



# Appendix C Record of Engagement

## **Environmental Review Report**

**York Energy Centre Upgrades Project**

**Capital Power Corporation**

SLR Project No.: 241.030524.00026

July 15, 2024



## List of Attachments

Note to reader:

For navigation purposes, we recommend using the bookmarks available within this document.

*(To view bookmarks, select View > Show/Hide > Navigation Panes > Bookmarks)*

### **Appendix C.1 Project Contact List**

### **Appendix C.2 Project Notices**

### **Appendix C.3 Public Engagement**

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Attachment 2: Public Correspondence

*Ontario Clean Air Alliance*

### **Appendix C.4 Agency Engagement**

Attachment 1: Agency Correspondence Log

Attachment 2: Agency Correspondence

*Ministry of Conservation and Parks (MECP)*

*Ministry of Citizenship and Multiculturalism (MCM)*

*Township of King*

### **Appendix C.5 Indigenous Community Engagement**

Attachment 1: Indigenous Community Correspondence Log





## Appendix C.2 Project Notices

### **Environmental Review Report**

**York Energy Centre Upgrades Project**

**Capital Power Corporation**

SLR Project No.: 241.030524.00026

July 15, 2024

May 4, 2023

Property owner or Occupant

Dear Property Owner or Occupant:

**Re: Notices of Commencement**

We are writing to provide you with information about two projects being proposed by Capital Power in the Township of King. Enclosed you will find the Notices of Commencement issued under the *Environmental Assessment Act* for the following:

1. **York Battery Energy Storage System Project:**  
[capitalpower.com/operations/york-energy-centre-bess](https://capitalpower.com/operations/york-energy-centre-bess)
2. **York Energy Centre Upgrades Project**  
[capitalpower.com/operations/york-energy-centre-upgrade](https://capitalpower.com/operations/york-energy-centre-upgrade)

These projects are proposed in response to the significant need for new power supply in the province, as identified by Ontario's Independent Electricity System Operator (IESO). More information is available on the project websites.

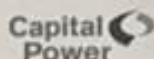
You are receiving these notices because your property is located in proximity to the proposed project location(s). If you are not the owner of the property, we ask that you please share this information with the owner or your property manager.

Please contact us if you have any questions or comments or want to be added to one or both of the project mailing lists.

Sincerely,

Jay Shukin  
Manager, Indigenous & Stakeholder Engagement  
Capital Power  
1-855-703-5005 | [info@capitalpower.com](mailto:info@capitalpower.com)

Capital Power  
18340 Dufferin Street  
Newmarket, ON L3Y 4V9



Capital Power  
1200-10423 151 Street NW  
Edmonton, AB T5H 0E9

May 4, 2023

Property owner or Occupant  
18340 Dufferin Street  
Newmarket, ON L3Y 4V9

Dear Property Owner or Occupant

Re: Notices of Commencement

We are writing to provide you with information about two projects being proposed by Capital Power in the Township of King. Enclosed you will find the Notices of Commencement issued under the Environmental Assessment Act for the following:

1. York Battery Energy Storage System Project  
[capitalpower.com/operators/york-battery-storage](https://capitalpower.com/operators/york-battery-storage)
2. York Energy Centre Upgrades Project  
[capitalpower.com/operators/york-energy-centre-upgrade](https://capitalpower.com/operators/york-energy-centre-upgrade)

These projects are proposed in response to the significant need for new power supply in the province, as identified by Ontario's Independent Electricity System Operator (IESO). More information is available on the project websites.

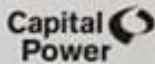
You are receiving these notices because your property is located in proximity to the proposed project location(s). If you are not the owner of the property, we ask that you please share this information with the owner or your property manager.

Please contact us if you have any questions or comments or want to be added to one or both of the project mailing lists.

