email Address:

[REDACTED]

Enter Your Message Here: Just want to stay updated on the project.

I accept the privacy policy: Checked

From: Upgrade project for PEC

Sent: Tuesday, October 17, 2023 10:37 PM

To: [REDACTED] Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hi [REDACTED]

We will add your email address to the project email list and share updates with you.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]
Sent: Tuesday, October 10, 2023 8:21 PM
To: Upgrade project for PEC <portlandsupgrade@aturapower.com>
Subject: Information request

Further to the Public meeting on Oct 5, please send me any follow-up information and updates.

Thank you,
[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 2:38 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Information request

Hi [REDACTED]

We will add your email address to the project email list and share updates with you.

Thank you for your interest.

Best regards,

Darius Sokal (hear it)

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Friday, October 6, 2023 9:04 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Re: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

I was terribly disappointed and angry as I tuned in at 6:45pm and it was closing. This presentation was supposed to go from 6:30pm-7:30pm. What happened!!

[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 2:46 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hi [REDACTED]

Our public community meeting about the proposed PEC efficiency upgrades ended at approximately 7:45 p.m., 15 minutes beyond the assigned time.

The meeting presentation is available for your review on the project webpage here:

<https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]
Sent: Thursday, October 5, 2023 7:23 PM
To: Upgrade project for PEC <portlandsupgrade@aturapower.com>
Subject: Supportive Comment

I attended the public meeting tonight. The explanation of the upgrade was well done. It sounds like the improvement in efficiency will pay for itself and add needed reliable capacity. I suspect the cost of the upgrade will be substantially lower than adding an independent 50 MW generator elsewhere. Is that so?

Are you considering using green hydrogen to fuel existing turbines at some point in the future?

[REDACTED]

Sent from my iPad

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:13 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Supportive Comment

Hi [REDACTED]

Thank you for your comment.

Yes, the efficiency upgrades are a very cost-effective way to increase the output capacity at the station to help meet the province's growing energy needs as they will occur during a scheduled maintenance period.

Atura Power is indeed planning to blend green hydrogen into the fuel stream at our Halton Hills Generating Station. You can find more about our hydrogen plans from these links:

<https://aturapower.com/about-hydrogen/>

<https://aturapower.com/atura-overview/our-stations/niagara-hydrogen-centre/>

Best regards,

Darius Sokal (hear it)

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Wednesday, October 18, 2023 5:54 PM

To: Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: Re: Supportive Comment

Dear Darius,

This is good news! I was hoping that some serious attention was being paid to the potential for hydrogen to displace natural gas in fuelling the fleet. I think more publicity should be given to the hydrogen potential especially in light of the strong opposition to gas generation that I have been hearing at the municipal level recently. I am a retired engineer who has worked extensively on generation projects internationally. I maintain a strong interest in the field.

Sincerely

[REDACTED]

Sent from my iPad

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:54 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hi [REDACTED]

We will add your information to the project database and email you with updates.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Thursday, October 5, 2023 7:18 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: PEC distribution list

Hello.

Would you please add me to the Portlands Energy Centre information distribution list?

Thank you and best regards,

[REDACTED]

Project Lead, Environment & Climate Division

City of Toronto

C: [REDACTED]



From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:16 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: PEC distribution list

Hello [REDACTED]

Thanks for reaching out to us.

Yes, we will add your information to our list and email you project-related updates.

Kindest regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Thursday, October 5, 2023 7:05 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Question for tonight's public forum

Since the live questions have been handpicked and completely irrelevant, I'm hoping you'll address real questions on real issues that are pressing and upon us such as wild fires and floods and emissions. There's a climate crisis!!!

There are many, many Canadians who want natural energy to be the focus. We want to fund only natural energy alternatives.

Why does our publicly owned utility think more fossil gas burning is a good idea in the middle of a climate crisis?

Why is there no effort to go natural?

[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:19 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Question for tonight's public forum

Hello, [REDACTED]

Thank you for your questions.

Wind and solar generation are important resources and will continue to play an increasing role in supplying clean electricity. However, other resources are required to maintain system reliability. It is common to have a week or more of low wind or overcast conditions and for these periods of time, it is critical to have generation resources available that can operate on demand. Natural gas generation operates on demand regardless of weather conditions to ensure electricity system reliability and ensures that wind and solar generation can be reliably incorporated into the electricity system.

The IESO established the Resource Adequacy Framework in 2021 to provide a flexible and cost-effective approach for competitively securing the resources necessary to meet demand and ensure system reliability. These upgrades are part of the plan IESO put in place to meet Ontario's energy needs.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 7:53 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email

Address: [REDACTED]

Enter Your Message Here: Hi - we did not hear about this meeting until this evening & the meeting. Is over. We live near to the facility - is there an opportunity for us to comment & review the project documents?

Why was this not better publicized to residents in the area

I accept the privacy policy:

Checked

On Oct 17, 2023, at 11:02 PM, Upgrade project for PEC
<portlandsupgrade@aturapower.com> wrote:

Hello, [REDACTED]

The meeting notice was published in the Toronto Star and Toronto Sun on September 6th, and in the Beach Metro News on September 19th.

You can review the project documents and provide comments through the project webpage here: www.aturapower.com/portlandsupgrade.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Wednesday, October 18, 2023 3:21 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Cc: [REDACTED]

Subject: Re: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hi - not everyone impacted subscribes to these newspapers & the beaches news is not distributed in [REDACTED]

We have reviewed the project documents and the website you pointed us to - how can we submit comments to be included in the public consultation? What is the email to submit to and when do you need them by?

Thanks in advance,

Sent from my iPhone

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Monday, October 30, 2023 2:37 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Cc: [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello, [REDACTED]

You can submit your comments and questions to this email address, and they will form part of the project's engagement record. Our public and Indigenous consultation period is ongoing and will continue into 2024.

Thank you for your questions and interest in our proposed efficiency upgrades.

Darius Sokal ([hear it](#))

Sr. Communications Advisor | [Atura Power](#)

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 6:52 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name:

[REDACTED]

Last name:

[REDACTED]

Region/Topic:

PEC Upgrade

Email Address:

[REDACTED]

Enter Your Message
Here:

On a Per Mw basis what will be the emission increase (also absolute number) after the refit.

I accept the privacy
policy:

Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:29 AM

To: [REDACTED] Upgrade project for PEC

<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hi [REDACTED]

Thanks for your message.

GE Gas Power – Services, the manufacturer of the equipment being installed for the upgrades, provided a letter stating that the upgrades to the turbine generator ‘will maintain [air] emissions levels at or below site permit levels’.

Emissions concentrations are not expected to change following the upgrades.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 6:52 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email [REDACTED]

Address: [REDACTED]

Enter Your Message Here: I object to any further expansion of the Portlands Energy Centre. The city already had air quality issues that this plant and any upgrades will make worse, increasing the health risks of the people of Toronto, especially in the city's east end.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:30 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for your message. Please check the project webpage from time-to-time for updates:
<https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 6:49 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: By expanding Gas powered plants, Atura Power and the province of Ontario is shooting itself in the foot environmentally and financially. Fossil fuels are being phased out as we speak as there are healthier and cheaper alternatives for the taxpayer.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:32 AM

To: [REDACTED] Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal <Darius.Sokal@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for your message. Please feel free to check the project webpage from time-to-time for updates: <https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 6:41 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: Trying to connect through MSTeams and/or Web -nothing works.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:34 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hi [REDACTED]

I'm sorry that you were not able to participate in the meeting. Project documents, including the meeting presentation, are available on the project webpage here: <https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Thursday, October 5, 2023 5:09 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: My opposition

I am writing because I cannot attend the public meeting but I want it known that I am very opposed to the Portland's increase in capacity. This is the wrong direction to be going in. Any government money and/or private capital spent on this could be much better spent on off shore wind and solar - much cheaper and emissions-free.

Also Toronto has great plans in the Net-Zero Emissions by 2040 strategy that passed in council recently. We need industry that will help us get there. Expanding gas in our city will not do so. Our council doesn't want it and nor do a majority of Torontonians.

People are becoming increasingly aware of the climate crisis and the role of fossil fuels in having created the crisis. We will not sit by and let our present and future be hijacked by ill conceived notions of the need for anymore gas.

Thank you

[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:35 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: My opposition

Hello, [REDACTED]

Thank you for your message. Please feel free to check the project webpage from time-to-time for updates: <https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 4:31 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name:

[REDACTED]

Last name:

[REDACTED]

Region/Topic:

PEC Upgrade

Email Address:

[REDACTED]

Enter Your Message Here: I am strongly opposed to the expansion of the PEC fossil fuel plant.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:35 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for your message. Please feel free to check the project webpage from time-to-time for updates: <https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 12:59 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email
Address: [REDACTED]

Enter Your Message Here: I am not in favour of any expansion or increase of natural gas output. Improving efficiency so that an increase of 50MW can be facilitated is not about sustainability, carbon reduction or resiliency. It is simply continuing the use of fossil fuels.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:36 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for your message. Please feel free to check the project webpage from time-to-time for updates: <https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 11:37 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email [REDACTED]

Address: [REDACTED]

Enter Your Message Here: Even the major fossil fuel companies are recognizing the threat to life as we know it on planet earth that is climate change. According to the IPCC we only have until 2030 to roll back carbon emissions. We need to get off gas. Ramp up green energy!

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:36 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for your message. Please feel free to check the project webpage from time-to-time for updates: <https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Wednesday, October 4, 2023 3:46 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email [REDACTED]

Address:

Enter Your Message Here: Expanding your plant sends more carbon upward and NO pollution downwind to us. Why spend millions expanding a fossil fuel plant instead of spending that money on energy conservation programs to help residents and businesses save money & renewables?

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:40 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

We are not proposing an expansion of PEC, only efficiency upgrades of the existing turbines during a scheduled maintenance period.

Thank you for your question.

Darius Sokal ([hear it](#))

Sr. Communications Advisor | [Atura Power](#)

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 6:58 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email [REDACTED]

Address: [REDACTED]

Enter Your Message Here: I don't support expanding the burning of fossil fuels for power. While some fossil fuels may be needed while we transition to cleaner sources of energy and storage options, more should be done on that front instead of investing more in gas plants.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:43 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

We are not proposing an expansion of PEC, only efficiency upgrades to the existing turbines during a scheduled maintenance period.

Thank you for your message.

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 5:00 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: I support the proposed upgrading of the equipment at PEC that will increase its generating capacity.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:46 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hi [REDACTED]

Thank you for your message. You can get updates about the project by visiting
aturapower.com/portlandsupgrade.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 3:10 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

[Redacted]

Subject: Aturapower.com | Contact Form Submission from [Redacted] about PEC Upgrade

First name: [Redacted]

Last name: [Redacted]

Region/Topic: PEC Upgrade

Email [Redacted]

Address:

Enter Your Message Here: I am concerned about the continued investment in fossil fuel energy generation, the public health impacts and the urgent call by the IPCC to wind down fossil fuel burning. What plans does Atura have to expand wind, solar, geothermal and hydro?

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:48 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Wind and solar generation are important resources and will continue to play an increasing role in supplying clean electricity. However, other resources are required to maintain system reliability. It is common to have a week or more of low wind or overcast conditions and for these periods of time, it is critical to have generation resources available that can operate on demand. Natural gas generation operates on demand regardless of weather conditions to ensure electricity system reliability and ensures that wind and solar generation can be reliably incorporated into the electricity system.

The IESO established the Resource Adequacy Framework in 2021 to provide a flexible and cost-effective approach for competitively securing the resources necessary to meet demand and ensure system reliability. These upgrades are part of the plan IESO put in place to meet Ontario's energy needs.

Thank you for your question.

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 11:34 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email
Address: [REDACTED]

Enter Your
Message
Here: I live within a 2 km radius of the plant. Please provide a full detailing of all the emissions profile of the plant now and after the proposed expansion. Thank you.

I accept the
privacy
policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:53 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hi [REDACTED]

All PEC emissions reports are publicly available on the provincial and federal government websites.

No changes to environmental features are expected given that the upgrades will take place within the existing facility and the existing facility footprint will not change. GE Gas Power – Services, the manufacturer of the equipment being installed for the upgrades, has provided a letter stating that the upgrades to the turbine generator ‘will maintain [air] emissions levels at or below site permit levels’.

The facility will continue to operate in accordance with all environmental permitting requirements.

Thank you for your question.

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 11:08 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: Please place me on the list for access to the October 5 public consultation on the PEC Upgrade.

I accept the privacy policy: Checked

On Wednesday, October 4, 2023 at 09:07:42 a.m. EDT, Upgrade project for PEC
<portlandsupgrade@aturapower.com> wrote:

Hello [REDACTED]

Thank you for reaching out to us.

A link to the upcoming PEC Efficiency Upgrades public meeting will be available on our project website,
aturapower.com/portlandsupgrade, on Oct. 5th.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 3:22 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email Address: [REDACTED]

Enter Your Message Here: Thank you for the opportunity to learn more about the proposal.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Friday, October 27, 2023 1:39 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for your email and your interest in the Portlands Energy Centre Efficiency Upgrades project. Should you require any more information, please note that materials from the public meeting will be posted on the project webpage available at aturapower.com/portlandsupgrade.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 3:23 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name:

[REDACTED]

Last name:

[REDACTED]

Region/Topic:

PEC Upgrade

Email Address:

[REDACTED]

Enter Your Message Here: Can't attend but the response is:
'NO THANKS!'

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Friday, October 27, 2023 1:40 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

Thank you for your email. Materials from the public meeting will be posted on the project webpage available at aturapower.com/portlandsupgrade should you wish to review them at a time that is more convenient for you.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Tuesday, October 3, 2023 8:37 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email

Address: [REDACTED]

Enter Your Message Here: I will be attending the zoom meeting to better understand how routine maintenance can improve efficiencies to produce the additional 50MW and what increase in CO2 emissions (methane) and other pollutants are anticipated.

I accept the privacy policy:

Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Friday, October 27, 2023 1:45 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from Leslie about PEC Upgrade

Hello [REDACTED]

Thank you for your email and your interest in the Portlands Energy Centre Efficiency Upgrades project. We hope you received the information you were looking for during the public meeting. Should you require any more information, please note that materials from the public meeting will be posted on the project webpage available at aturapower.com/portlandsupgrade.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Wednesday, October 4, 2023 1:32 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name: [REDACTED]

Last name: [REDACTED]

Region/Topic: PEC Upgrade

Email [REDACTED]

Address: [REDACTED]

Enter Your Message Here: We should be working towards closing this project, or at least reducing its footprint. Switching anything from fossil fuel powered to electric is meaningless if in fact the electricity is generated using fossil fuels.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:45 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello, [REDACTED]

Thank you for your message. You can get updates about the project by visiting
aturapower.com/portlandsupgrade.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Atura Power <no-reply@sendgrid.opg.com>

Sent: Thursday, October 5, 2023 10:42 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal
[REDACTED]

Subject: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

First name:

[REDACTED]

Last name:

[REDACTED]

Region/Topic:

PEC Upgrade

Email Address:

[REDACTED]

Enter Your Message Here: I'd like to attend the 6:30 pm meeting Oct. 5, if it's possible

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Friday, October 27, 2023 1:55 AM

To: [REDACTED] Upgrade project for PEC

<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Aturapower.com | Contact Form Submission from [REDACTED] about PEC Upgrade

Hello [REDACTED]

We hope you were able to join the public meeting on Oct. 5th

If you were unable to attend, please note that materials from the meeting will be posted on the project webpage available at aturapower.com/portlandsupgrade. Alternatively, please feel free to reach out if you have any questions.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Thursday, October 5, 2023 10:58 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Q & A in virtual meeting

Please restate the location of the Q & A. I'm not seeing this on my screen.

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Friday, October 27, 2023 2:00 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Q & A in virtual meeting

Hello [REDACTED]

Thank you for your email regarding the Portlands Energy Centre Efficiency Upgrades project. We hope you were able to locate the Q & A function during the public meeting on Oct. 5th.

If not, please note that materials from the meeting will be posted on the project webpage available at aturapower.com/portlandsupgrade should you like to review them. Alternatively, please feel free to reach out using this project email address if you have any questions.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

> -----Original Message-----

> From: [REDACTED]

> Sent: Thursday, October 5, 2023 6:53 PM

> To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

> Subject: Portlands

> I've lived in [REDACTED] since 1997. We were promised limited use of the plant as backup power only - now it is operating 21 hours daily! And how can we be sure It won't expand? It's not ratio of emissions, it's total emissions that matter. Will I have to choose between my home and being able to breathe?

> Anon

> Sent from my iPhone

> On Oct 17, 2023, at 11:25 PM, Upgrade project for
PEC <portlandsupgrade@aturapower.com> wrote:

>

> Hi [REDACTED]

> Thank you for your message.

>

> PEC operations are dictated by the IESO based on the supply and demand balance, which
fluctuates season by season and year to year. Historically, the plant has run as few as 1750 hours per
year to as much as 4500 per year, always at the instruction of the IESO.

>

> And these are the only current upgrade plans for PEC, as this is the latest technology available.
Atura Power always strives to be on the leading edge of technology and will be open to future
advancements that make the engines more fuel efficient.

>

> Best regards,

> Darius Sokal (hear it)

> Sr. Communications Advisor | Atura Power

> 1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

> E: [REDACTED]

> M: [REDACTED]

>

From: [REDACTED]

Sent: Wednesday, October 18, 2023 4:53 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Re: Portlands

I moved into [REDACTED] 25 years ago. In recent years I've had trouble breathing and have been diagnosed with asthma. I am otherwise a healthy, physically active non-smoking 68 year old. All I can think of that has changed is the Portland plant operating "at the instruction of the IESO". I guess the problem isn't of your making, but is the fault of an irresponsible government that continues to think increasing the burning of fossil fuels - even in the heart of our major cities - is the future, not the past.

From: [REDACTED]

Subject: Portlands water use

Date: October 10, 2023 at 9:20:39 AM EDT

To: portlandsupgrade@aturapower.com

Atura Power;

I have a question concerning the Portlands electricity generation plant.

When the former Ontario Hydro established the Lennox Generating Station in Bath, they also had plans to mitigate the effects of warm water being discharged from the plant, which was then designed to burn oil -and has since been converted to natural gas. It was projected that the warmer water discharged into the North Channel would make the ice unsafe. To compensate for this, a bubble system was installed to enable the Amherst Island Ferry to operate year-round.

Does the Portland's electricity generation plant use water from Lake Ontario for cooling purposes?

Is so, how much water is used daily, and what is the projected effect on Lake Ontario from the Portlands plant? What is the temperature of the water as it is taken from Lake Ontario, and what is the temperature of the water being discharged into Lake Ontario?

I look forward to receiving your response.

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: Monday, October 16, 2023 11:55 AM
To: Upgrade project for PEC <portlandsupgrade@aturapower.com>
Cc: [REDACTED]
Subject: Fwd: Portlands water use

Atura Power;

I am forwarding the letter that I sent to your office last week as it has not been acknowledged, nor have I received an answer to my questions.

I am looking forward to receiving your response.

[REDACTED]

On Oct 18, 2023, at 7:05 AM, Upgrade project for PEC <portlandsupgrade@aturapower.com> wrote:

Hello, [REDACTED]

Thank you for your questions.

Yes, PEC uses water from Lake Ontario to cool and condense the steam exiting from the steam turbine which allows us to reuse that condensate in the steam generation process, thereby raising the station's efficiency.

Approximately 300 m3 of water passes through the station per day on average when the facility is operating. The average increase in water temperature from intake to discharge is in the range of 5 to 8°C. PEC also provides a service in the summer months where it sterilizes the water of E-coli bacteria through a chlorination/dichlorination process, thereby improving the quality of the water to nearby beaches.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Wednesday, October 18, 2023 11:48 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Re: Portlands water use

Hi Darius;

Thank you very much for the responses to my questions about water use at the Portlands Energy Centre. I appreciate your assistance in understanding another aspect of this electricity generating project.

I do need some help though.

Is 300 m³ translated into my simple English 300 cubic metres of water that is used as a coolant daily?

May your day go well;

[REDACTED]

On Oct 26, 2023, at 10:27 PM, Upgrade project for PEC
<portlandsupgrade@aturapower.com> wrote:

Hi [REDACTED]

Yes, 300 m³ is 300 cubic meters of water is used daily to cool and condense the steam exiting from the steam turbine.

A very good day – eve, in this case – to you as well!

From: [REDACTED]

Sent: Friday, October 27, 2023 7:49 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Re: Portlands water use

Thanks again Darius.

I'm surprised by how little water is used, and re-used, for cooling purposes.

This has implications for reducing the environmental impact.

May your day go well, and thanks again for taking time to respond.

[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Friday, October 27, 2023 1:41 PM

To: Allan Baker [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Portlands water use

Thank you, [REDACTED]

It's a pleasure speaking with you.

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Tuesday, October 3, 2023 5:26 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Public meeting Oct 5

To whom it may concern,

I understand OPG has an important role to fulfill in keeping energy production at the level needed by consumption. This is certainly challenging in this era of climate chaos and push back from the fossil fuel industry. However, I feel OPG could be taking a better leadership position in the energy transition than it is currently doing.

I am unable to attend the planned public meeting on October 5th 6:30-7:30 pm but I would like to be on the mailing list about this project.

Additionally, here are some initial questions for response that I have about this project:

1. Why is OPG not respecting the wishes of Toronto City Council who voted against this expansion on May 10th and whereby the Ontario Minister of Energy previously indicated the wishes of municipalities would be respected?
2. With the increases in GHG emissions expected to increase by 700% by 2041 if the current policies and plans are maintained, why does our publicly owned utility think more fossil gas burning is a good idea in the middle of a climate crisis?
3. RBC, environmental organizations and even IESO have provided other options to address future energy demands. Enbridge is already making money out of federally supported consumer energy efficiency programs. Why are these other options not being considered by OPG as a more immediate option while transition from fossil fuels takes place or until SMRs are in a position to be regulated?
4. A 'fair and just transition' applies to the clean energy sector as well. What plans does OPG have to invest in wind and solar energy as well as energy storage solutions instead of fossil fuels?
5. Does the company plan to continue burning fossil fuels after 2035 and how does a proposed 10% increase in production translate to a reported operation of over 21 hours a day that was happening over the summer?
6. OPG is asking Ontario's Ministry of the Environment to exempt its proposal to increase Portland's gas-fired generating capacity by 50 MW from the Environmental Assessment Act. Why? How will OPG know what mitigations to put in place for wildlife, biodiversity, water and air quality if it doesn't do a full Environmental assessment?
7. What will OPG be doing to capture, contain and reduce methane emissions from its existing plants and to ensure it is carbon neutral by 2035?

Thank you in advance for your time and efforts to address these questions of concern.

Sincerely,

[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Monday, October 30, 2023 1:39 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Public meeting Oct 5

Hello, [REDACTED]

Thank you for your email and interest in the proposed efficiency upgrades at our Portlands Energy Centre (PEC).

I'm sorry that you were not able to participate in the public meeting. However, we will add you to our email list and note that project details and updates are also available on the project webpage at www.aturapower.com/portlandsupgrade.

Atura Power is an OPG subsidiary, but we do not and cannot speak on OPG's behalf. I suggest you direct your questions numbered 1, 2, 3, 4, 6 and 7 to OPG via the methods outlined on their website here: <https://www.opg.com/contact-us/>.

Regarding the future of the company after 2035, PEC is expected to operate until the contract term end date which is in April 2034. PEC operations are dictated by the Independent Electricity System Operator (IESO) based on the supply and demand balance. The frequency at which the plant operates will not change going forward and the plant will continue to operate as directed by the IESO.

Finally, Atura Power is not pursuing an exemption from the Ontario *Environmental Assessment Act* for the PEC Efficiency Upgrades project.

Thank you once again,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]
Sent: Tuesday, October 3, 2023 6:03 PM
To: Upgrade project for PEC <portlandsupgrade@aturapower.com>
Subject: Portlands Energy Centre Upgrades - Questions

Hello,

I would like to know how this 'upgrade' is being paid for and what cost valuation you used for the greenhouse gas (carbon/methane) pollution this 'upgrade' will result in for your environmental evaluation of this project?

Is this valuation in line with the U.S. directive?

The President's Day One Executive Order on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis re-established an Interagency Working Group (IWG) and tasked it with identifying areas of budgeting, purchasing, and other key decisions where agencies should consider the Social Cost of Greenhouse Gases (SC-GHG) — a well-established metric for the known damages that greenhouse gas emissions cause across society.

<https://www.whitehouse.gov/briefing-room/statements-releases/2023/09/21/fact-sheet-biden-harris-administration-announces-new-actions-to-reduce-greenhouse-gas-emissions-and-combat-the-climate-crisis/>

Are these hidden costs included?

THE HIDDEN COST OF NATURAL GAS

Accounting for the price of carbon in fossil-fuel-based energy generation is key to ensuring that natural gas facilities aren't being unfairly favoured. Every tonne of carbon dioxide emitted from a natural gas plant has a cost to society in Canada and elsewhere. A recent report from the U.S.'s Environmental Protection Agency estimates that a tonne of carbon emitted in 2020 costs the economy between C\$160 and C\$450. The Canadian government has referenced a range of between \$135 and \$440 a tonne.

-from Clean Energy Canada: A Renewables Powerhouse - February 2023

https://cleanenergycanada.org/wp-content/uploads/2023/01/RenewableCost_Report_CleaEnergyCanada_Feb2023.pdf

"Upgrading the equipment at PEC will increase its generating capacity by 50 MW to an output of 600 MW."

Considering that the 'upgrade' will greatly increase generating capacity and consequently the amount of greenhouse gas emissions, how can you justify a request for exemption to the *Ontario Environmental Assessment Act*?

Regards,

[REDACTED]
Scarborough ON

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Monday, October 30, 2023 1:45 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Portlands Energy Centre Upgrades - Questions

Hello [REDACTED]

Thank you for your email and your interest in the Portlands Energy Centre (PEC) Efficiency Upgrades project.

Atura Power is not pursuing an exemption from the Ontario *Environmental Assessment Act* for the PEC Efficiency Upgrades project. We would also like to note that after the upgrades, the plant's thermal efficiency will increase due to a reduced heat rate (BTU/kWh) which means that the same amount of fuel used can produce more power after the upgrade.

The upgrades to the turbine generator 'will maintain [air] emissions levels at or below site permit levels', as stated by the manufacturer of the equipment being installed for the upgrades, GE Gas Power – Services. The facility will continue to operate in accordance with all environmental permitting requirements.

Should you require any more information, materials from the public meeting and updates are available on the project webpage at aturapower.com/portlandsupgrade.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Thursday, October 5, 2023 10:42 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Questions for Portlands Energy Centre - Efficiency Upgrades Public Meeting

Questions:

With the excess power available from Quebec Hydro why is this natural, renewable, and very cheap hydro not the first and only option?

1. [On May 10th Toronto City Council passed a resolution opposing the expansion of the Portlands gas plant.](#) Why is OPG **not** respecting the wishes of Toronto City Council?
2. Why does our publicly owned utility think more fossil gas burning is a good idea in the middle of a climate crisis?
3. Why spend millions expanding a fossil fuel plant instead of spending that money on [energy conservation programs](#) that can help residents and businesses save money?
4. What plans does OPG have to invest in [wind](#) and solar energy instead of fossil fuels?
5. Does the company plan to continue burning fossil fuels after 2035?
6. Why is OPG asking Ontario's Ministry of the Environment to exempt its proposal to increase Portland's gas-fired generating capacity by 50 MW from the *Environmental Assessment Act*?

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Monday, October 30, 2023 2:09 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Questions for Portlands Energy Centre - Efficiency Upgrades Public Meeting

Hello, [REDACTED]

Thank you for your email and interest in our proposed project.

The governments of Ontario and Quebec have an electricity trade agreement where the IESO can call on 500 MW of capacity from Quebec up until 2030. Under the current Ontario-Quebec electricity trade agreement, the IESO can call on 500 MW of capacity from Quebec up until 2030. Ontario will maintain this option under the new agreement. The governments are also supporting a new 600 megawatt (MW) trade agreement between Ontario's [Independent Electricity System Operator \(IESO\)](#) and Hydro-Québec that will optimize the use of existing electricity generation capacity in both provinces.

Ontario will maintain the original option for 500 MW under the new agreement. Ontario has one of the cleanest electricity grids in the world, receiving most of its clean electricity supply from nuclear, hydroelectric, and renewable generation.

While Atura Power is a subsidiary of OPG, we cannot answer questions on their behalf.

After years of strong energy supply, Ontario is entering a period of growing electricity system demand (a predicted energy supply gap) and actions are needed to ensure the continued reliability of the electricity grid. To close this gap and meet the projected demand, the Independent Electricity System Operator (IESO) is moving forward with a procurement process to meet near, medium, and long-term energy needs while maintaining the province's focus on cost-effective reliability. The upgrades to PEC are part of Atura Power's efforts to address this supply gap.

The upgrades to PEC also play a role in Ontario's ability to rely on renewable energy sources. Wind and solar generation are important resources and will continue to play an increasing role in supplying clean electricity, however other resources are required to maintain system reliability. It is common to have a week or more of low wind or overcast conditions and for these periods of time, it is critical to have generation resources available that can operate on demand. Natural gas generation operates on demand regardless of weather conditions to ensure electricity system reliability and ensures that wind and solar generation can be reliably incorporated into the electricity system.

PEC is expected to operate until the contract term end date which is in April 2034. Finally, Atura Power is not pursuing an exemption from the Ontario *Environmental Assessment Act* for the PEC Efficiency Upgrades project.

Thank you again for your question.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: [REDACTED]

Sent: Wednesday, November 1, 2023 10:15 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Re: Questions for Portlands Energy Centre - Efficiency Upgrades Public Meeting

Gas fired and nuclear power plants are not clean energy. And the dangers of operating them are unwarranted. Overcoat, under performing. Very expensive and very dangerous. Wind, solar and get the rest of required kw from Quebec Hydro at a fraction of the cost. And safe and renewable. People have caught on to this greenwashing. Watching that grade 6 presentation was embarrassing. And the scripted questions? How stupid do you think the audience was? More pressure coming your way. You'd think you'd like your life, your families and future generations to live well. But you only think of your salary and that will not protect you from the climate disaster as it spirals

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Thursday, November 2, 2023 12:35 PM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Questions for Portlands Energy Centre - Efficiency Upgrades Public Meeting

Thank you for your email, [REDACTED]

Your comments are noted and part of the project record.

Please continue visiting aturapower.com/portlandsupgrade for project updates and additional information.

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

On Sat, Oct 7, 2023 at 2:13 PM [REDACTED] wrote:

> Hello,

>

> Thank you for answering some of our questions about the expansion on
> October 5th. Because of time restrictions there were several that were
> unable to be answered in that time - thank you for providing this
> email for us to continue getting information. I have a couple more
> questions below:

>

> How much does the upgrade to PEC cost?
> - What upgrades will be needed to convert Atura's plants to hydrogen,
> and how much are these upgrades expected to cost?
> - If Atura's plants are upgraded to hydrogen, would they use hydrogen
> created from fossil fuels if there wasn't enough hydrogen created from
> carbon-neutral sources?

>

> Thank you for your time. >

>

Sincerely,

>

[REDACTED]

From: [REDACTED]

Sent: Thursday, October 12, 2023 11:42 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Re: Portlands Upgrade

Hello,

Thank you again for answering questions last week. Just following up on these ones that I didn't get a chance to ask.

Best,

[REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Friday, October 27, 2023 2:17 AM

To: [REDACTED] Upgrade project for PEC

<portlandsupgrade@aturapower.com>; Darius Sokal [REDACTED]

Subject: RE: Portlands Upgrade

Hello [REDACTED]

Thank you for your email and your interest in the Portlands Energy Centre Efficiency Upgrades project.

We are currently not publicizing the cost to make the efficiency upgrades at PEC.

We will begin blending green hydrogen into the fuel stream at our Halton Hills Generating Station starting in late 2024/early 2025. The hydrogen will be produced by electrolysis at our hydroelectric-powered Niagara Hydrogen Centre. Blending technology required includes piping, blending skids and gas metering. You can find out more about our work to develop Ontario's hydrogen economy and related projects here: <https://aturapower.com/about-hydrogen/>.

Best regards,

Darius Sokal (hear it)

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Friday, October 27, 2023 2:19 AM

To: [REDACTED] Upgrade project for PEC
<portlandsupgrade@aturapower.com>

Subject: RE: Portlands Upgrade

Hi again, [REDACTED]

I just sent you a response to your original email.

I apologize for the delay.

Regards,

Darius Sokal (hear it)

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: [REDACTED]

M: [REDACTED]

Appendix B4: Correspondence Records with Municipal Staff and Elected Officials

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, September 6, 2023 9:05 AM

To: mayor_chow@toronto.ca

Subject: Portlands Energy Centre Efficiency Upgrades

Good morning, Mayor Chow.

My name is Darius Sokal, the communications and municipal relations advisor for Atura Power.

I'm reaching out to let you know that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre (PEC), located on the site of the former Richard L. Hearn Generating Station on Villiers Island. The planned work will be limited to replacing parts of the existing natural gas fired combustion turbines with more efficient parts. All upgrades will take place within the existing facility and **there will be no changes or expansion beyond the existing PEC footprint**. The attached letter and Notice of Commencement provide more details about the proposed activities, engagement opportunities, and how to learn more.

I'd also appreciate an opportunity to meet with you and your staff to further discuss the project and explain how Atura Power and PEC help meet the City of Toronto's growing energy needs.

Thank you for your time, and please let me know if you have any questions, and if you'd like to meet at a date and time that fit your schedule.

Sincerely,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Mayor Chow <Mayor_Chow@toronto.ca>
Sent: Wednesday, September 6, 2023 11:05 AM
To: Upgrade project for PEC <portlandsupgrade@aturapower.com>
Subject: Automatic reply: Portlands Energy Centre Efficiency Upgrades

Please note this is an automatic response.

Thank you for contacting the Office of Mayor Olivia Chow!

Your email is important to us and we want you to know that your message has been received. The Mayor's office receives a high volume of correspondence, but the Mayor's Staff reads and reviews every incoming email. We do our best to respond to all constituents and direct your inquiry as appropriate.

That means some concerns or questions will need to be forwarded to the appropriate City of Toronto official and/or your local Councillor who may be best suited to assist you. We thank you in advance for your understanding.

- * If you require immediate help from the City of Toronto regarding services such as waste collection, snow clearing, road safety, or other municipal services, please call 311.
- * If you are emailing to invite the Mayor to an event please be sure to include key details, and someone from our office will reach out to respond to your request.
- * If you are requesting a Proclamation, Congratulatory Scroll, or Letter of Greeting, please follow this link to make your request: www.toronto.ca/city-government/awards-tributes

Thank you again for taking the time to write.