Sincerely,

Jay Shukin  
Manager, Indigenous & Stakeholder Engagement  
Capital Power  
1-855-703-5055 | [info@capitalpower.com](mailto:info@capitalpower.com)

## NOTICE OF COMMENCEMENT OF AN ENVIRONMENTAL REVIEW



### York Energy Centre Upgrades Project

York Energy Centre LP, a subsidiary of Capital Power Generation Services Inc. (Capital Power) and Manufacturers Life Insurance Company (Manulife), are proposing to undertake equipment upgrades at the existing York Energy Centre (YEC), located at 18281 Dufferin Street, Township of King.

The purpose of this notice is to inform any interested parties that Capital Power is beginning an environmental study to assess the potential environmental effects of the equipment upgrades.

Ontario's Independent Electricity System Operator has identified a significant need for new power supply in the province. This upgrade will provide operational flexibility and approximately 50 megawatts (MW) of additional electricity generating capacity depending on ambient temperature. The upgrade will be limited to the replacement of a cooling oil gas turbine plant with more advanced technology upgrade materials, and/or higher performance parts. Upgrades include power augmentation systems in the form of new air cooling. To accommodate these modifications, gas turbine controls will be updated accordingly. The upgrades would be completed during a regularly scheduled maintenance outage in 2025.

If you have any comments or questions, or to be added to the Project mailing list, please contact:

Jay Shukin  
Manager, Indigenous and Stakeholder Engagement

Phone: 1-855-703-5055

Fax: 703-503-5027

Email: [info@capitalpower.com](mailto:info@capitalpower.com)

Capital Power  
18101 Dufferin Street  
Newmarket, ON  
L3Y 4V9

For more information, please visit our project website at: [capitalpower.com/operators/york-energy-centre-upgrade](https://capitalpower.com/operators/york-energy-centre-upgrade)

#### PLANNING PROCESS

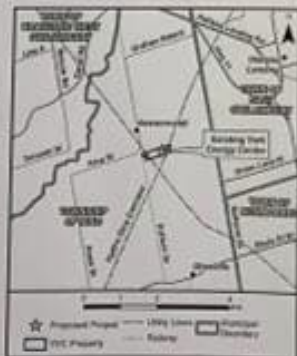
According to Ontario Regulation 1905/1 (the Municipality Projects Regulation) and as described in the Guide to Environmental Assessment Requirements for Electricity Projects (2015), municipalities are a listed gas-fired generating facility. And because the facility's capacity is 5 MW or more are classified as Category B projects and are subject to review under the Environmental Screening Process (ESP).

The ESP has two levels of assessment. Screening Stage and Comprehensive Review Stage. Capital Power intends to voluntarily complete an Environmental Review.

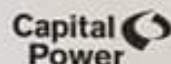
The Environmental Review will assess potential environmental impacts of the equipment upgrades, which are expected to be limited to air and noise emissions. But will never potential emission requirements. The results of the assessment will be documented in an Environmental Review Report that will be made available to the public. The Environmental Review will assess any potential effects of the equipment upgrades but will not be able to evaluate the probability approval operating YEC facility.

#### INVITATION TO PROVIDE COMMENTS

Your input is important to us. We are interested in hearing any questions or feedback you may have with respect to this Project. Comments received throughout the course of this study will inform the Environmental Review process.



## NOTICE OF COMMENCEMENT



### Class Environmental Assessment for Minor Transmission Facilities York Battery Energy Storage System Project

York (Battery) LP, a subsidiary of Capital Power Corporation (Capital Power), is initiating a Class Environmental Assessment for Minor Transmission Facilities (Class EA for MTF) for the proposed installation of a Battery Energy Storage System (BESS) the Project at 18815 Dufferin Street, Township of King.

The existing York Energy Centre (YEC) is located at 18791 Dufferin Street, Township of King, and the proposed BESS would be located on the adjacent but separate property owned by an affiliate of Capital Power.