Office of Mayor Olivia Chow

City Hall, 2nd Floor
100 Queen St. W.
Toronto, ON M5H 2N2

Our office is committed to accountability and transparency. If you are requesting a meeting with the Mayor or a member of the Mayor's staff on behalf of a for-profit group or enterprise or a group that represents for-profit enterprises, you need to confirm that you are in compliance with the Lobbyists' Code of Conduct. Please contact the Office of the Lobbyist Registrar by phone at 416-338-5858 or by email at lobbyistregistrar@toronto.ca

From: Darius Sokal

Sent: Tuesday, September 19, 2023 3:36 PM

To: mayor_chow@toronto.ca

Subject: Portlands Energy Centre Efficiency Upgrades

Good afternoon, Mayor Chow.

I'm following up on my sincere offer to meet with you to discuss the efficiency upgrades that Atura Power is proposing to make at our Portlands Energy Centre. We'd like an opportunity to review the project with you and answer any questions that you may have.

Please note that I called and left a similar message with your office voicemail minutes ago.

Thank you once again, and I hope to hear from you soon.

Kindest regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Mayor Chow <Mayor_Chow@toronto.ca>
Sent: Tuesday, September 19, 2023 3:36 PM
To: Darius Sokal <Darius.Sokal@aturapower.com>
Subject: Automatic reply: Portlands Energy Centre Efficiency Upgrades

Please note this is an automatic response.

Thank you for contacting the Office of Mayor Olivia Chow!

Your email is important to us and we want you to know that your message has been received. The Mayor's office receives a high volume of correspondence, but the Mayor's Staff reads and reviews every incoming email. We do our best to respond to all constituents and direct your inquiry as appropriate.

That means some concerns or questions will need to be forwarded to the appropriate City of Toronto official and/or your local Councillor who may be best suited to assist you. We thank you in advance for your understanding.

- * If you are emailing to invite Mayor Chow to an event, please use this form: https://www.mayoroliviachow.ca/invite_the_mayor
- * If you require immediate help from the City of Toronto regarding services such as waste collection, snow clearing, road safety, or other municipal services, please call 311.
- * If you are requesting a Proclamation, Congratulatory Scroll, or Letter of Greeting, please follow this link to make your request: www.toronto.ca/city-government/awards-tributes

Thank you again for taking the time to write.

Office of Mayor Olivia Chow

City Hall, 2nd Floor
100 Queen St. W.
Toronto, ON M5H 2N2

Our office is committed to accountability and transparency. If you are requesting a meeting with the Mayor or a member of the Mayor's staff on behalf of a for-profit group or enterprise or a group that represents for-profit enterprises, you need to confirm that you are in compliance with the Lobbyists' Code of Conduct. Please contact the Office of the Lobbyist Registrar by phone at 416-338-5858 or by email at lobbyistregistrar@toronto.ca

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>
Sent: Wednesday, September 6, 2023 9:10 AM
To: councillor_fletcher@toronto.ca
Subject: Portlands Energy Centre Efficiency Upgrades

Good morning, Councillor Fletcher.

This is Darius Sokal again, the communications and municipal relations advisor for Atura Power.

I'm reaching out to let you know that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre (PEC), located on the site of the former Richard L. Hearn Generating Station on Villiers Island. The planned work will be limited to replacing parts of the existing natural gas fired combustion turbines with more efficient parts. All upgrades will take place within the existing facility and **there will be no changes or expansion beyond the existing PEC footprint**. The attached letter and Notice of Commencement provide more details about the proposed activities, engagement opportunities, and how to learn more.

I'd also appreciate an opportunity to meet with you and your staff to further discuss the project and explain how Atura Power and PEC help meet the City of Toronto's growing energy needs.

Thank you for your time, and please let me know if you have any questions, and if you'd like to meet at a date and time that fit your schedule.

Sincerely,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Darius Sokal

Sent: Tuesday, September 19, 2023 3:30 PM

To: councillor_fletcher@toronto.ca

Subject: Portlands Energy Centre Efficiency Upgrades

Good afternoon, Councilor Fletcher.

I'm following up on my sincere offer to meet with you to discuss the efficiency upgrades that Atura Power is proposing to make at our Portlands Energy Centre. We'd like an opportunity to review the project with you and answer any questions that you may have.

Please note that I called and spoke with a representative from your office, and she suggested that I follow up with you by email.

Thank you once again, and I hope to hear from you soon.

Kindest regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, September 6, 2023 12:53 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: Portlands Energy Centre Efficiency Upgrades

Good afternoon.

This email and attached PDF are to inform you that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre, located on the site of the former Richard L. Hearn Generating Station in Toronto, Ont. Please see the attached letter and Notice of Commencement for more details about the proposed activities, engagement opportunities, and how to learn more.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Dabrusin, Julie - M.P. <Julie.Dabrusin@parl.gc.ca>

Sent: Wednesday, September 6, 2023 12:53 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Automatic reply: Portlands Energy Centre Efficiency Upgrades

Thank you for writing to me. Due to high volume, there may be a delay in my response. I appreciate your patience.

If you have emailed in your casework request, you will have a response within 48 hours. If it is an emergency, we will get back to you sooner. To better assist you, please avoid sending duplicate requests through different channels.

Federal resources and programs

My office can help Toronto—Danforth constituents with federal government resources and programs. You can find out [who your MP is with your postal code](#). Below you'll find a guide on how your email will be prioritized:

- If your query is related to immigration CPP, EI, tax issues, etc., consent forms will need to be filled out before your file can be activated. Please find our [consent form here](#) and send your signed document to julie.dabrusin.c1@parl.gc.ca. You can scan documents using either [iPhone](#) or [Android](#). Please let me know if this is not an option that is available to you.
- Queries regarding government programs, policies and operations take time to research, contact appropriate departments, and collate information for the response. If you have provided your full contact details with your query, a response will be forthcoming.

Auto-Generated Advocacy emails

If your email is an auto-generated advocacy email it may not receive a response at this time. We receive a high volume of correspondence hence our response time for email has increased. Automated, cc'd, and forwarded emails are a lower priority at this time.

Unfortunately, I do not have the staff capacity to personally answer every auto-generated email.

I may have addressed your issue already in one of my Facebook Live videos. Please visit [here](#) for my conversations with community members and experts in their fields. Click [here](#) for all of my videos including my Ask Me Anythings. My future Facebook Live sessions will be announced in my email newsletter and on social media.

If you have not signed up for email updates, please click on “Get Updates” at <https://juliedabrusin.libparl.ca/>

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, September 6, 2023 12:53 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: Portlands Energy Centre Efficiency Upgrades

Good afternoon.

This email and attached PDF are to inform you that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre, located on the site of the former Richard L. Hearn Generating Station in Toronto, Ont. Please see the attached letter and Notice of Commencement for more details about the proposed activities, engagement opportunities, and how to learn more.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Kaufman, Rob <KaufmanR@ndp.on.ca>

Sent: Tuesday, September 12, 2023 4:26 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: FW: Portlands Energy Centre Efficiency Upgrades

Darius, Peter Tabuns, MPP Toronto-Danforth looks forward to attending the meeting on the 5th.
All the best.

Robin Kaufman
Assistant to MPP Peter Tabuns
Toronto-Danforth
923 Danforth Ave.
416-461-0223

[Join Peter's e-bulletin list](#)

From: Darius Sokal

Sent: Wednesday, September 13, 2023 7:06 AM

To: 'Kaufman, Rob' <KaufmanR@ndp.on.ca>

Subject: RE: Portlands Energy Centre Efficiency Upgrades

Good morning, Robin.

Thank you for the message, and we look forward to Mr. Tabuns joining us next month.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Atura Power

Sent: Thursday, September 28, 2023 6:14 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Aturapower.com | Contact Form Submission from Peter about PEC Upgrade

You don't often get email from no-reply@sendgrid.opg.com. [Learn why this is important](#)

First name: Peter

Last name: Tabuns

Region/Topic: PEC Upgrade

Email Address: tabunsp@ndp.on.ca

Enter Your Message Here: please keep me up to date.

I accept the privacy policy: Checked

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Monday, October 2, 2023 9:44 AM

To: tabunsp@ndp.on.ca

Cc: Upgrade project for PEC <portlandsupgrade@aturapower.com>; Darius Sokal <Darius.Sokal@aturapower.com>

Subject: RE: Aturapower.com | Contact Form Submission from Peter about PEC Upgrade

Good morning, Mr. Tabuns.

We will most certainly keep you up to date.

Please attend our upcoming live virtual public meeting on Oct. 5th, from 6:30 to 7:30 p.m., to learn more about the PEC efficiency upgrades and provide your project-related feedback and questions.

A link to the meeting will be available on the project webpage here: <https://aturapower.com/atura-overview/our-stations/portlands-energy-centre-upgrade/>

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

Appendix B5: Correspondence Records with Agencies

Appendix B5a: List of Agency Contacts

Portlands Energy Centre Efficiency Upgrades: Agency Contact List

Category	Subcategory	Organization	Contact Name & Title	Email	Phone Number	Address	Delivery Date of Notice of Commencement	Contact Method
MECP Contacts								
Agency	Provincial	Ministry of Environment, Conservation and Parks	Michael Di Cosmo, Coordinator, Strategic Policy	michael.dicosmo@ontario.ca	437-770-7960	-	06-Sept-23	Email
Agency	Provincial	Ministry of Environment, Conservation and Parks	General Contact	ClassEAnotices@ontario.ca	-	-	06-Sept-23	Email
Agency	Provincial	Ministry of Environment, Conservation and Parks	Naz Kiriliak	Nazariy.Kiriliak@ontario.ca	-	-	06-Sept-23	Email
Agency	Provincial	Ministry of Environment, Conservation and Parks – Central Region	General contact	eanotification.cregion@ontario.ca	-	-	06-Sept-23	Email
Elected Officials								
Elected Official	Federal	Member of Parliament for Toronto-Danforth	Julie Dabrusin	julie.dabrusin@parl.gc.ca	416-405-8914	Main office - Toronto 1028 Queen Street East Toronto, Ontario M4M 1K4	06-Sept-23	Email
Elected Official	Provincial	Member of Provincial Parliament for Toronto-Danforth	Peter Tabuns	tabunsp-qp@ndp.on.ca	416-325-3250	Room 465, 111 Wellesley St W, Toronto, ON M7A 1A5	06-Sept-23	Email
Elected Official	Regional	York Region	Wayne Emmerson, York Region Chairman and CEO	wayne.emmerson@york.ca ; regional.chair@york.ca	1-877-464-9675 ext. 71100	Attn: Wayne Emmerson, 17250 Yonge Street Newmarket, ON L3Y 6Z1	06-Sept-23	Email
Elected Official	Municipal	City of Toronto	Olivia Chow, Mayor	mayor_chow@toronto.ca	416-397-CITY (2489)	Office of the Mayor City Hall, 2 nd Floor 100 Queen St W,	06-Sept-23	Email

Category	Subcategory	Organization	Contact Name & Title	Email	Phone Number	Address	Delivery Date of Notice of Commencement	Contact Method
						Toronto, ON M5H 2N2		
Elected Official	Municipal	City of Toronto	Asuma Malik, Deputy Mayor (South)	Councillor_Malik@toronto.ca	416-397-CITY (2489)	Office of the Mayor City Hall, 2 nd Floor 100 Queen St W, Toronto, ON M5H 2N2	06-Sept-23	Email
Elected Official	Municipal	City of Toronto	Paula Fletcher, Toronto-Danforth Ward	councillor_fletcher@toronto.ca	416-392-4060	Toronto City Hall 100 Queen Street West, Suite C45, Toronto, ON M5H 2N2	06-Sept-23	Email
Agencies								
Agency	Provincial	Conseil scolaire Viamonde (Association des conseils scolaires des écoles publiques de l'Ontario)	Michel Laverdière, Director of Education	laverdierem@csviamonde.ca	416-614-0844	116 Cornelius Parkway, Toronto, ON M6L 2K5	06-Sept-23	Email
Agency	Provincial	Independent Electricity System Operator (IESO)	General Contact	contract.management@ieso.ca	905-403-6900	1600-120 Adelaide Street W, Toronto, ON M5H 1T1	06-Sept-23	Email
Agency	Provincial	Ministry of Citizenship and Multiculturalism – Heritage, Tourism and Culture Division	Karla Barboza, Team Lead(A), Heritage	karla.barboza@ontario.ca	416-660-1027	Heritage Planning Unit, Heritage Branch, Ministry of Citizenship and Multiculturalism, 400 University Ave, 5th Floor, Toronto, ON M7A 2R9	06-Sept-23	Email
Agency	Provincial	Ministry of Citizenship and Multiculturalism – Heritage, Tourism and Culture Division	Dan Minkin, Heritage Planner	dan.minkin@ontario.ca	416-786-7553	Heritage Planning Unit, Heritage Branch, Ministry of Citizenship and Multiculturalism, 400 University Ave, 5th Floor, Toronto, ON M7A 2R9	06-Sept-23	Email
Agency	Provincial	Ministry of Energy	Joerg Wittenbrinck, Manager(A)	joerg.wittenbrinck@ontario.ca	289-980-8124	Strategic Network and Agency Policy Division, Ministry of Energy, 77 Grenville St, 6th Floor, Toronto, ON M7A 1B3	06-Sept-23	Email

Category	Subcategory	Organization	Contact Name & Title	Email	Phone Number	Address	Delivery Date of Notice of Commencement	Contact Method
Agency	Provincial	Ministry of Infrastructure – Infrastructure Ontario	Katherine Hotrum, Director Environmental Projects	katherine.hotrum@infrastructureontario.ca	647-264-4573	1 Dundas St W, 20th Floor, Toronto, ON M5G 1Z3	06-Sept-23	Email
Agency	Provincial	Ministry of Infrastructure – Infrastructure Ontario	David Macey, Vice President: Portfolio Planning and Development	david.macey@infrastructureontario.ca cc: noticereview@infrastructureontario.ca	647-264-3861	1 Dundas St W, 20th Floor, Toronto, ON M5G 1Z3	06-Sept-23	Email
Agency	Provincial	Ministry of Infrastructure – Infrastructure Ontario	Joanna Craig, Planner	noticereview@infrastructureontario.ca	647-965-6703	1 Dundas St W, 20th Floor, Toronto, ON M5G 1Z3	06-Sept-23	Email
Agency	Provincial	Ministry of Mines	Tracey Burton, Manager (A) – Strategic Support Unit	tracey.burton@ontario.ca	705-918-1609	Mines and Minerals Division, Ministry of Mines Willet Green Miller Centre, 2nd Floor, 933 Ramsey Lake Rd, Sudbury, ON P3E 6B5	06-Sept-23	Email
Agency	Provincial	Ministry of Mines	Melanie Johnson, Senior Strategic Initiatives Lead	melanie.johnson@ontario.ca	705-698-5041	Mines and Minerals Division, Ministry of Mines Willet Green Miller Centre, 2nd Floor, 933 Ramsey Lake Rd, Sudbury, ON P3E 6B5	06-Sept-23	Email
Agency	Provincial	Ministry of Natural Resources and Forestry	Keith Johnston, Environmental Planning Team Lead (A)	keith.johnston@ontario.ca	-	Whitney Block Room 5520, 99 Wellesley St W, Toronto, ON M7A 1W3	06-Sept-23	Email
Agency	Provincial	Ministry of Natural Resources and Forestry (Southern Region)	Amanda McCloskey, Land Use Planning Supervisor & Gillian Hartman, Regional Planning Coordinator	SR.Planning@ontario.ca	Amanda: 705-313-0507 Gillian: 705-313-0507	300 Water Street, Box 7000, 4th Floor, South Tower, Peterborough, ON K9J 8M5 Attn: Amanda McCloskey, Land Use Planning Supervisor, &	06-Sept-23	Email

Category	Subcategory	Organization	Contact Name & Title	Email	Phone Number	Address	Delivery Date of Notice of Commencement	Contact Method
						Gillian Hartman, Regional Planning Coordinator		
Agency	Provincial	Ministry of Transportation	Jason White, Manager (Engineering Program Delivery Central)	jason.white@ontario.ca	416-235- 5575	159 Sir William Hearst Ave, 5th Floor, Building D, Toronto, ON M3M 0B7	05-Sept-23	Hard Copy
Agency	Provincial	Ministry of Tourism, Culture and Sport – Sport, Recreation and Recognition Division	Darja Ros, Manager	darja.ros@ontario.ca	647-283- 8621	777 Bay Street, 18th Floor, Toronto, ON M7A 1S5	06-Sept-23	Email
Agency	Provincial	Toronto Catholic School Board	Brendan Browne, Director of Education	brendan.browne@tcdsb.org	416-222- 8282 (Main Switchboard)	80 Sheppard Ave E, Toronto, ON M2N 6E8	06-Sept-23	Email
Agency	Provincial	Toronto District School Board	Colleen Russell- Rawlins, Director of Education	director'soffice@tdsb.on.ca	416-397- 3180	5050 Yonge Street, Toronto, ON M2N 5N8	06-Sept-23	Email
Agency	Regional	GO Transit and Metrolinx	Pam Foster, Director – Environmental Programs and Assessment	pam.foster@metrolinx.com	647-272- 9386	10 Bay Street, Toronto, ON M5J 2W3	06-Sept-23	Email
Agency	Regional	Toronto and Region Conservation Authority (TRCA)	Councillor Paul Ainslie, TRCA Board Chair	councillor_ainslie@toronto.ca	416-392- 4008	c/o TRCA, 101 Exchange Avenue, Vaughan, ON L4K 5R6	06-Sept-23	Email
Agency	Regional	Toronto and Region Conservation Authority (TRCA)	General Contact (Clerk's Office)	clerk@trca.ca	437-880- 2328	c/o TRCA, 101 Exchange Avenue, Vaughan, ON L4K 5R6	06-Sept-23	Email
Agency	Regional	Toronto Economic Development Corporation	Richard Saunders	richard.saunders@ontario.ca	416-990- 2661	5775 Yonge Street, 8 th Floor, Toronto, ON M2M 4J1	06-Sept-23	Email
Agency	Regional	Toronto Port Authority	General Contact	-	416-863- 2000, 416-462- 3937	207 Queen's Quay W, Suite 500, Toronto, ON M5J 1A7	05-Sept-23	Hard Copy
Agency	Municipal	Ashbridges Bay WW Treatment	General Contact	-	416-392- 5150	9 Leslie St, Toronto, ON M4M 3M9	05-Sept-23	Hard Copy

Category	Subcategory	Organization	Contact Name & Title	Email	Phone Number	Address	Delivery Date of Notice of Commencement	Contact Method
Agency	Municipal	Cherry Beach Park	General Contact	-	416-392-0239	1 Cherry St, Toronto, ON M5A 0B7	05-Sept-23	Hard Copy
Agency	Municipal	Cherry Beach Sports Fields	General Contact	-	416-367-4359	275 Unwin Ave, Toronto, ON M5A 3K8 (Old) 115 Unwin Ave, Toronto, ON M5A 1A2 (New)	05-Sept-23	Hard Copy (Mail Returned to sender with Moved/Unknown/Damaged sticker)
Agency	Municipal	Toronto Fire Services	Matthew Pegg, Fire Chief & General Manager	OfficeoftheFireChief@toronto.ca	416-338-9061	4330 Dufferin St, Toronto, ON M3H 5R9	06-Sept-23	Email
Agency	Municipal	Toronto Police Service	General Contact	Officeofthechief@torontopolice.on.ca	416-808-8000	40 College St, Toronto, ON M5G 2J3	06-Sept-23	Email
Agency	Municipal	Toronto Port Lands Company	General Contact	-	416-981-3879	29 Basin St, Toronto, ON M4M 1A1	05-Sept-23	Hard Copy (Mail Returned to sender with Moved/Unknown/Damaged sticker)
Agency	Municipal	Waterfront Toronto	General Contact	info@waterfronttoronto.ca	416-214-1344	20 Bay Street, Suite 1310, Toronto, ON M5J 2N8	06-Sept-23	Email
Agency	Municipal	City of Toronto	John Elvidge, City Clerk	clerk@toronto.ca	416-392-8641	Toronto City Hall, 13 th Floor W, 100 Queen St W, Toronto, ON M5H 2N2	06-Sept-23	Email
Agency	Municipal	City of Toronto- City Council	Michal Hay, Mayor's Chief of Staff	mayor_chow@toronto.ca	416-397-CITY (2489)	Office of the Mayor, City Hall, 2 nd Floor, 100 Queen St W, Toronto, ON M5H 2N2	06-Sept-23	Email
Agency	Municipal	City of Toronto – Environment and Climate Department: Public Energy Initiatives – Existing Buildings	Rae-Anne Miller, Manager	eed@toronto.ca	416-455-3251	Union Station East Wing, 2 nd Floor c/o Metro Hall mailroom, 55 John St, Toronto, ON M5V 3C6	06-Sept-23	Email
Agency	Municipal	City of Toronto – Environment and Climate Department:	Fernando Carou, Manager	eed@toronto.ca	416-455-3251	Union Station East Wing, 2 nd Floor c/o Metro Hall mailroom,	06-Sept-23	Email

Category	Subcategory	Organization	Contact Name & Title	Email	Phone Number	Address	Delivery Date of Notice of Commencement	Contact Method
		Public Energy Initiatives – New Developments				55 John St, Toronto, ON M5V 3C6		
Agency	Municipal	City of Toronto – Parks, Forestry and Recreation	Janie Romoff, General Manager	parks@toronto.ca	416-392-8182	Toronto City Hall, 4 th Floor W, 100 Queen St W, Toronto, ON M5H 2N2	06-Sept-23	Email
Agency	Municipal	City of Toronto – Toronto Water	Lou Di Gironimo, General Manager	TWCustomerCare@toronto.ca	416-392-8200	Metro Hall, 18 th Floor, 55 John Street, Toronto, ON M5V 0C4	06-Sept-23	Email
Agency	Municipal	City of Toronto – City Planning	Gregg Lintern, Chief Planner & Executive Director	cityplanning@toronto.ca	416-392-8772	Toronto City Hall, 12 th Floor E, 100 Queen St W, Toronto, ON M5H 2N2	06-Sept-23	Email
Agency	Municipal	Commissioners St Transfer Stn	General Contact	-	416-392-2292	400 Commissioners St, Toronto, ON M4M 3K2	05-Sept-23	Hard Copy
Agency	Utility	Hydro One Networks Inc.	General Contact	SecondaryLandUse@HydroOne.com	-	-	06-Sept-23	Email
Agency	Utility	Ontario Power Generation (OPG)	Tammy Wong, Senior Environment Specialist	tammy.wong@opg.com	416-592-4548	700 University Avenue, Toronto, ON M5G 1X6	06-Sept-23	Email
Agency	Utility	Toronto Hydro	General Contact	-	416-542-8000	14 Carlton Street, Toronto, ON M5B 1K5	05-Sept-23	Hard Copy
Utilities								
Utilities	Utility	CN Rail	General Contact	Proximity@cn.ca	-	1 Administration Road, Concord, ON L4K 1B9	06-Sept-23	Email
Utilities	Utility	CP Rail	Tom Twigge, Director	tom_twigge@cpr.ca	905-803-5986	1290 Central Parkway W, Mississauga, ON L5C 4R3	06-Sept-23	Email and Hard Copy

Appendix B5b: Correspondence Records with MECP

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, September 6, 2023 6:29 AM

To: ClassEAnotices@ontario.ca; EA Notices to CRegion (MECP) <Eanotification.cregion@ontario.ca>; Nazariy.Kiriliak@ontario.ca

Subject: Notice of Commencement - Portlands Energy Centre

Good morning:

The materials attached are to inform you that Atura Power is planning to make efficiency upgrades at the Portlands Energy Centre (PEC) on the site of the former Richard L. Hearn Generating Station on Villiers Island. Please see the letter, Notice of Commencement, and MECP Project Information Form attached for more detail on the proposed activities, engagement opportunities, and how to learn more.

Thank you,

David Patterson

EHS Manager | **Atura Power**

905 870-4233 | david.patterson@aturapower.com

What to do:

Step 1. Look for the type of EA project in column B that applies to you.

Step 2. Complete columns C to J for that project.

Step 3. Send this form in Excel format to the MECP regional office email address where the project is located.

MECP regional office email addresses are listed at

www.ontario.ca/gov/projects-environmental-assessments

Class EA/Streamlined EA	Proponent Name	Proponent Contact	Project Name	Project Schedule	Project Type	Project Location	MOECC Region	Project Initiation Date
1. CD - Remedial flood and erosion control projects								
2. CIP Transit - Class EA								
3. Hydro One - Minor transmission facilities								
4. MIA - Class EA for municipal infrastructure projects								
5. Ministry of Infrastructure - Public works								
6. MNM - Activities of the Ministry of Northern Development and Mines under the Mine Act								
7. MNRP - Provincial parks and conservation reserves								
8. MNRP - Resource stewardship and facility development projects								
9. MTCO - Provincial transportation facilities								
10. O. Reg. 101/07 - Waste management projects								
11. O. Reg. 116/01 - Electricity projects	Akura Power	Krishana Gnanachandran	Portlands Energy Centre Upgrade Project	Category B	Natural gas	Toronto, City of	Central	2023-09-01
12. OWA - Wastewater projects								

Enter the proponent's name.

Enter the name and email address of the person who the MECP should contact about your project. This should be the same contact person who is listed on the notice.

Enter the project name as it appears on the notice.

Select the project schedule from the drop-down menu.

Select the project type from the drop-down menu.

Select the name of the municipality or unincorporated/uneval area where your project is located from the drop-down menu.

Select the MECP region from the drop-down menu. Read the "MECP regions" worksheet to find the MECP region where your project is located.

Enter the date that the streamlined EA process was initiated (e.g. notice of commencement). This date may be when the project notice was first published.

From: EA Notices to CRegion (MECP) <eanotification.cregion@ontario.ca>

Sent: Monday, October 16, 2023 4:00 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Cc: Battarino, Gavin (MECP) <Gavin.Battarino@ontario.ca>; Caicedo, Jimena (MECP) <Jimena.Caicedo@ontario.ca>; EA Notices to CRegion (MECP) <eanotification.cregion@ontario.ca>

Subject: RE: Notice of Commencement - Portlands Energy Centre

Dear Project Team,

Please find the attached response letter and relevant supporting information for this project. If you have any questions regarding the information shared, please let us know.

Thank you,

Chunmei Liu (she/her) | Regional Environmental Planner

Environmental Assessments Branch, Ontario Ministry of the Environment, Conservation and Parks | 7th Flr, 135 St Clair Ave W, Toronto, ON M4V 1P5 | Chunmei.Liu@ontario.ca | 437-249-3102

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888 or ontario.ca/inspectionfeedback

Nous attendons vos commentaires. Qu'avez-vous pensé de mon service? Vous pouvez nous faire part de vos commentaires au 1-888-745-8888 ou à ontario.ca/retroactioninspection

Ministry of the Environment,
Conservation and Parks

Ministère de l'Environnement, de la
Protection de la nature et des Parcs

Environmental Assessment Branch Direction des évaluations
environnementales

1st Floor
135 St. Clair Avenue W
Toronto ON M4V 1P5
Tel.: 416 314-8001
Fax.: 416 314-8452

Rez-de-chaussée
135, avenue St. Clair Ouest
Toronto ON M4V 1P5
Tél. : 416 314-8001
Télééc. : 416 314-8452

October 16, 2023

Atura Power
portlandsupgrade@aturapower.com
BY EMAIL ONLY

Re: **Portlands Energy Centre Upgrades
Atura Power
Electricity Projects Regulation, O. Reg. 116/01 (Category B)
Acknowledgement of Notice of Commencement**

Dear Project Team,

This letter is in response to the Notice of Commencement for the above noted project. The Ministry of the Environment, Conservation and Parks (MECP) acknowledges that the Atura Power (proponent) has indicated that the study is following the approved environmental planning process for a Category B project set out in the *Electricity Projects Regulation, O. Reg. 116/01* (the “Environmental Screening Process”), made under the *Environmental Assessment Act*.

The **updated (August 2022)** attached “Areas of Interest” document provides guidance regarding the ministry’s interests with respect to the Environmental Screening Process. Please address all areas of interest in the Environmental Screening and Environmental Review at an appropriate level for the Environmental Screening Process. Proponents who address all the applicable areas of interest can minimize potential delays to the project schedule. **Further information is provided at the end of the Areas of Interest document relating to recent changes to the Environmental Assessment Act through Bill 197, Covid-19 Economic Recovery Act 2020.**

The Crown has a legal duty to consult Aboriginal communities when it has knowledge, real or constructive, of the existence or potential existence of an Aboriginal or treaty right and contemplates conduct that may adversely impact that right. Before authorizing this project, the

Crown must ensure that its duty to consult has been fulfilled, where such a duty is triggered. Although the duty to consult with Aboriginal peoples is a duty of the Crown, the Crown may delegate procedural aspects of this duty to project proponents while retaining oversight of the consultation process.

The proposed project may have the potential to affect Aboriginal or treaty rights protected under Section 35 of Canada's *Constitution Act 1982*. Where the Crown's duty to consult is triggered in relation to the proposed project, **the MECP is delegating the procedural aspects of rights-based consultation to the proponent through this letter**. The Crown intends to rely on the delegated consultation process in discharging its duty to consult and maintains the right to participate in the consultation process as it sees fit.

The site is located within treaty 13, 1805 w/ Mississaugas, within the traditional territory and claim area of the Mississaugas of the Credit, and within the 1701 Nanfan Deed. Based on information provided to date and the Crown's preliminary assessment the proponent is required to consult with the following communities who have been identified as potentially affected by the proposed project:

- Mississaugas of the Credit First Nation
- Six Nations of the Grand River (both elected and HCCC/HDI)
 - both the elected council and HCCC claim to represent the Six Nations Community. The HCCC is the traditional council and the SNGR elected was established by Canada pursuant to the Indian Act, 1924.

Steps that the proponent may need to take in relation to Aboriginal consultation for the proposed project are outlined in the ["Code of Practice for Consultation in Ontario's Environmental Assessment Process"](#). Additional information related to Ontario's Environmental Assessment Act is available online at: www.ontario.ca/environmentalassessments.

Please also refer to the attached document "A Proponent's Introduction to the Delegation of Procedural Aspects of consultation with Aboriginal Communities" for further information, including the MECP's expectations for Screening/Environmental Review Report documentation related to consultation with communities.

The proponent must contact the Director of Environmental Assessment Branch (EABDirector@ontario.ca) under the following circumstances after initial discussions with the communities identified by the MECP:

- Aboriginal or treaty rights impacts are identified to you by the communities;
- You have reason to believe that your proposed project may adversely affect an Aboriginal or treaty right;
- Consultation with Indigenous communities or other stakeholders has reached an impasse; or
- An elevation request is expected on the basis of outstanding environmental concerns.

The MECP will then assess the extent of any Crown duty to consult for the circumstances and will consider whether additional steps should be taken, including what role you will be asked to play should additional steps and activities be required.

A draft copy of the report should be sent directly to me prior to the filing of the final report, allowing a minimum of 30 days for the ministry's technical reviewers to provide comments.

Please ensure a copy of the final notice is sent to the ministry's Central Region Environmental Assessment (EA) notification email account (eanotification.cregion@ontario.ca) when available.

Should you or any members of your project team have any questions regarding the material above, please contact me at chunmei.liu@ontario.ca.

Sincerely,



Chunmei Liu
Regional Environmental Planner – Central Region
Project Review Unit, Environmental Assessment Branch

Cc: Gavin Battarino, Supervisor, Project Review Unit, MECP
Jimena Caicedo, Manager, Toronto District Office, MECP

Enclosed: Areas of Interest

Attached: Client's Guide to Preliminary Screening for Species at Risk
A Proponent's Introduction to the Delegation of Procedural Aspects of Consultation with Aboriginal Communities

AREAS OF INTEREST (v. August 2022)

It is suggested that you check off each section after you have considered / addressed it.

Planning and Policy

- Applicable plans and policies should be identified in the report, and the proponent should describe how the proposed project adheres to the relevant policies in these plans.

- Projects located in MECP Central, Eastern or West Central Region may be subject to [A Place to Grow: Growth Plan for the Greater Golden Horseshoe \(2020\)](#).
 - Projects located in MECP Central or Eastern Region may be subject to the [Oak Ridges Moraine Conservation Plan \(2017\)](#) or the [Lake Simcoe Protection Plan \(2014\)](#).
 - Projects located in MECP Central, Southwest or West Central Region may be subject to the [Niagara Escarpment Plan \(2017\)](#).
 - Projects located in MECP Central, Eastern, Southwest or West Central Region may be subject to the [Greenbelt Plan \(2017\)](#).
 - Projects located in MECP Northern Region may be subject to the [Growth Plan for Northern Ontario \(2011\)](#).
- The [Provincial Policy Statement \(2020\)](#) contains policies that protect Ontario's natural heritage and water resources. Applicable policies should be referenced in the report, and the proponent should describe how the proposed project is consistent with these policies.
 - In addition to the provincial planning and policy level, the report should also discuss the planning context at the municipal and federal levels, as appropriate.

Source Water Protection

The *Clean Water Act, 2006* (CWA) aims to protect existing and future sources of drinking water. To achieve this, several types of vulnerable areas have been delineated around surface water intakes and wellheads for every municipal residential drinking water system that is located in a source protection area. These vulnerable areas are known as a Wellhead Protection Areas (WHPAs) and surface water Intake Protection Zones (IPZs). Other vulnerable areas that have been delineated under the CWA include Highly Vulnerable Aquifers (HVAs), Significant Groundwater Recharge Areas (SGRAs), Event-based modelling areas (EBAs), and Issues Contributing Areas (ICAs). Source protection plans have been developed that include policies to address existing and future risks to sources of municipal drinking water within these vulnerable areas.

Projects that are subject to the Environmental Assessment Act that fall under a Class EA, or one of the Regulations, have the potential to impact sources of drinking water if they occur in designated vulnerable areas or in the vicinity of other at-risk drinking water systems (i.e. systems that are not municipal residential systems). Projects may include activities that, if located in a vulnerable area, could be a threat to sources of drinking water (i.e. have the potential to adversely affect the quality or quantity of drinking water sources) and the activity could therefore be subject to policies in a source protection plan. Where an activity poses a risk to drinking water, policies in the local source protection plan may impact how or where that activity is undertaken. Policies may prohibit certain activities, or they may require risk management measures for these activities. Municipal Official Plans, planning decisions, Class EA projects (where the project includes an activity that is a threat to drinking water) and

prescribed instruments must conform with policies that address significant risks to drinking water and must have regard for policies that address moderate or low risks.