Ontario's Independent Electricity System Operator (IESO) has identified a significant need for new power supply in the province. The proposed BESS would help meet increasing demand for power supply by providing up to 100 megawatts (MW) of capacity and stored energy that is from the provincial power grid. The BESS will generally be charged during off-peak periods and discharged back to the grid during periods of peak demand.

The Project facility is a large battery (1.1 GWh) in a steel or steel and would be located within the former landfill area and used during construction of the MTF. In addition to the BESS enclosure, components would include related power lines, access roads, parking, stormwater management, and electrical components, including a transformer station. The site perimeter will have levels altered to meet.

#### PLANNING PROCESS

The Project is subject to the Class EA for MTF process (see [capitalpower.com/operators/york-battery-storage](https://capitalpower.com/operators/york-battery-storage)) in accordance with the Ontario Environmental Assessment Act. This is a process for electricity transmission-related projects that do not generate electricity.

Related to selection by the IESO, consultation is anticipated to begin in spring 2024, upon completion of regulatory permitting and approvals.

#### INVITATION TO PROVIDE COMMENTS

Your input is important to us. We are interested in hearing any questions or feedback you may have with respect to this Project. Comments received throughout the course of this study will inform the Class EA process.



If you have any comments or questions, or to be added to the Project mailing list, please contact:

Jay Shukin  
Manager, Indigenous and Stakeholder Engagement

Capital Power  
18101 Dufferin Street  
Newmarket, ON L3Y 4V9

Phone: 1-855-703-5055

Fax: 703-503-5027

Email: [info@capitalpower.com](mailto:info@capitalpower.com)

For more information, please visit our project website at: [capitalpower.com/operators/york-battery-storage](https://capitalpower.com/operators/york-battery-storage)

All project information including environmental, social, and economic impacts will be made available to the public. The results of the assessment will be documented in an Environmental Review Report that will be made available to the public. The Environmental Review will assess any potential effects of the equipment upgrades but will not be able to evaluate the probability approval operating YEC facility.

This notice is for informational purposes only.

**From:** Jay Shukin On Behalf Of [info@capitalpower.com](mailto:info@capitalpower.com)

**Sent:** Thursday, May 4, 2023 12:44 PM

**Cc:** CPC Information <[cpcinfo@capitalpower.com](mailto:cpcinfo@capitalpower.com)>

**Subject:** Notices of Commencement – York Energy Centre Upgrades Project & York Battery Energy Storage System

Hello:

Please find attached two Notices of Commencement per the Ontario *Environmental Assessment Act* for the following projects:

**York Energy Centre Upgrades Project**

We are initiating the Environmental Screening Process for Electricity Projects.

More information at: <https://www.capitalpower.com/operations/york-energy-centre-upgrade>

**York Battery Energy Storage System (BESS)**

We are initiating the Class Environmental Assessment for Minor Transmission Facilities process,

More information at: <https://www.capitalpower.com/operations/york-energy-centre-bess>

Please contact us if you wish to learn more about either of these projects or to set-up a technical briefing with our team.

Regards,

Jay Shukin

Manager, Indigenous & Stakeholder Engagement

Capital Power

1-855-703-5005 | [info@capitalpower.com](mailto:info@capitalpower.com)

This email message, including any attachments, is for the intended recipient(s) only, and contains confidential and proprietary information. Unauthorized distribution, copying or disclosure is strictly prohibited. If you have received this message in error, or are obviously not one of the intended recipients, please immediately notify the sender by reply email and delete this email message, including any attachments. Thank you.



# NOTICE OF COMMENCEMENT OF AN ENVIRONMENTAL REVIEW

## York Energy Centre Upgrades Project



York Energy Centre LP, a subsidiary of Capital Power Generation Services Inc. (Capital Power) and Manufacturers Life Insurance Company (Manulife), are proposing to undertake equipment upgrades at the existing York Energy Centre (YEC), located at 18781 Dufferin Street, Township of King.

The purpose of this notice is to inform any interested parties that Capital Power is beginning an environmental study to assess the potential environmental effects of the equipment upgrades.