- The proponent should identify the source protection area and should clearly document how the proximity of the project to sources of drinking water (municipal or other) and any delineated vulnerable areas was considered and assessed. Specifically, the report should discuss whether or not the project is located in a vulnerable area and provide applicable details about the area.
- If located in a vulnerable area, proponents should document whether any project activities are prescribed drinking water threats and thus pose a risk to drinking water (this should be consulted on with the appropriate Source Protection Authority). Where an activity poses a risk to drinking water, the proponent must document and discuss in the report how the project adheres to or has regard to applicable policies in the local source protection plan. This section should then be used to inform and be reflected in other sections of the report, such as the identification of net positive/negative effects of alternatives, mitigation measures, evaluation of alternatives etc.
- While most source protection plans focused on including policies for significant drinking water threats in the WHPAs and IPZs it should be noted that even though source protection plan policies may not apply in HVAs, these are areas where aquifers are sensitive and at risk to impacts and within these areas, activities may impact the quality of sources of drinking water for systems other than municipal residential systems.
- In order to determine if this project is occurring within a vulnerable area, proponents can use [Source Protection Information Atlas](#), which is an online mapping tool available to the public. Note that various layers (including WHPAs, WHPA-Q1 and WHPA-Q2, IPZs, HVAs, SGRAs, EBAs, ICAs) can be turned on through the “Map Legend” bar on the left. The mapping tool will also provide a link to the appropriate source protection plan in order to identify what policies may be applicable in the vulnerable area.
- For further information on the maps or source protection plan policies which may relate to their project, proponents must contact the appropriate source protection authority. **Please consult with the local source protection authority to discuss potential impacts on drinking water. Please document the results of that consultation within the report and include all communication documents/correspondence.**

More Information

For more information on the *Clean Water Act*, source protection areas and plans, including specific information on the vulnerable areas and drinking water threats, please refer to [Conservation Ontario’s website](#) where you will also find links to the local source protection plan/assessment report.

A list of the prescribed drinking water threats can be found in [section 1.1 of Ontario Regulation 287/07](#) made under the *Clean Water Act*. In addition to prescribed drinking water threats, some source protection plans may include policies to address additional “local” threat activities, as approved by the MECP.

Climate Change

The document "[Considering Climate Change in the Environmental Assessment Process](#)" (Guide) is now a part of the Environmental Assessment program's Guides and Codes of Practice. The Guide sets out the MECP's expectation for considering climate change in the preparation, execution and documentation of environmental assessment studies and processes. The guide provides examples, approaches, resources, and references to assist proponents with consideration of climate change in their study. Proponents should review this Guide in detail.

- **The MECP expects proponents of projects under a Class EA or EA Act Regulation to:**
 1. Consider during the assessment of alternative solutions and alternative designs, the following:
 - a. the project's expected production of greenhouse gas emissions and impacts on carbon sinks (climate change mitigation); and
 - b. resilience or vulnerability of the undertaking to changing climatic conditions (climate change adaptation).
 2. Include a discrete section in the report detailing how climate change was considered in the EA.

How climate change is considered can be qualitative or quantitative in nature and should be scaled to the project's level of environmental effect. In all instances, both a project's impacts on climate change (mitigation) and impacts of climate change on a project (adaptation) should be considered. **Please ensure climate change is considered in the report.**

- The MECP has also prepared another guide to support provincial land use planning direction related to the completion of energy and emission plans. The "[Community Emissions Reduction Planning: A Guide for Municipalities](#)" document is designed to educate stakeholders on the municipal opportunities to reduce energy and greenhouse gas emissions, and to provide guidance on methods and techniques to incorporate consideration of energy and greenhouse gas emissions into municipal activities of all types. We encourage you to review the Guide for information.

Air Quality, Dust and Noise

- If there are sensitive receptors in the surrounding area of this project, a quantitative air quality/odour impact assessment will be useful to evaluate alternatives, determine impacts and identify appropriate mitigation measures. The scope of the assessment can be determined based on the potential effects of the proposed alternatives, and typically

includes source and receptor characterization and a quantification of local air quality impacts on the sensitive receptors and the environment in the study area. The assessment will compare to all applicable standards or guidelines for all contaminants of concern.

Please contact this office for further consultation on the level of Air Quality Impact Assessment required for this project if not already advised.

- If a quantitative Air Quality Impact Assessment is not required for the project, the MECP expects that the report contain a qualitative assessment which includes:
 - A discussion of local air quality including existing activities/sources that significantly impact local air quality and how the project may impact existing conditions;
 - A discussion of the nearby sensitive receptors and the project's potential air quality impacts on present and future sensitive receptors;
 - A discussion of local air quality impacts that could arise from this project during both construction and operation; and
 - A discussion of potential mitigation measures.
- As a common practice, "air quality" should be used as an evaluation criterion for all road projects.
- Dust and noise control measures should be addressed and included in the construction plans to ensure that nearby residential and other sensitive land uses within the study area are not adversely affected during construction activities.
- The MECP recommends that non-chloride dust-suppressants be applied. For a comprehensive list of fugitive dust prevention and control measures that could be applied, refer to [*Cheminfo Services Inc. Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities*](#) report prepared for Environment Canada. March 2005.
- The report should consider the potential impacts of increased noise levels during the operation of the completed project. The proponent should explore all potential measures to mitigate significant noise impacts during the assessment of alternatives.

Ecosystem Protection and Restoration

- Any impacts to ecosystem form and function must be avoided where possible. The report should describe any proposed mitigation measures and how project planning will protect and enhance the local ecosystem.
- Natural heritage and hydrologic features should be identified and described in detail to assess potential impacts and to develop appropriate mitigation measures. The following sensitive environmental features may be located within or adjacent to the study area:

- Key Natural Heritage Features: Habitat of endangered species and threatened species, fish habitat, wetlands, areas of natural and scientific interest (ANSIs), significant valleylands, significant woodlands; significant wildlife habitat (including habitat of special concern species); sand barrens, savannahs, and tallgrass prairies; and alvars.
- Key Hydrologic Features: Permanent streams, intermittent streams, inland lakes and their littoral zones, seepage areas and springs, and wetlands.
- Other natural heritage features and areas such as: vegetation communities, rare species of flora or fauna, Environmentally Sensitive Areas, Environmentally Sensitive Policy Areas, federal and provincial parks and conservation reserves, Greenland systems etc.

We recommend consulting with the Ministry of Natural Resources and Forestry (MNRF), Fisheries and Oceans Canada (DFO) and your local conservation authority to determine if special measures or additional studies will be necessary to preserve and protect these sensitive features. In addition, for projects located in Central Region you may consider the provisions of the Rouge Park Management Plan if applicable.

Species at Risk

- The Ministry of the Environment, Conservation and Parks has now assumed responsibility of Ontario's Species at Risk program. Information, standards, guidelines, reference materials and technical resources to assist you are found at <https://www.ontario.ca/page/species-risk>.
- The Client's Guide to Preliminary Screening for Species at Risk (Draft May 2019) has been attached to the covering email for your reference and use. Please review this document for next steps.
- For any questions related to subsequent permit requirements, please contact SAROntario@ontario.ca.

Surface Water

- The report must include enough information to demonstrate that there will be no negative impacts on the natural features or ecological functions of any watercourses within the study area. Measures should be included in the planning and design process to ensure that any impacts to watercourses from construction or operational activities (e.g. spills, erosion, pollution) are mitigated as part of the proposed undertaking.
- Additional stormwater runoff from new pavement can impact receiving watercourses and flood conditions. Quality and quantity control measures to treat stormwater runoff should be considered for all new impervious areas and, where possible, existing surfaces. The ministry's [Stormwater Management Planning and Design Manual \(2003\)](#) should be

referenced in the report and utilized when designing stormwater control methods. **A Stormwater Management Plan should be prepared as part of the Environmental Screening Process** that includes:

- Strategies to address potential water quantity and erosion impacts related to stormwater draining into streams or other sensitive environmental features, and to ensure that adequate (enhanced) water quality is maintained
 - Watershed information, drainage conditions, and other relevant background information
 - Future drainage conditions, stormwater management options, information on erosion and sediment control during construction, and other details of the proposed works
 - Information on maintenance and monitoring commitments.
- Any potential approval requirements for surface water taking or discharge should be identified in the report. A Permit to Take Water (PTTW) under the *Ontario Water Resources Act* (OWRA) will be required for any water takings that exceed 50,000 L/day, except for certain water taking activities that have been prescribed by the Water Taking EASR Regulation – *O. Reg. 63/16*. These prescribed water-taking activities require registration in the EASR instead of a PTTW. Please review the [Water Taking User Guide for EASR](#) for more information. Additionally, an Environmental Compliance Approval under the OWRA is required for municipal stormwater management works.

Groundwater

- The status of, and potential impacts to any well water supplies should be addressed. If the project involves groundwater takings or changes to drainage patterns, the quantity and quality of groundwater may be affected due to drawdown effects or the redirection of existing contamination flows. In addition, project activities may infringe on existing wells such that they must be reconstructed or sealed and abandoned. Appropriate information to define existing groundwater conditions should be included in the report.
- If the potential construction or decommissioning of water wells is identified as an issue, the report should refer to Ontario Regulation 903, Wells, under the OWRA.
- Potential impacts to groundwater-dependent natural features should be addressed. Any changes to groundwater flow or quality from groundwater taking may interfere with the ecological processes of streams, wetlands or other surficial features. In addition, discharging contaminated or high volumes of groundwater to these features may have direct impacts on their function. Any potential effects should be identified, and appropriate

mitigation measures should be recommended. The level of detail required will be dependent on the significance of the potential impacts.

- Any potential approval requirements for groundwater taking or discharge should be identified in the report. A Permit to Take Water (PTTW) under the OWRA will be required for any water takings that exceed 50,000 L/day, with the exception of certain water taking activities that have been prescribed by the Water Taking EASR Regulation – *O. Reg. 63/16*. These prescribed water-taking activities require registration in the EASR instead of a PTTW. Please review the [Water Taking User Guide for EASR](#) for more information.
- Consultation with the railroad authorities is necessary wherever there is a plan to use construction dewatering in the vicinity of railroad lines or where the zone of influence of the construction dewatering potentially intercepts railroad lines.

Excess Materials Management

- In December 2019, MECP released a new regulation under the Environmental Protection Act, titled “[On-Site and Excess Soil Management](#)” (O. Reg. 406/19) to support improved management of excess construction soil. This regulation is a key step to support proper management of excess soils, ensuring valuable resources don’t go to waste and to provide clear rules on managing and reusing excess soil. New risk-based standards referenced by this regulation help to facilitate local beneficial reuse which in turn will reduce greenhouse gas emissions from soil transportation, while ensuring strong protection of human health and the environment. The new regulation is being phased in over time, with the first phase in effect on January 1, 2021. For more information, please visit <https://www.ontario.ca/page/handling-excess-soil>.
- The report should reference that activities involving the management of excess soil should be completed in accordance with O. Reg. 406/19 and the MECP’s current guidance document titled “[Management of Excess Soil – A Guide for Best Management Practices](#)” (2014).
- All waste generated during construction must be disposed of in accordance with ministry requirements.

Contaminated Sites

- Any current or historical waste disposal sites should be identified in the report. The status of these sites should be determined to confirm whether approval pursuant to Section 46 of the EPA may be required for land uses on former disposal sites. We recommend referring to the [MECP’s D-4 guideline](#) for land use considerations near landfills and dumps.

- Resources available may include regional/local municipal official plans and data; provincial data on [large landfill sites](#) and [small landfill sites](#); Environmental Compliance Approval information for waste disposal sites on [Access Environment](#).
- Other known contaminated sites (local, provincial, federal) in the study area should also be identified in the report (Note – information on federal contaminated sites is found on the Government of Canada’s [website](#)).
- The location of any underground storage tanks should be investigated in the report. Measures should be identified to ensure the integrity of these tanks and to ensure an appropriate response in the event of a spill. The ministry’s Spills Action Centre must be contacted in such an event.
- Since the removal or movement of soils may be required, appropriate tests to determine contaminant levels from previous land uses or dumping should be undertaken. If the soils are contaminated, you must determine how and where they are to be disposed of, consistent with *Part XV.1 of the Environmental Protection Act* (EPA) and Ontario Regulation 153/04, Records of Site Condition, which details the new requirements related to site assessment and clean up. Please contact the appropriate MECP District Office for further consultation if contaminated sites are present.

Servicing, Utilities and Facilities

- The report should identify any above or underground utilities in the study area such as transmission lines, telephone/internet, oil/gas etc. The owners should be consulted to discuss impacts to this infrastructure, including potential spills.
- The report should identify any servicing infrastructure in the study area such as wastewater, water, stormwater that may potentially be impacted by the project.
- Any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste must have an Environmental Compliance Approval (ECA) before it can operate lawfully. Please consult with MECP’s Environmental Permissions Branch to determine whether a new or amended ECA will be required for any proposed infrastructure.
- We recommend referring to the ministry’s [environmental land use planning guides](#) to ensure that any potential land use conflicts are considered when planning for any infrastructure or facilities related to wastewater, pipelines, landfills or industrial uses.

Mitigation and Monitoring

- Contractors must be made aware of all environmental considerations so that all environmental standards and commitments for both construction and operation are met. Mitigation measures should be clearly referenced in the report and regularly monitored during the construction stage of the project. In addition, we encourage proponents to conduct post-construction monitoring to ensure all mitigation measures have been effective and are functioning properly.
- Design and construction reports and plans should be based on a best management approach that centres on the prevention of impacts, protection of the existing environment, and opportunities for rehabilitation and enhancement of any impacted areas.
- The proponent's construction and post-construction monitoring plans must be documented in the report.

Consultation

- The report must demonstrate how the consultation provisions of the Environmental Screening Process have been fulfilled, including documentation of all stakeholder consultation efforts undertaken during the planning process. This includes a discussion in the report that identifies concerns that were raised and **describes how they have been addressed by the proponent** throughout the planning process. The report should also include copies of comments submitted on the project by interested stakeholders, and the proponent's responses to these comments (as directed by the Guide to Environmental Assessment Requirements for Electricity Projects to include full documentation).
- Please include the full stakeholder distribution/consultation list in the documentation.

Environmental Screening Process

- The purpose of the Environmental Screening report is to document the process followed and the conclusions reached. It should provide clear and complete documentation of the planning process in order to allow for transparency in decision-making and to allow for its timely review by government agencies, and interested persons, including Indigenous communities.
- The Environmental Screening Process requires the consideration of the effects of the project on all aspects of the environment (including planning, natural, social, cultural, economic, technical). The report should include a level of detail (e.g. hydrogeological investigations, terrestrial and aquatic assessments, cultural heritage assessments) such that

all potential impacts can be identified, and appropriate mitigation measures can be developed. Any supporting studies conducted during the Environmental Screening Process should be referenced and included as part of the report.

- There are two possible stages of review required under the Environmental Screening Process, depending on the environmental effects of a project: a Screening stage and an Environmental Review stage.
 - All projects that are subject to the process are required to go through the Screening stage, which requires proponents to apply a series of screening criteria to identify the potential environmental effects of the project.
 - A more detailed study (an Environmental Review) is required if potential concerns are raised during the Screening stage that could not be readily addressed.
- Please include in the report a list of all subsequent permits or approvals that may be required for the implementation of the project, including but not limited to, MECP's PTTW, EASR Registrations and ECAs, conservation authority permits, species at risk permits, MTO permits and approvals under the *Impact Assessment Act, 2019*.
- Proponents are encouraged to circulate a draft of the Environmental Review Report, or relevant sections of the report, to the appropriate agencies and key stakeholders for comment prior to the formal review periods.
- Ministry guidelines and other information related to the issues above are available at <http://www.ontario.ca/environment-and-energy/environment-and-energy>. We encourage you to review all the available guides and to reference any relevant information in the report.

Once the Environmental Screening Report is finalized, the proponent must issue a Notice of Completion providing a minimum 30-day period during which documentation may be reviewed and comment and input can be submitted to the proponent. The Notice of Completion must be sent to the appropriate MECP Regional Office email address.

The public can submit an elevation request, which requests a higher level of assessment on a project if they have outstanding environmental concerns. In addition, at any point in the Environmental Screening Process, if it is determined that a project is likely to have significant negative environmental effects, and that the scope and scale of these effects are such that an individual EA is warranted, the Minister of the Environment may of his or her own initiative require that a project be made subject to Part II of the *Environmental Assessment Act* (an

individual EA). If the Minister requires an individual EA, the proponent will be informed in writing, stating reasons for the decision.

The proponent cannot proceed with the project until at least 30 days after the end of the comment period provided for in the Notice of Completion. Further, the proponent may not proceed after this time if:

- an elevation request has been submitted by any interested person including Indigenous communities to the ministry regarding outstanding environmental concerns, or
- the Minister has given notice to the proponent requiring that an environmental assessment be prepared.

Please ensure that the Notice of Completion advises that outstanding concerns are to be directed to the proponent for a response, and that in the event there are outstanding environmental concerns, elevation requests should be addressed in writing to:

Director, Environmental Assessment Branch
Ministry of Environment, Conservation and Parks
135 St. Clair Ave. W, 1st Floor
Toronto ON, M4V 1P5
EABDirector@ontario.ca

For more information on the Environmental Screening Process and environmental assessment requirements for Electricity Projects, please visit the following link: [Guide to Environmental Assessment Requirements for Electricity Projects | ontario.ca](#)

A PROPONENT’S INTRODUCTION TO THE DELEGATION OF PROCEDURAL ASPECTS OF CONSULTATION WITH ABORIGINAL COMMUNITIES

DEFINITIONS

The following definitions are specific to this document and may not apply in other contexts:

Aboriginal communities – the First Nation or Métis communities identified by the Crown for the purpose of consultation.