Ontario's Independent Electricity System Operator has identified a significant need for new power supply in the province. The upgrades will provide operational flexibility and approximately 50 megawatts (MW) of additional electricity generating capacity depending on ambient temperature. The upgrades will be limited to the replacement of a variety of gas turbine parts with more advanced technology, upgradable materials, and/or higher performance levels. Upgrades include power augmentation systems in the form of inlet air cooling. To accommodate these modifications, gas turbine controls will be updated accordingly. The upgrades would be completed during a regularly scheduled maintenance outage in 2025.

PLANNING PROCESS

According to Ontario Regulation 116/01 (the Electricity Projects Regulation) and as described in the *Guide to Environmental Assessment Requirements for Electricity Projects (2011)*, modifications to a natural gas-fired generating facility that increase the facility's capacity by 5 MW or more are classified as Category B projects and are subject to review under the Environmental Screening Process (ESP).

The ESP has two tiers of assessment: Screening Stage and Environmental Review Stage. Capital Power intends to voluntarily complete an Environmental Review.

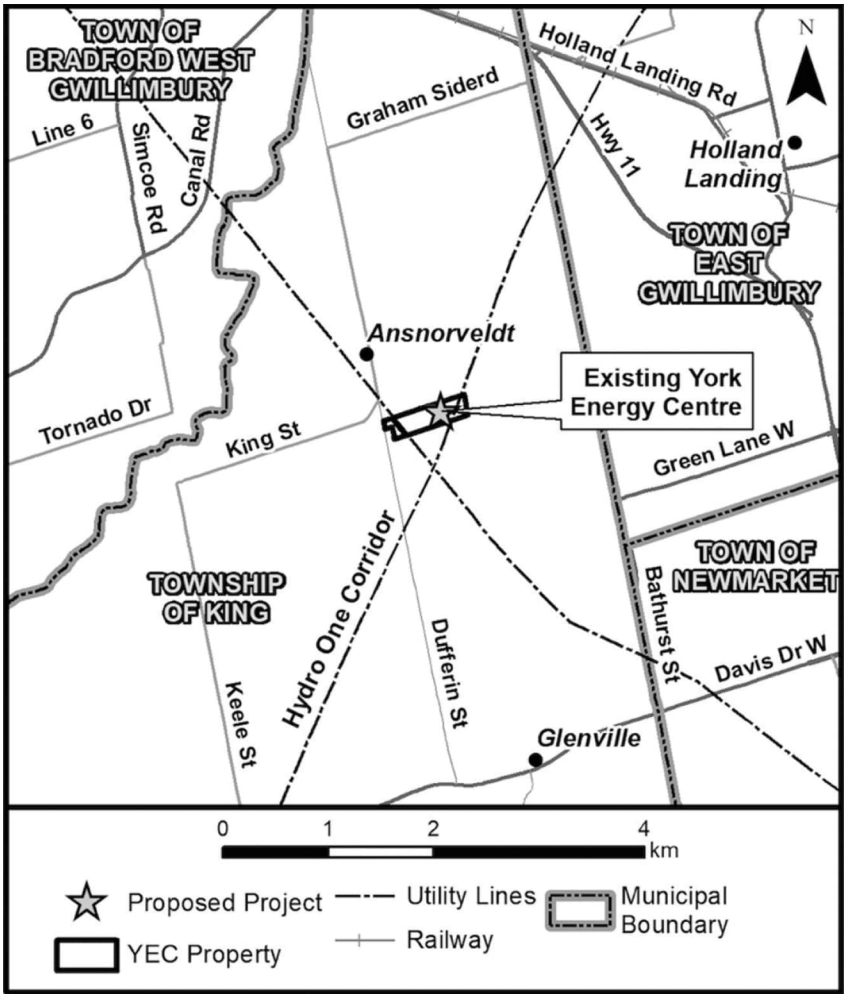
The Environmental Review will assess potential environmental impacts of the equipment upgrades, which are expected to be limited to air and noise emissions that will meet provincial emission requirements. The results of the assessment will be documented in an Environmental Review Report that will be made available for public review. The Environmental Review will assess any potential effects of the equipment upgrades but will not re-evaluate the previously approved, operating YEC facility.