Consultation – the Crown’s legal obligation to consult when the Crown has knowledge of an established or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. This is the type of consultation required pursuant to s. 35 of the *Constitution Act, 1982*. Note that this definition does not include consultation with Aboriginal communities for other reasons, such as regulatory requirements.

Crown – the Ontario Crown, acting through a particular ministry or ministries.

Procedural aspects of consultation – those portions of consultation related to the process of consultation, such as notifying an Aboriginal community about a project, providing information about the potential impacts of a project, responding to concerns raised by an Aboriginal community and proposing changes to the project to avoid negative impacts.

Proponent – the person or entity that wants to undertake a project and requires an Ontario Crown decision or approval for the project.

I. PURPOSE

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that may adversely impact that right. In outlining a framework for the duty to consult, the Supreme Court of Canada has stated that the Crown may delegate procedural aspects of consultation to third parties. This document provides general information about the Ontario Crown’s approach to delegation of the procedural aspects of consultation to proponents.

This document is not intended to instruct a proponent about an individual project, and it does not constitute legal advice.

II. WHY IS IT NECESSARY TO CONSULT WITH ABORIGINAL COMMUNITIES?

The objective of the modern law of Aboriginal and treaty rights is the *reconciliation* of Aboriginal peoples and non-Aboriginal peoples and their respective rights, claims and interests. Consultation is an important component of the reconciliation process.

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. For example, the Crown’s duty to consult is triggered when it considers

issuing a permit, authorization or approval for a project which has the potential to adversely impact an Aboriginal right, such as the right to hunt, fish, or trap in a particular area.

The scope of consultation required in particular circumstances ranges across a spectrum depending on both the nature of the asserted or established right and the seriousness of the potential adverse impacts on that right.

Depending on the particular circumstances, the Crown may also need to take steps to accommodate the potentially impacted Aboriginal or treaty right. For example, the Crown may be required to avoid or minimize the potential adverse impacts of the project.

III. THE CROWN'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS

The Crown has the responsibility for ensuring that the duty to consult, and accommodate where appropriate, is met. However, the Crown may delegate the procedural aspects of consultation to a proponent.

There are different ways in which the Crown may delegate the procedural aspects of consultation to a proponent, including through a letter, a memorandum of understanding, legislation, regulation, policy and codes of practice.

If the Crown decides to delegate procedural aspects of consultation, the Crown will generally:

- Ensure that the delegation of procedural aspects of consultation and the responsibilities of the proponent are clearly communicated to the proponent;
- Identify which Aboriginal communities must be consulted;
- Provide contact information for the Aboriginal communities;
- Revise, as necessary, the list of Aboriginal communities to be consulted as new information becomes available and is assessed by the Crown;
- Assess the scope of consultation owed to the Aboriginal communities;
- Maintain appropriate oversight of the actions taken by the proponent in fulfilling the procedural aspects of consultation;
- Assess the adequacy of consultation that is undertaken and any accommodation that may be required;
- Provide a contact within any responsible ministry in case issues arise that require direction from the Crown; and
- Participate in the consultation process as necessary and as determined by the Crown.

IV. THE PROPONENT'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS

Where aspects of the consultation process have been delegated to a proponent, the Crown, in meeting its duty to consult, will rely on the proponent's consultation activities and documentation of those activities. The consultation process informs the Crown's decision of whether or not to approve a proposed project or activity.

A proponent's role and responsibilities will vary depending on a variety of factors including the extent of consultation required in the circumstance and the procedural aspects of consultation the Crown has delegated to it. Proponents are often in a better position than the Crown to discuss a project and its potential impacts with Aboriginal communities and to determine ways to avoid or minimize the adverse impacts of a project.

A proponent can raise issues or questions with the Crown at any time during the consultation process. If issues or concerns arise during the consultation that cannot be addressed by the proponent, the proponent should contact the Crown.

a) What might a proponent be required to do in carrying out the procedural aspects of consultation?

Where the Crown delegates procedural aspects of consultation, it is often the proponent's responsibility to provide notice of the proposed project to the identified Aboriginal communities. The notice should indicate that the Crown has delegated the procedural aspects of consultation to the proponent and should include the following information:

- a description of the proposed project or activity;
- mapping;
- proposed timelines;
- details regarding anticipated environmental and other impacts;
- details regarding opportunities to comment; and
- any changes to the proposed project that have been made for seasonal conditions or other factors, where relevant.

Proponents should provide enough information and time to allow Aboriginal communities to provide meaningful feedback regarding the potential impacts of the project. Depending on the nature of consultation required for a project, a proponent also may be required to:

- provide the Crown with copies of any consultation plans prepared and an opportunity to review and comment;
- ensure that any necessary follow-up discussions with Aboriginal communities take place in a timely manner, including to confirm receipt of information, share and update information and to address questions or concerns that may arise;

- as appropriate, discuss with Aboriginal communities potential mitigation measures and/or changes to the project in response to concerns raised by Aboriginal communities;
- use language that is accessible and not overly technical, and translate material into Aboriginal languages where requested or appropriate;
- bear the reasonable costs associated with the consultation process such as, but not limited to, meeting hall rental, meal costs, document translation(s), or to address technical & capacity issues;
- provide the Crown with all the details about potential impacts on established or asserted Aboriginal or treaty rights, how these concerns have been considered and addressed by the proponent and the Aboriginal communities and any steps taken to mitigate the potential impacts;
- provide the Crown with complete and accurate documentation from these meetings and communications; and
- notify the Crown immediately if an Aboriginal community not identified by the Crown approaches the proponent seeking consultation opportunities.

b) What documentation and reporting does the Crown need from the proponent?

Proponents should keep records of all communications with the Aboriginal communities involved in the consultation process and any information provided to these Aboriginal communities.

As the Crown is required to assess the adequacy of consultation, it needs documentation to satisfy itself that the proponent has fulfilled the procedural aspects of consultation delegated to it. The documentation required would typically include:

- the date of meetings, the agendas, any materials distributed, those in attendance and copies of any minutes prepared;
- the description of the proposed project that was shared at the meeting;
- any and all concerns or other feedback provided by the communities;
- any information that was shared by a community in relation to its asserted or established Aboriginal or treaty rights and any potential adverse impacts of the proposed activity, approval or disposition on such rights;
- any proposed project changes or mitigation measures that were discussed, and feedback from Aboriginal communities about the proposed changes and measures;
- any commitments made by the proponent in response to any concerns raised, and feedback from Aboriginal communities on those commitments;
- copies of correspondence to or from Aboriginal communities, and any materials distributed electronically or by mail;

- information regarding any financial assistance provided by the proponent to enable participation by Aboriginal communities in the consultation;
- periodic consultation progress reports or copies of meeting notes if requested by the Crown;
- a summary of how the delegated aspects of consultation were carried out and the results; and
- a summary of issues raised by the Aboriginal communities, how the issues were addressed and any outstanding issues.

In certain circumstances, the Crown may share and discuss the proponent's consultation record with an Aboriginal community to ensure that it is an accurate reflection of the consultation process.

c) Will the Crown require a proponent to provide information about its commercial arrangements with Aboriginal communities?

The Crown may require a proponent to share information about aspects of commercial arrangements between the proponent and Aboriginal communities where the arrangements:

- include elements that are directed at mitigating or otherwise addressing impacts of the project;
- include securing an Aboriginal community's support for the project; or
- may potentially affect the obligations of the Crown to the Aboriginal communities.

The proponent should make every reasonable effort to exempt the Crown from confidentiality provisions in commercial arrangements with Aboriginal communities to the extent necessary to allow this information to be shared with the Crown.

The Crown cannot guarantee that information shared with the Crown will remain confidential. Confidential commercial information should not be provided to the Crown as part of the consultation record if it is not relevant to the duty to consult or otherwise required to be submitted to the Crown as part of the regulatory process.

V. WHAT ARE THE ROLES AND RESPONSIBILITIES OF ABORIGINAL COMMUNITIES' IN THE CONSULTATION PROCESS?

Like the Crown, Aboriginal communities are expected to engage in consultation in good faith. This includes:

- responding to the consultation notice;
- engaging in the proposed consultation process;
- providing relevant documentation;

- clearly articulating the potential impacts of the proposed project on Aboriginal or treaty rights; and
- discussing ways to mitigate any adverse impacts.

Some Aboriginal communities have developed tools, such as consultation protocols, policies or processes that provide guidance on how they would prefer to be consulted. Although not legally binding, proponents are encouraged to respect these community processes where it is reasonable to do so. Please note that there is no obligation for a proponent to pay a fee to an Aboriginal community in order to enter into a consultation process.

To ensure that the Crown is aware of existing community consultation protocols, proponents should contact the relevant Crown ministry when presented with a consultation protocol by an Aboriginal community or anyone purporting to be a representative of an Aboriginal community.

VI. WHAT IF MORE THAN ONE PROVINCIAL CROWN MINISTRY IS INVOLVED IN APPROVING A PROPONENT'S PROJECT?

Depending on the project and the required permits or approvals, one or more ministries may delegate procedural aspects of the Crown's duty to consult to the proponent. The proponent may contact individual ministries for guidance related to the delegation of procedural aspects of consultation for ministry-specific permits/approvals required for the project in question. Proponents are encouraged to seek input from all involved Crown ministries sooner rather than later.

Client's Guide to Preliminary Screening for Species at Risk

***Ministry of the Environment, Conservation and Parks
Species at Risk Branch, Permissions and Compliance***

DRAFT - May 2019

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1.0 Purpose, Scope, Background and Context

1.1 Purpose of this Guide

This guide has been created to:

- help clients better understand their obligation to gather information and complete a preliminary screening for species at risk before contacting the ministry,
- outline guidance and advice clients can expect to receive from the ministry at the preliminary screening stage,
- help clients understand how they can gather information about species at risk by accessing publicly available information housed by the Government of Ontario, and
- provide a list of other potential sources of species at risk information that exist outside the Government of Ontario.

It remains the client's responsibility to:

- carry out a preliminary screening for their projects,
- obtain best available information from all applicable information sources,
- conduct any necessary field studies or inventories to identify and confirm the presence or absence of species at risk or their habitat,
- consider any potential impacts to species at risk that a proposed activity might cause, and
- comply with the *Endangered Species Act (ESA)*.

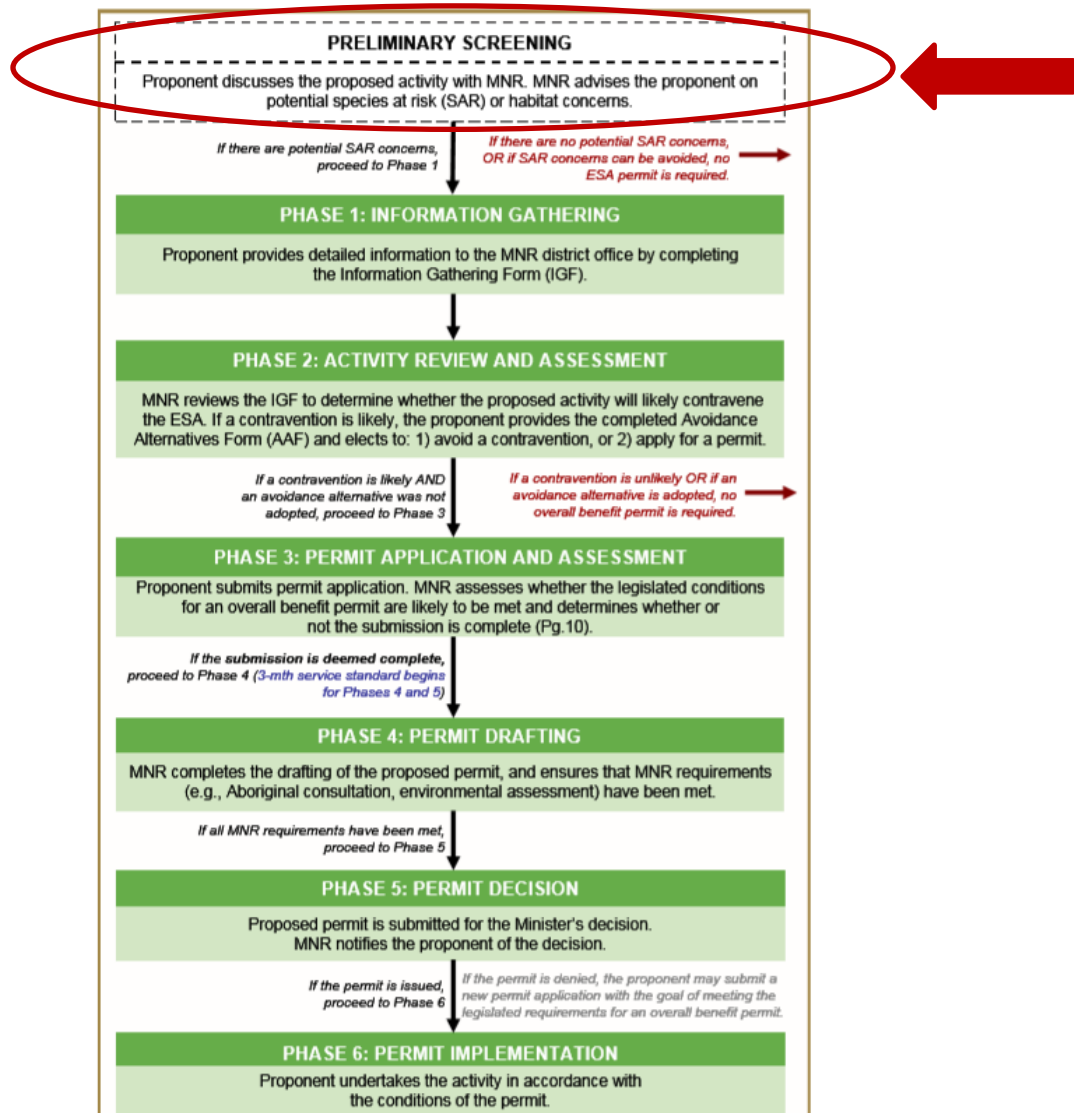
To provide the most efficient service, clients should initiate species at risk screenings and seek information from all applicable information sources identified in this guide, at a minimum, prior to contacting Government of Ontario ministry offices for further information or advice.

1.2 Scope

This guide is a resource for clients seeking to understand if their activity is likely to impact species at risk or if they are likely to trigger the need for an authorization under the ESA. It is not intended to circumvent any detailed site surveys that may be necessary to document species at risk or their habitat nor to circumvent the need to assess the impacts of a proposed activity on species at risk or their habitat. This guide is not an exhaustive list of available information sources for any given area as the availability of information on species at risk and their habitat varies across the province. This guide is intended to support projects and activities carried out on Crown and private land, by private landowners, businesses, other provincial ministries and agencies, or municipal government.

1.3 Background and Context

To receive advice on their proposed activity, clients must first determine whether any species at risk or their habitat exist or are likely to exist at or near their proposed activity, and whether their proposed activity is likely to contravene the ESA. Once this step is complete, clients may contact the ministry at SAROntario@ontario.ca to discuss the main purpose, general methods, timing and location of their proposed activity as well as information obtained about species at risk and their habitat at, or near, the site. At this stage, the ministry can provide advice and guidance to the client about potential species at risk or habitat concerns, measures that the client is considering to avoid adverse effects on species at risk or their habitat and whether additional field surveys are advisable. This is referred to as the “Preliminary Screening” stage. For more information on additional phases in the diagram below, please refer to the *Endangered Species Act Submission Standards for Activity Review and 17(2)(c) Overall Benefit Permits* policy available online at <https://www.ontario.ca/page/species-risk-overall-benefit-permits>



2.0 Roles and Responsibilities

To provide the most efficient service, clients should initiate species at risk screenings and seek information from all applicable information sources identified in this guide prior to contacting Government of Ontario ministry offices for further information or advice.

Step 1: Client seeks information regarding species at risk or their habitat that exist, or are likely to exist, at or near their proposed activity by referring to all applicable information sources identified in this guide.

Step 2: Client reviews and consider guidance on whether their proposed activity is likely to contravene the ESA (see section 3.4 of this guide for guidance on what to consider).

Step 3: Client gathers information identified in the checklist in section 4 of this guide.

Step 4: Client contacts the ministry at SAROntario@ontario.ca to discuss their preliminary screening. Ministry staff will ask the client questions about the main purpose, general methods, timing and location of their proposed activity as well as information obtained about species at risk and their habitat at, or near, the site. Ministry staff will also ask the client for their interpretation of the impacts of their activity on species at risk or their habitat as well as measures the client has considered to avoid any adverse impacts.

Step 5: Ministry staff will provide advice on next steps.

Option A: Ministry staff may advise the client they can proceed with their activity without an authorization under the ESA where the ministry is confident that:

- no protected species at risk or habitats are likely to be present at or near the proposed location of the activity; or
- protected species at risk or habitats are known to be present but the activity is not likely to contravene the ESA; or
- through the adoption of avoidance measures, the modified activity is not likely to contravene the ESA.

Option B: Ministry staff may advise the client to proceed to Phase 1 of the overall benefit permitting process (i.e. Information Gathering in the previous diagram), where:

- there is uncertainty as to whether any protected species at risk or habitats are present at or near the proposed location of the activity; or
- the potential impacts of the proposed activity are uncertain; or
- ministry staff anticipate the proposed activity is likely to contravene the ESA.