INVITATION TO PROVIDE COMMENTS

Your input is important to us. We are interested in hearing any questions or feedback you may have with respect to this Project. Comments received throughout the course of this study will inform the Environmental Review process.

If you have any comments or questions, or to be added to the Project mailing list, please contact:

Jay Shukin	Phone: 1-855-703-5005
Manager, Indigenous and Stakeholder Engagement	Fax: 780-392-5927
	Email: <a href="mailto:info@capitalpower.com">info@capitalpower.com</a>
Capital Power	For more information, please visit our
18781 Dufferin Street	project webpage at: <a href="http://capitalpower.com/operations/york-energy-centre-upgrade">capitalpower.com/operations/york-energy-centre-upgrade</a>
Newmarket, ON	
L3Y 4V9	





The modern cold-climate air source heat pump seems to many of us hardened Canadians as nothing short of magic. In winter we need heat, and lots of it.

Isn't burning things the best way to get heat? No, not really! There is no magic in a heat pump just a lot of amazing engineering. Even when the outside temperature is -20 degrees, there is in fact still lots of energy in that air. It just does not feel that way to us warm-blooded people.

Imagine if we had a bunch of air at -20 degrees and we want to make it -25 degrees. To do that, we would have to remove energy from the air. If we could put that energy in our house the inside would be warmer (at the cost of the outside being colder). This is the magic!

But none of this is really new, as most of us have at least two heat pumps in our house already. One is our refrigerator and the other is an air conditioner. The job of these two heat pumps is to remove heat (the refrigerator sends it into the kitchen air and the air conditioner sends heat outside).

New technology has allowed heat pumps to actually work in our cold climate. Fifteen years ago, they could only provide heat down to perhaps 0 degrees, which of course does not suit our cold winters. So burning stuff, or heating directly with electricity, were our only heating options. New refrigerant, com-

pressor and fan technologies now mean that many companies (Mitsubishi, Carrier, etc.) can provide whole home heat pumps that perform amazingly well in our climate.

The new systems can pull heat out of our cold winter air with an efficiency of 3 or 4 times the electrical energy needed to run the unit. So 4 times the heat energy into the home for 1 unit of electrical energy. Amazing performance and no emissions are produced in the process. Companies can also provide a form factor called the mini-split which is suitable for heating an individual room.

The next bit of magic is that your cold-climate heat pump runs in reverse in the summer and “presto” you have air conditioning! One unit doing two jobs.

Heat pumps have been popular in Europe and the southern U.S. for a while, but now they are well suited for us northerners.

They are so effective that the Ontario government is providing huge rebates and the federal government offers interest free loans to encourage their installation. Simply put, there is absolutely no reason not to install a unit in Ontario now.

I have comfortably heated my own home for the last three winters with a cold climate heat pump which replaced an old inefficient gas furnace.

One of the best features of these new heat pumps is improved indoor air



quality and comfort. Instead of cycling on and off like a gas furnace, the heat pump tends to run at a low rate almost continuously. That means the air in the house gets turned over and filtered more often. Indoor air quality is something many of us do not think much

about.

On May 17 at 7 p.m. come to the King City Seniors' Centre to hear about how they work, financing opportunities and get answers to your questions from the experts. Visit [www.climateactionking.ca](http://www.climateactionking.ca) for more details about the event.

The Ontario government is one step closer to getting shovels in the ground on the Yonge North Subway Extension. The province issued a Request for Qualifications (RFQ) for the Advance Tunnel Contract, marking a significant milestone in its plan to reduce gridlock, connect people to jobs and make travel between York Region and Toronto faster and easier.