3.0 Information Sources

Land Information Ontario (LIO) and the Natural Heritage Information Centre (NHIC) maintain and provide information about species at risk, as well as related information about fisheries, wildlife, crown lands, protected lands and more. This information is made available to organizations, private individuals, consultants, and developers through online sources and is often considered under various pieces of legislation or as part of regulatory approvals and planning processes.

The information available from LIO or NHIC and the sources listed in this guide should not be considered as a substitute for site visits and appropriate field surveys. Generally, this information can be regarded as a starting point from which to conduct further field surveys, if needed. While this data represents best available current information, it is important to note that a lack of information for a site does not mean that species at risk or their habitat are not present. There are many areas where the Government of Ontario does not currently have information, especially in more remote parts of the province. The absence of species at risk location data at or near your site does not necessarily mean no species at risk are present at that location. On-site assessments can better verify site conditions, identify and confirm presence of species at risk and/or their habitats.

Information on the location (i.e. observations and occurrences) of species at risk is considered sensitive and therefore publicly available only on a 1km square grid as opposed to as a detailed point on a map. This generalized information can help you understand which species at risk are in the general vicinity of your proposed activity and can help inform field level studies you may want to undertake to confirm the presence, or absence of species at risk at or near your site.

Should you require specific and detailed information pertaining to species at risk observations and occurrences at or near your site on a finer geographic scale; you will be required to demonstrate your need to access this information, to complete data sensitivity training and to obtain a Sensitive Data Use License from the NHIC. Information on how to obtain a license can be found online at <https://www.ontario.ca/page/get-natural-heritage-information>.

Many organizations (e.g. other Ontario ministries, municipalities, conservation authorities) have ongoing licensing to access this data so be sure to check if your organization has this access and consult this data as part of your preliminary screening if your organization already has a license.

3.1 Make a Map: Natural Heritage Areas

The Make a Natural Heritage Area Map (available online at http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US) provides public access to natural heritage information, including species at risk, without the user needing to have Geographic Information System (GIS) capability. It allows users to view and identify generalized species at risk information, mark areas of interest, and create and print a custom map directly from the web application. The tool also shows topographic information such as roads, rivers, contours and municipal boundaries.

Users are advised that sensitive information has been removed from the natural areas dataset and the occurrences of species at risk has been generalized to a 1-kilometre grid to mitigate the risks to the species (e.g. illegal harvest, habitat disturbance, poaching).

The web-based mapping tool displays natural heritage data, including:

- Generalized Species at risk occurrence data (based on a 1-km square grid),
- Natural Heritage Information Centre data.

Data cannot be downloaded directly from this web map; however, information included in this application is available digitally through Land Information Ontario (LIO) at <https://www.ontario.ca/page/land-information-ontario>.

3.2 Land Information Ontario (LIO)

Most natural heritage data is publicly available. This data is managed in a large provincial corporate database called the LIO Warehouse and can be accessed online through the LIO Metadata Management Tool at <https://www.javacoeapp.lrc.gov.on.ca/geonetwork/srv/en/main.home>. This tool provides descriptive information about the characteristics, quality and context of the data. Publicly available geospatial data can be downloaded directly from this site.

While most data are publicly available, some data may be considered highly sensitive (i.e. nursery areas for fish, species at risk observations) and as such, access to some data maybe restricted.

3.3 Additional Species at Risk Information Sources

- The Breeding Bird Atlas can be accessed online at <http://www.birdsontario.org/atlas/index.jsp?lang=en>
- eBird can be accessed online at <https://ebird.org/home>
- iNaturalist can be accessed online at <https://www.inaturalist.org/>
- The Ontario Reptile and Amphibian Atlas can be accessed online at <https://ontarionature.org/programs/citizen-science/reptile-amphibian-atlas>
- Your local Conservation Authority. Information to help you find your local Conservation Authority can be accessed online at <https://conservationontario.ca/conservation-authorities/find-a-conservation-authority/>

Local naturalist groups or other similar community-based organizations

- Local Indigenous communities
- Local land trusts or other similar Environmental Non-Government Organizations
- Field level studies to identify if species at risk, or their habitat, are likely present or absent at or near the site.
- When an activity is proposed within one of the continuous caribou ranges, please be sure to consider the caribou Range Management Policy. This policy includes figures and maps of the continuous caribou range, can be found online at <https://www.ontario.ca/page/range-management-policy-support-woodland-caribou-conservation-and-recovery>

3.4 Information Sources to Support Impact Assessments

- Guidance to help you understand if your activity is likely to adversely impact species at risk or their habitat can be found online at <https://www.ontario.ca/page/policy-guidance-harm-and-harass-under-endangered-species-act> and <https://www.ontario.ca/page/categorizing-and-protecting-habitat-under-endangered-species-act>
- A list of species at risk in Ontario is available online at <https://www.ontario.ca/page/species-risk-ontario>. On this webpage, you can find out more about each species, including where it lives, what threatens it and any specific habitat protections that apply to it by clicking on the photo of the species.

4.0 Check-List

Please feel free to use the check list below to help you confirm you have explored all applicable information sources and to support your discussion with Ministry staff at the preliminary screening stage.

- ✓ Land Information Ontario (LIO)
- ✓ Natural Heritage Information Centre (NHIC)
- ✓ The Breeding Bird Atlas
- ✓ eBird
- ✓ iNaturalist
- ✓ Ontario Reptile and Amphibian Atlas
- ✓ List Conservation Authorities you contacted: _____

- ✓ List local naturalist groups you contacted: _____

- ✓ List local Indigenous communities you contacted: _____

- ✓ List any other local land trusts or Environmental Non-Government Organizations you contacted: _____

- ✓ List and field studies that were conducted to identify species at risk, or their habitat, likely to be present or absent at or near the site: _____

- ✓ List what you think the likely impacts of your activity are on species at risk and their habitat (e.g. damage or destruction of habitat, killing, harming or harassing species at risk): _____

Appendix B5c: Correspondence Records with Other Agencies

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: September 6, 2023 12:53 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: Portlands Energy Centre Efficiency Upgrades

Good afternoon.

This email and attached PDF are to inform you that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre, located on the site of the former Richard L. Hearn Generating Station in Toronto, Ont. Please see the attached letter and Notice of Commencement for more details about the proposed activities, engagement opportunities, and how to learn more.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: info <info@waterfrontoronto.ca>

Sent: Wednesday, September 6, 2023 12:53 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Automatic reply: Portlands Energy Centre Efficiency Upgrades

Hello,

Thank you for contacting Waterfront Toronto. We appreciate you taking the time to email us. We will make every effort to get back to you as soon as we can.

If you are looking for general information on waterfront revitalization please visit our website at <https://www.waterfrontoronto.ca/>

Here are some helpful links where you can find additional information.

- [News](#) – *Read our latest news and blogs*
- [Quayside](#) – *visit the project page for the latest information about the Quayside project.*
- [Port Lands Flood Protection Project](#) – *For more information about the planning and future development of the Port Lands and the Don Mouth Naturalization project.*
- [Online Calendar](#) – *here you will find Waterfront Toronto related meetings and events – including public engagements, Board & Committee meetings and Design Review Panel meetings.*
- **Social Media** - You can learn more and get our latest updates online via [Facebook](#), [Twitter](#), [LinkedIn](#), [Instagram](#), and [YouTube](#).

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: September 6, 2023 12:53 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: Portlands Energy Centre Efficiency Upgrades

Good afternoon.

This email and attached PDF are to inform you that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre, located on the site of the former Richard L. Hearn Generating Station in Toronto, Ont. Please see the attached letter and Notice of Commencement for more details about the proposed activities, engagement opportunities, and how to learn more.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Johnston, Keith (He/Him) (MNRF) <Keith.Johnston@ontario.ca>

Sent: Wednesday, September 6, 2023 12:53 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Automatic reply: Portlands Energy Centre Efficiency Upgrades

Thank you for your email.

I am currently out of the office. I will not have access to email at this time and I will respond to your email when I return September 18.

If you need immediate assistance, please contact: Jim Boothby (Jim.Boothby@ontario.ca) with copy to my email account.

If you need assistance with OPCC or EA Notices, Environmental Registry or Regulatory Registry, please contact: Environmental.Planning.Team@ontario.ca

Regards,

Keith Johnston [He/Him]
A/Team Lead, Environmental Planning

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: September 6, 2023 12:53 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: Portlands Energy Centre Efficiency Upgrades

Good afternoon.

This email and attached PDF are to inform you that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre, located on the site of the former Richard L. Hearn Generating Station in Toronto, Ont. Please see the attached letter and Notice of Commencement for more details about the proposed activities, engagement opportunities, and how to learn more.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: SUN Hongxia <Susan.SUN@HydroOne.com> on behalf of SECONDARY LAND USE Department <Department.SecondaryLandUse@hydroone.com>

Sent: Monday, September 11, 2023 2:29 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Cc: SECONDARY LAND USE Department <Department.SecondaryLandUse@hydroone.com>

Subject: Hydro One Response: 20230911-NoticeOfPIC1-Portlands Energy Centre Efficiency Upgrades

Please see the attached for Hydro One's Response.

Hydro One Networks Inc

SecondaryLandUse@HydroOne.com

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Hydro One Networks Inc.

483 Bay Street
8th Floor South Tower
Toronto, Ontario M5G 2P5

HydroOne.com

September 11, 2023

Re: Portlands Energy Centre Efficiency Upgrades

Attention:
Krishana Gnanachandran
Project Manager - Outages and Projects
Atura Power

Thank you for sending us notification regarding (Portlands Energy Centre Efficiency Upgrades). In our preliminary assessment, we confirm there are no existing Hydro One Transmission assets in the subject area. Please be advised that this is only a preliminary assessment based on current information.

If plans for the undertaking change or the study area expands beyond that shown, please contact Hydro One to assess impacts of existing or future planned electricity infrastructure.

Any future communications are sent to Secondarylanduse@hydroone.com.

Be advised that any changes to lot grading and/or drainage within proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

Sent on behalf of,

**Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.**

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: September 6, 2023 12:53 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: Portlands Energy Centre Efficiency Upgrades

Good afternoon.

This email and attached PDF are to inform you that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre, located on the site of the former Richard L. Hearn Generating Station in Toronto, Ont. Please see the attached letter and Notice of Commencement for more details about the proposed activities, engagement opportunities, and how to learn more.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Bale, Sarah (MNRF) <Sarah.Bale@ontario.ca>
Sent: Thursday, September 14, 2023 11:16 AM
To: Darius Sokal <Darius.Sokal@aturapower.com>
Subject: RE: Portlands Energy Centre Efficiency Upgrades

Dear Darius:

The Ministry of Natural Resources and Forestry (MNRF) received the Notice of Commencement for the Portlands Energy Centre Efficiency Upgrades on September 6, 2023. Thank you for circulating this to our office. Please note the ministry has not completed a screening of natural heritage, natural hazards, other natural resource values, or applicable ministry permits or approvals at this time.

This response provides information to guide you in identifying ministry interests and engaging the ministry for advice as needed. MNRF has prepared the attached to provide proponents an overview of MNRF mandated interests and the ministry's commenting role in respect of external requests for comment for projects subject to the *Environmental Assessment Act*.

Please note it is the proponent's responsibility to be aware of, and comply with, all relevant federal or provincial legislation, municipal by-laws and/or other agency approvals.

After reviewing the information provided, if you have identified that your project would not impact any MNRF interests there is no need to circulate any subsequent notices to our office. If you have identified MNRF interests and/or may require permit(s) or further technical advice, please direct your specific questions to the undersigned.

If you have any questions or concerns, please feel free to contact me.

Best Regards,

Sarah Bale (she/her), Regional Planner

Land Use Planning and Strategic Issues Section | Southern Region
Ministry of Natural Resources and Forestry
Sarah.Bale@Ontario.ca | (613) 504-2254



As part of providing [accessible customer service](#), please let me know if you have any accommodation needs or require communication supports or alternate formats.

Ministry of Natural Resources and
Forestry

Land Use Planning and Strategic Issues
Section
Southern Region

Regional Operations Division
300 Water Street
Peterborough, ON K9J 3C7
Tel.: 705 761-4839

Ministère des Richesses naturelles et des Forêts

Section de l'aménagement du territoire et des
questions stratégiques
Région du Sud

Division des opérations régionales
300, rue Water
Peterborough (ON) K9J 3C7
Tél. : 705 761-4839



September 14, 2023

Darius Sokal
Sr. Communications Advisor, Atura Power
darius.sokal@aturapower.com

SUBJECT: Portlands Energy Centre Efficiency Upgrades; re: Notice of Commencement of a Screening and Invitation to a Virtual Public Meeting

The Ministry of Natural Resources and Forestry (MNRF) received the *Notice of Commencement of a Screening and Invitation to a Virtual Public Meeting* on September 6, 2023. Thank you for circulating this to our office. Please note that we have not completed a screening of natural heritage or other resource values for the project at this time. This response, however, does provide information to guide you in identifying and assessing natural features and resources as required by applicable policies and legislation, as well as engaging with the Ministry for advice as needed.

Please also note that it is the proponent's responsibility to be aware of, and comply with, all relevant federal or provincial legislation, municipal by-laws or other agency approvals.

Natural Heritage

MNRF's natural heritage and natural resources GIS data layers can be obtained through the Ministry's [Land Information Ontario \(LIO\)](#) website. You may also view natural heritage information online (e.g., Provincially Significant Wetlands, ANSI's, woodlands, etc.) using the [Make a Map: Natural Heritage Areas](#) tool.

We recommend that you use the above-noted sources of information during the review of your project proposal.

Natural Hazards

A series of natural hazard technical guides developed by MNRF are available to support municipalities and conservation authorities implement the natural hazard policies in the Provincial Policy Statement (PPS). For example, standards to address flood risks and the potential impacts and costs from riverine flooding are addressed in the *Technical Guide River and Stream Systems: Flooding Hazard Limit (2002)*. We recommend that you consider these technical guides as you assess specific improvement projects that can be undertaken to reduce the risk of flooding.

Petroleum Wells & Oil, Gas and Salt Resources Act

There may be petroleum wells within the proposed project area. Please consult the Ontario Oil, Gas and Salt Resources Library website (www.ogsrlibrary.com) for the best-known data on any wells recorded by MNR. Please reference the 'Definitions and Terminology Guide' listed in the publications on the library website to better understand the well information available. Any oil and gas wells in your project area are regulated by the *Oil, Gas and Salt Resource Act*, and the supporting regulations and operating standards. If any unanticipated wells are encountered during development of the project, or if the proponent has questions regarding petroleum operations, the proponent should contact the Petroleum Operations Section at POSRecords@ontario.ca or 519-873-4634.

Fish and Wildlife Conservation Act

Please note, that should the project require:

- The relocation of fish outside of the work area, a Licence to Collect Fish for Scientific Purposes under the *Fish and Wildlife Conservation Act* will be required.
- The relocation of wildlife outside of the work area (including amphibians, reptiles, and small mammals), a Wildlife Collector's Authorization under the *Fish and Wildlife Conservation Act* will be required.

Public Lands Act & Lakes and Rivers Improvement Act

Some Project may be subject to the provisions of the *Public Lands Act* or *Lakes and River Improvement Act*. Please review the information on MNR's web pages provided below regarding when an approval is, or is not, required. Please note that many of the authorizations under the *Lakes and Rivers Improvement Act* are administered by the local Conservation Authority.

- For more information about the *Public Lands Act*: <https://www.ontario.ca/page/crown-land-work-permits>
- For more information about the *Lakes and Rivers Improvement Act*: <https://www.ontario.ca/page/lakes-and-rivers-improvement-act-administrative-guide>

After reviewing the information provided, if you have not identified any of MNR's interests stated above, there is no need to circulate any subsequent notices to our office. If you have identified any of MNR's interests and/or may require permit(s) or further technical advice, please direct your specific questions to the undersigned.

If you have any questions or concerns, please feel free to contact me.

Best Regards,

Sarah Bale (she/her), Regional Planner

Land Use Planning and Strategic Issues Section | Southern Region

Ministry of Natural Resources and Forestry

Sarah.Bale@Ontario.ca | (613) 504-2254

From: Darius Sokal <Darius.Sokal@aturapower.com>
Sent: Wednesday, September 27, 2023 11:32 AM
To: Bale, Sarah (MNRF) <Sarah.Bale@ontario.ca>; Upgrade project for PEC <portlandsupgrade@aturapower.com>
Subject: RE: Portlands Energy Centre Efficiency Upgrades

Good morning, Sarah.

Thank you for confirming receipt of the Notice of Commencement for the Portlands Energy Centre Efficiency Upgrades and sharing the information to guide us in identifying ministry interests and engaging the ministry for advice as needed over the course of the Environmental Screening Process.

We will review the materials and reach out with any questions or concerns.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Bale, Sarah (MNRF) <Sarah.Bale@ontario.ca>

Sent: Tuesday, October 3, 2023 9:22 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Automatic reply: Portlands Energy Centre Efficiency Upgrades

I am in training from 12pm Tuesday (October 2) until 4:30pm Thursday (October 5). I will respond to you as soon as possible.

Thanks, Sarah

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: September 6, 2023 12:53 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: [External Sender] Portlands Energy Centre Efficiency Upgrades

Good afternoon.