“The Yonge North Subway Extension is a critical project for York Region that will provide much-needed access to reliable public transit and connect more people to major employment centres in Markham, Vaughan and Richmond Hill,” said Caroline Mulroney, Minister of Transportation. “Together with our partners in Ottawa, York Region and

the City of Toronto, we're demonstrating real progress to make this project a reality and delivering on our plan to build a strong Ontario."

The Advance Tunnel Contract includes designing the tunnels and building the launch and extraction shafts that will be used for the tunnel boring machines. It also includes the design and construction of headwalls for stations and emergency exit buildings. To deliver the new subway as quickly as possible, tunnelling will begin first, followed by a separate contract to build the stations, rail and systems.

“Partnerships are key to delivering major projects like the Yonge North Subway Extension,” said the Honourable Mary Ng, Minister of Small Business,

Export Promotion and International Trade, on behalf of the Honourable Dominic LeBlanc, Minister of Intergovernmental Affairs, Infrastructure and Communities. “Our Government will continue to work collaboratively with the Government of Ontario to get transit built in the GTA and across the province.”

Early work on the Yonge North Subway Extension is currently underway at Finch Station, where workers are making upgrades to accommodate the future subway service. Once complete, the approximately eight-kilometre extension will accommodate over 90,000 daily trips, connect more people to jobs, and bring faster transit to more communities across York and Toronto.

“The Yonge North Subway Extension remains the top transportation priority for York Regional Council and we are pleased to be working in partnership with the Province of Ontario to take additional steps to move this project forward,” said Wayne Emmerson, York Region Chairman and CEO. “A project of this magnitude has far-reaching benefits for local jobs, the economy, environment and travellers. York Region welcomes the Ontario government’s commitment to get shovels into the ground on this critical project and support the growth of our communities today and in the future.”

The extension will cut the distance travelled by personal vehicles by 7,700 kilometres during rush hour.

# York Energy Centre Upgrades Project

York Energy Centre LP, a subsidiary of Capital Power Generation Services Inc. (Capital Power) and Manufacturers Life Insurance Company (Manulife), are proposing to undertake equipment upgrades at the existing York Energy Centre (YEC), located at 18781 Dufferin Street, Township of King.

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According to Ontario Regulation 116/01 (the Electricity Projects Regulation) and as described in the *Guide to Environmental Assessment Requirements for Electricity Projects* (2011), modifications to a natural gas-fired generating facility that increase the facility's capacity by 5 MW or more are classified as Category B projects and are subject to review under the Environmental Screening Process (ESP).

The ESP has two tiers of assessment: Screening Stage and Environmental Review Stage. Capital Power intends to voluntarily complete an Environmental Review.

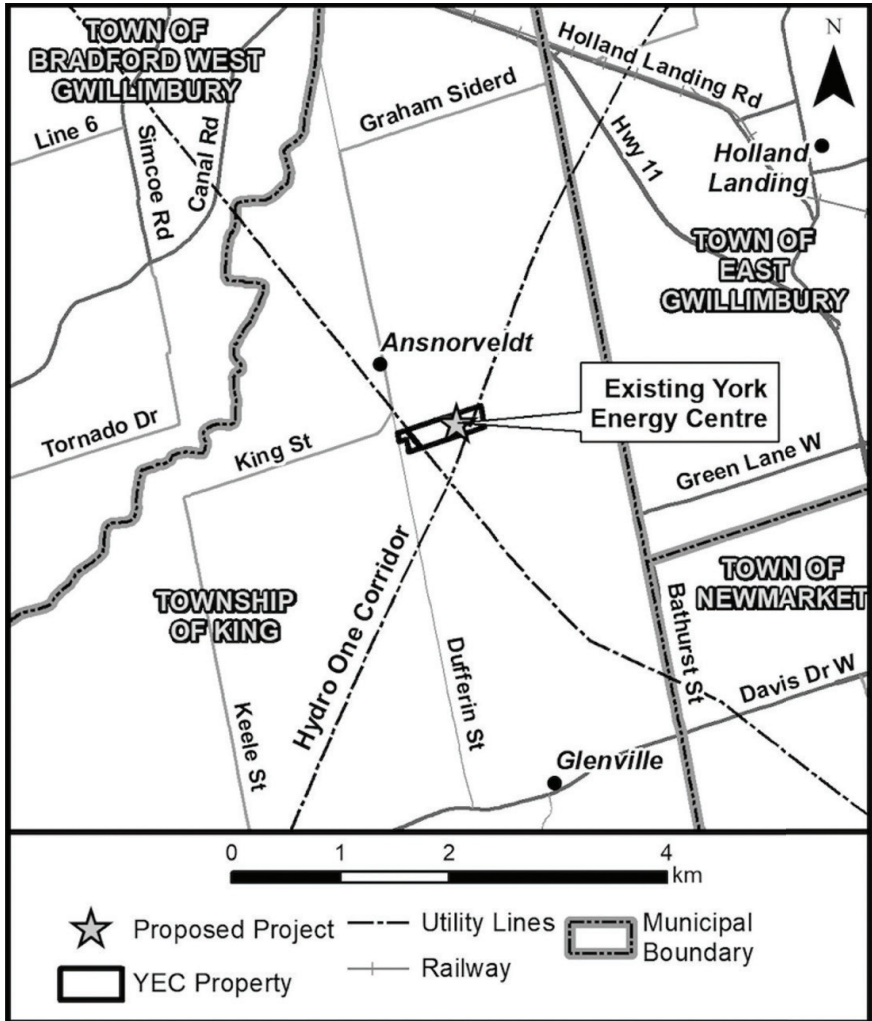
The Environmental Review will assess potential environmental impacts of the equipment upgrades, which are expected to be limited to air and noise emissions that will meet provincial emission requirements. The results of the assessment will be documented in an Environmental Review Report that will be made available for public review. The Environmental Review will assess any potential effects of the equipment upgrades but will not re-evaluate the previously approved, operating YEC facility.

Your input is important to us. We are interested in hearing any questions or feedback you may have with respect to this Project. Comments received throughout the course of this study will inform the Environmental Review process.

This notice published: May 2023.

**MENT OF  
VIEW**

**Capital  
Power** 





# NOTICE OF COMPLETION OF AN ENVIRONMENTAL REVIEW REPORT

## Proposed York Energy Centre Upgrades Project

Capital Power Corporation (Capital Power), through its affiliate York Energy Centre L.P., is proposing equipment upgrades at the existing York Energy Centre (YEC), located at 18781 Dufferin Street, Township of King.

The purpose of this notice is to inform interested parties that Capital Power has completed an environmental review to assess the potential environmental effects of the proposed equipment upgrades (the Project).

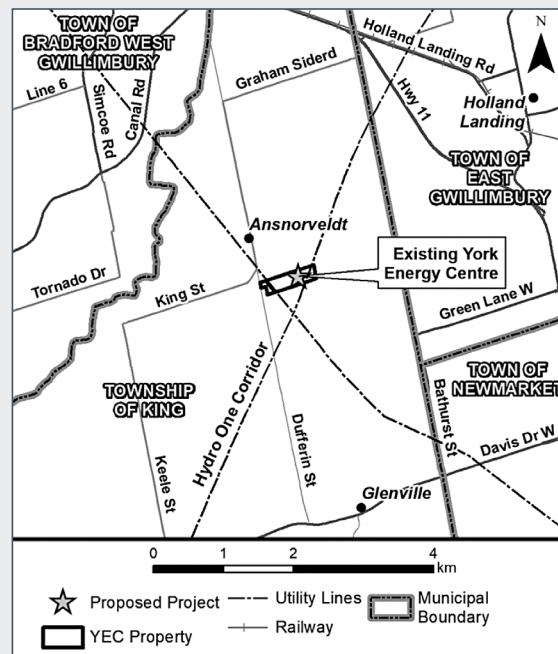
The proposed Project is contracted with Ontario's Independent Electricity System Operator (IESO) and would provide approximately 30 megawatts (MW) of additional electricity generating capacity, which is reflective of an approximate 7% increase in generating capacity. The proposed modifications of the YEC include:

- installation of a turbine upgrade package that will increase operational performance and reduce emissions of nitrogen oxides (NOx);
- installation of an inlet fogging system;
- installation of larger transformer cooling fans; and
- adjustments to control logic.

The Project will result in improved efficiency, increased generation capacity and reduced NOx emissions at the YEC. The upgrades would be completed during regularly scheduled maintenance outages in 2025.

### Environmental Screening Process for Electricity Projects

The Project is subject to the Ministry of the Environment, Conservation and Parks's (MECP's) Environmental Screening Process for Electricity Projects (ESP), in accordance with Ontario Regulation (O. Reg.) 50/24 under the *Environmental Assessment Act* and as described in the *Guide to Environmental Assessment Requirements for Electricity Projects* (2024). At the time of Project commencement in May 2023, O. Reg. 116/01 was in effect but has since been revoked by the Government of Ontario, and the Project is now subject to O. Reg. 50/24.



The ESP has two tiers of assessment: Screening Stage and Environmental Review Stage. Capital Power has voluntarily completed the Environmental Review Stage and has prepared an Environmental Review Report (ERR) to document the assessment of potential environmental effects of the Project, which are limited to minor changes in air and noise emissions during operation. Capital Power intends to proceed with the Project subject to the receipt of other approvals.

### Invitation to Provide Comments

The ERR is now available for public review and comment for 30-calendar days from **July 18, 2024 to August 19, 2024**.

The ERR can be viewed on the project website at: [www.capitalpower.com/operations/york-energy-centre-upgrade](http://www.capitalpower.com/operations/york-energy-centre-upgrade)

A hard copy of the ERR can also be viewed during regular business hours at the Newmarket Public Library (Customer Service Desk) at 438 Park Avenue, Newmarket.



### Questions or comments on the ERR should be directed to:

Lawrence Nasen  
Senior Specialist, Environment

Capital Power  
18781 Dufferin Street  
Newmarket, ON L3Y 4V9  
Email: [info@capitalpower.com](mailto:info@capitalpower.com)

If environmental concerns about the Project cannot be resolved in discussion with Capital Power, a written request to elevate the project to a Comprehensive Environmental Assessment can be made to the MECP before the end of the 30-day review period (August 19, 2024). Elevation requests must be submitted to the Minister, copying the Director of the Environmental Assessment Branch and Capital Power:

Minister  
Ministry of the Environment,  
Conservation and Parks  
777 Bay St., 5<sup>th</sup> Floor,  
Toronto, ON M7A 2J3  
Email: [minister.mecp@ontario.ca](mailto:minister.mecp@ontario.ca)

Director, Environmental Assessment Branch  
Ministry of the Environment,  
Conservation and Parks  
135 St. Clair Ave. W., 1<sup>st</sup> Floor,  
Toronto, ON M4V 1P5  
Email: [EABDirector@ontario.ca](mailto:EABDirector@ontario.ca)

Elevation requests must be made in accordance with the provisions set out in the Environmental Screening Process for Electricity Projects. For more information on elevation requests, refer to Section B.4.1.1 here: [www.ontario.ca/page/guide-environmental-assessment-requirements-electricity-projects](http://www.ontario.ca/page/guide-environmental-assessment-requirements-electricity-projects)

[capitalpower.com](http://capitalpower.com)

Comments and personal information submitted as part of 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. For more information, please contact MECP's Freedom of Information and Privacy Coordinator.  
This notice first published: July 18, 2024