This email and attached PDF are to inform you that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre, located on the site of the former Richard L. Hearn Generating Station in Toronto, Ont. Please see the attached letter and Notice of Commencement for more details about the proposed activities, engagement opportunities, and how to learn more.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Office Of The Fire Chief <OfficeOfTheFireChief@toronto.ca>

Sent: Thursday, September 14, 2023 3:24 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Cc: Office Of The Fire Chief <OfficeOfTheFireChief@toronto.ca>

Subject: Toronto Fire Services Reply RE: Portlands Energy Centre Efficiency Upgrades

Good afternoon Darius,

Thank you for contacting Toronto Fire Services, Office of the Fire Chief to provide this notice regarding the above-mentioned. I have forwarded this to our Fire Prevention and Inspections division who will review and attend if necessary, or be in contact if further information is required.

Kind regards,
Heather

Heather Smith (she/her)
Administrative Assistant for
Matthew Pegg, Fire Chief and General Manager

Office of the Fire Chief | Toronto Fire Services
4330 Dufferin Street, 3rd Floor
Toronto, ON | M3H 5R9
O: (416) 338-9061 C: (416) 476-3361 Fax: (416) 338-9060
Heather.Smith@toronto.ca | OfficeOfTheFireChief@toronto.ca

I acknowledge the land I am standing on is the traditional territory of many nations including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee and the Wendat peoples and is now home to many diverse First Nations, Inuit and Métis peoples. I also acknowledge that Toronto is covered by Treaty 13 with the Mississaugas of the Credit and the Williams Treaty signed with multiple Mississaugas and Chippewa bands.

I acknowledge all Treaty peoples – including those who came here as settlers – as migrants either in this

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, September 6, 2023 12:53 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: Portlands Energy Centre Efficiency Upgrades

Good afternoon.

This email and attached PDF are to inform you that Atura Power is planning to make efficiency upgrades at our Portlands Energy Centre, located on the site of the former Richard L. Hearn Generating Station in Toronto, Ont. Please see the attached letter and Notice of Commencement for more details about the proposed activities, engagement opportunities, and how to learn more.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Corinna Thomassen-Darby <Corinna.Thomassen-Darby@trca.ca>

Sent: Tuesday, September 19, 2023 3:58 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Subject: Automatic reply: Portlands Energy Centre Efficiency Upgrades

Thank you for your email.

I'm currently out of the office and will return on Wednesday, September 27, 2023. If your email is urgent please contact Madison Antonangeli at madison.antonangeli@trca.ca, otherwise I will return your email at my earliest convenience upon my return to the office.

Thank-you

Corinna Thomassen-Darby, M.PL (she/her/hers)

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: (416) 661-6600 ext. 5625

E: corinna.thomassen-darby@trca.ca

C: (647) 649-8964

A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](#) | trca.ca

From: Jackie Ho <Jackie.Ho@trca.ca>
Sent: Tuesday, September 19, 2023 2:07 PM
To: Darius Sokal <Darius.Sokal@aturapower.com>; Upgrade project for PEC
<portlandsupgrade@aturapower.com>
Cc: Corinna Thomassen-Darby <Corinna.Thomassen-Darby@trca.ca>
Subject: RE: Portlands Energy Centre Efficiency Upgrades

Hi Darius,

I will be the main contact at TRCA for this project. I am confirming receipt of the Notice of Commencement. Please be advised that a formal response will be coming from TRCA.

TRCA staff are unable to attend the public meeting live on October 5th. Would you please share the materials with us for TRCA staff to review?

Thanks,
Jackie

Jackie Ho (she/her)
Planner I
Infrastructure Planning and Permits | Development and Engineering Services

T: [437-880-2147](tel:437-880-2147)

E: jackie.ho@trca.ca

A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6 | trca.ca](https://www.trca.ca)



From: Darius Sokal <Darius.Sokal@aturapower.com>

Sent: Tuesday, September 19, 2023 1:58 PM

To: Jackie Ho <Jackie.Ho@trca.ca>

Cc: Corinna Thomassen-Darby <Corinna.Thomassen-Darby@trca.ca>; Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: RE: Portlands Energy Centre Efficiency Upgrades

Hi Jackie.

Thank you for your message.

I will share the public meeting materials with you shortly after the meeting. They will also be posted on the project webpage at aturapower.com/portlandsupgrade.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Jackie Ho <Jackie.Ho@trca.ca>

Sent: Tuesday, September 19, 2023 4:08 PM

To: Darius Sokal <Darius.Sokal@aturapower.com>

Cc: Corinna Thomassen-Darby <Corinna.Thomassen-Darby@trca.ca>; Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: RE: Portlands Energy Centre Efficiency Upgrades

Hi Darius,

Thanks for confirming. I noted on the project webpage that Atura Power has applied for an exemption with MECP. Is there an expected timeline for when it will be known whether the EA proceeds?

Best,
Jackie

Jackie Ho (she/her)

Planner I

Infrastructure Planning and Permits | Development and Engineering Services

T: [437-880-2147](tel:437-880-2147)

E: jackie.ho@trca.ca

A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca/101-Exchange-Avenue-Vaughan-ON-L4K-5R6) | [trca.ca](https://www.trca.ca)



From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:57 AM

To: Jackie Ho <Jackie.Ho@trca.ca>

Cc: Corinna Thomassen-Darby <Corinna.Thomassen-Darby@trca.ca>; Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: RE: Portlands Energy Centre Efficiency Upgrades

Hi Jackie.

Atura Power is not pursuing an exemption with the MECP.

Thanks, and sorry for my delayed reply.

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Jackie Ho <Jackie.Ho@trca.ca>

Sent: Tuesday, October 31, 2023 10:25 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Cc: Darius Sokal <Darius.Sokal@aturapower.com>; Zack Carlan <Zack.Carlan@trca.ca>; Corinna Thomassen-Darby <Corinna.Thomassen-Darby@trca.ca>

Subject: Atura Power - Portlands Energy Centre Efficiency Upgrades - Notice of Commencement - TRCA Response (CFN 69952)

Good morning,

TRCA staff have completed our review of the Notice of Commencement and Public Meeting materials for the above-noted project. Please see the attached response letter with our detailed comments. For your convenience, a Word version of Appendix B is provided to assist with your responses.

Please address our comments in the draft screening report and provide TRCA with comment responses and a copy of the draft screening report for review.

If you have any questions, please let me know.

Best,
Jackie

Jackie Ho (she/her)

Planner I

Infrastructure Planning and Permits | Development and Engineering Services

T: [437-880-2147](tel:437-880-2147)

E: jackie.ho@trca.ca

A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca) | [trca.ca](https://www.trca.ca)



October 31, 2023

CFN 69952

BY E-MAIL ONLY (portlandsupgrade@aturapower.com)

Krishana Gnanachandran, Project Manager
Atura Power
1415 Joshuas Creek Drive, Unit #101
Oakville, ON
L6H 7G4

Dear Krishana Gnanachandran,

**Re: Notice of Commencement
Portlands Energy Centre Efficiency Upgrades
Environmental Screening Process for Electricity Projects – Category B**

These comments respond to the notice received by Toronto and Region Conservation Authority (TRCA) staff on Wednesday, September 6, 2023 along with supporting presentation materials from the Public Meeting held on October 5, 2023.

OVERVIEW

This project involves efficiency upgrades to the Portlands Energy Centre (PEC) at 470 Unwin Avenue, in the City of Toronto. The Portlands Energy Centre was previously known as the Richard L. Hearn Generating Station on Villiers Island. Upgrading the equipment at the PEC will increase its generating capacity by 50 MW to an output of 600 MW. The efficiency upgrades will be limited to replacing parts of the existing natural gas fired combustion turbines. All upgrade activities will take place within the existing facility and there will be no changes or expansion beyond the existing PEC footprint. Public engagement for this project is planned from June to December 2023 including the release of a Draft Screening Report and 30-day review period, with a Statement of Completion planned to be submitted in February 2024. A listing of documents reviewed is included/provided in Appendix A: Documents Reviewed by TRCA.

A virtual Public Meeting was held on October 5, 2023 where Atura Power provided a presentation including information on the project, proponent, and Environmental Assessment process. Atura Power is undergoing a Screening Stage assessment under the Environmental Screening Process for Electricity Projects subject to Ontario Regulation 116/01. TRCA staff did not attend live but have provided comments on the presentation materials as part of this Notice of Commencement, detailed below.

COMMENTING ROLE

Staff have reviewed the study area associated with this project in accordance with the [Conservation Authorities Act](#), including mandatory commenting on Planning Act and Environmental Assessment Act applications. TRCA undertakes review and commenting functions in accordance with [The Living City Policies](#). For additional information, please see [TRCA Role in the Plan Input and Review Process](#).

TRCA REVIEW

1. TRCA staff have interest within the study area related to both impacts on natural systems, natural hazard management, and mitigating and adapting for the effects of climate change. As the EA progresses and alternatives are reviewed, opportunities to avoid, mitigate, restore, and as a last resort, compensate for impacts to shorelines should be addressed. Additionally, both source water protection and best management practices that support climate change mitigation and adaptation must be considered.
2. Staff have completed the review of this submission and have several comments which are enclosed as Appendix B: TRCA Comments and Proponent Responses. These should be addressed as the EA progresses.
3. Specifically, staff note the following:
 - a. The project is located within the Toronto Waterfront Screening Area. As such, a permit from TRCA is not required.

CONTACT INFORMATION

1. To ensure TRCA concerns are addressed early in the review process, it is recommended that the TRCA planner be contacted when key project milestones are reached, as detailed in the [Recommended TRCA Contact Points in the Municipal Class EA or Other Processes](#).

SUBMISSION REQUIREMENTS, TRCA DATA AND REVIEW FEES

1. Follow the [TRCA Digital Submission Requirements for Environmental Assessment Documents](#) to ensure all required information is provided in future submissions.
2. TRCA has select digital data available through an open data platform on the [TRCA website](#) that should be used to supplement the existing conditions analysis in the development of the environmental assessment.
3. Upon request, TRCA can provide additional data for areas of interest not available on the web. Please contact the undersigned as needed. TRCA charges an administration fee for the compilation of this additional data.

4. This application is subject to a \$ 5,005.00 application review fee as per our [Fee Schedule](#). For payment options, refer to [How to Pay TRCA Review Fees](#). Ensure your accounting department references CFN 69952 when making payment.

Should you have any questions or comments, please contact the undersigned.

Regards,



Jackie Ho
Planner I

Infrastructure Planning and Permits | Development and Engineering Services

Telephone: 437-880-2147

Email: Jackie.Ho@trca.ca

/jh

Attached: Appendix A: Documents Reviewed by TRCA.

Appendix B: TRCA Comments and Proponent Responses

Enclosed: Appendix B: TRCA Comments and Proponent Responses, Word digital file for proponent response purposes

BY E-MAIL

cc: TRCA: Zack Carlan, Senior Planner, Infrastructure Planning and Permits

APPENDIX A: DOCUMENTS REVIEWED BY TRCA

DOCUMENTS REVIEWED

1. Letter; Notice of Commencement of a Screening and Invitation to a Virtual Public Meeting; prepared by Atura Power; dated September 6, 2023; received by TRCA on September 6, 2023;
2. Portlands Energy Efficiency Upgrades, Public Meeting; Presentation; prepared by Atura Power; dated October 5, 2023; received by TRCA on October 6, 2023.

APPENDIX B: TRCA COMMENTS AND PROPONENT RESPONSES
CFN 69952 – Atura Power – Portlands Energy Centre Efficiency Upgrades

ITEM	DISCIPLINE	TRCA COMMENTS (October 31, 2023)	PROPONENT/CONSULTANT RESPONSE (INSERT DATE)
1.	General	TRCA seeks clarification if any work within “existing facilities” extends beyond the building footprint and associated paved areas. If any work is proposed beyond the built and paved areas, consultation with TRCA should be initiated to prevent indirect and/or direct impacts to the nearby wetlands.	
2.		TRCA advises of the Highly Vulnerable Aquifer in this location. Should works require excavation, consultation with TRCA should be initiated.	
3.		TRCA recommends use of erosion and sediment control measures for stockpiling or staging of equipment outside of the building.	
4.	Planning	Be advised that this project is located within the Toronto Waterfront Screening Area and while TRCA will continue to comment on this project throughout the EA process, future permits under the Conservation Authorities Act regulations are not required. Depending on the works that are proposed during detailed design, an application made pursuant to the TRCA Voluntary Project Review process may be recommended by staff. Voluntary Project Review applications are subject to the discretion of the applicant due to the location of the project within the Toronto Waterfront Screening Area.	

Appendix B6: Other Correspondence

From: Muriel Draaisma <muriel.draaisma@cbc.ca>

Sent: Friday, October 6, 2023 1:09 AM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: questions for you

To whom it may concern,

I'm a reporter for CBC Toronto. I can be reached at (647) 203-4199.

I have a few questions following your meeting on Thursday.

1. Is it true that the upgrades to the Portlands Energy Centre will not increase the plant's greenhouse gas emissions?
2. Is it accurate to say that PEC is a natural gas electrical generating station?
3. Was the plant originally scheduled to close in 2029 but now will stay open until 2034?

Thank you very much.

Regards,

Muriel Draaisma

Senior Writer

CBC Toronto

From: Atura Media <media@aturapower.com>

Sent: Friday, October 6, 2023 4:50 PM

To: Muriel Draaisma <muriel.draaisma@cbc.ca>; Atura Media <media@aturapower.com>

Subject: RE: questions for you

Hi Muriel

Thank you for your questions and interest in our proposed Portlands Energy Centre Efficiency Upgrades project.

Here are my answers:

1. Is it true that the upgrades to the Portlands Energy Centre will not increase the plant's greenhouse gas emissions?

Portlands Energy Centre (PEC) emissions concentrations are not expected to change and will continue to remain at or below our permitted emission limits. Our facility's greenhouse gas emissions are specifically correlated to how often we operate and are unrelated to the efficiency upgrades project. The proposed project is expected to lower our greenhouse gas intensity because the upgraded equipment will improve the efficiency where the same amount of fuel can produce more power.

2. Is it accurate to say that PEC is a natural gas electrical generating station?

PEC is a combined-cycle gas turbine electricity generating station.

3. Was the plant originally scheduled to close in 2029 but now will stay open until 2034?

PEC currently has a 20-year Accelerated Clean Energy Supply Contract with the IESO. The contract contains an option to extend the contract term for an additional five years until 2034 to support system reliability and future energy needs.

Best regards,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

From: Oved, Marco <moved@thestar.ca>
Sent: Monday, September 25, 2023 2:31 PM
To: Atura Media <media@aturapower.com>
Cc: Darius Sokal <Darius.Sokal@aturapower.com>
Subject: Media request: Toronto Star gas plant investigation

Hello,

I'm writing because I'm preparing an investigation into the increased use of Ontario's gas "peaker" plants for publication in the Toronto Star.

Using the IESO's hour-by-hour generation data, we were able to determine how many hours every gas plant in the province operates every day.

The results show that far from the 2-5% of the time that was cited at the recent municipal hearings concerning new gas plant proposals, Ontario's gas plant fleet operates far more.

The investigation found:

- Nine of the province's biggest gas plants operated more than 12 and a half hours a day, on average, everyday this year.
- The three GTA gas plants were turned on even more. The Portlands Energy Centre in Toronto, the Goreway Power Station in Brampton and the Halton Hills Generating Station have been in production for an average of at least 13 hours and 30 minutes a day in 2023.
- This summer, the GTA plants were fired up at least 18 hours and 20 minutes, on average, a day. The Portlands plant ran the most: 21 hours a day.
- Contrary to historical trends, which show more peaking plant usage in summer, the Halton Hills plant ran more in the winter (21 hours/day) than it did in the summer (18 hours/day), last year.

I'm reaching out to request comment from Atura, as owners of the Portlands and Halton Hills Plants.

I would like to ask the following questions:

1. How much are you paid per year for capacity, and how much are you paid for generation?
2. Have you informed the people and businesses located near your plants about the health hazards of air pollution produced by them? I plan to mention medical studies showing a link between living close to a gas plant and the development of asthma in children, exacerbation of asthma in people who already have it, as well as increased likelihood of preterm birth and emergency department visits.
3. Do you monitor the emissions of NOx, PM-12 and ozone from your plants? Would you share this data with us?
4. Do you monitor the GHG emissions from your plants? Would you share this data with us?

Any other comment or reaction you could share would be helpful.

My deadline is Wednesday, Sept 27 at 5pm.

Please confirm receipt of this email.

Sincerely,

Marco Chown Oved | Climate Change Reporter | Toronto Star

o: +1-416-869-4892 | c: +1-647-765-1615

[@MarcoOved](#)

Send me an encrypted message via [Signal](#)



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[Subscribe Now](#)

From: Oved, Marco <moved@thestar.ca>

Sent: Thursday, October 5, 2023 7:32 PM

To: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: Updates

Please keep me up to date on developments with this project.

Thanks

Marco Chown Oved | Climate Change Reporter | Toronto Star

o: +1-416-869-4892 | c: +1-647-765-1615

[@MarcoOved](#)

Send me an encrypted message via [Signal](#)

From: Upgrade project for PEC <portlandsupgrade@aturapower.com>

Sent: Wednesday, October 18, 2023 3:06 AM

To: Oved, Marco <moved@thestar.ca>; Upgrade project for PEC <portlandsupgrade@aturapower.com>

Subject: RE: Updates

Hi Marco.

We will add your email address to the project database and email you with updates.

Thank you,

Darius Sokal ([hear it](#))

Sr. Communications Advisor | Atura Power

1415 Joshuas Creek Dr., Unit #101, Oakville, ON L6H 7G4

E: darius.sokal@aturapower.com

M: 289-795-6573

Appendix B7: Notice of Completion

[placeholder]