

Appendix G

Project Notices and Materials



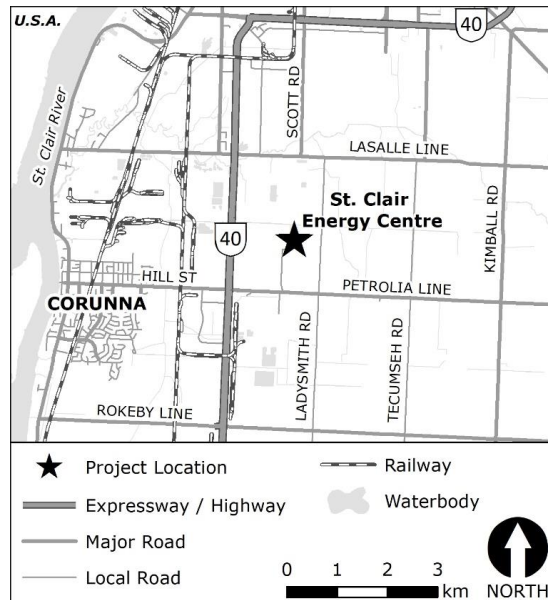
NOTICE OF COMMENCEMENT AND INFORMATION SESSION

PROJECT COMMENCEMENT & INFORMATION SESSION FOR THE PROPOSED UPGRADE AND EXPANSION OF THE ST. CLAIR ENERGY CENTRE – ENVIRONMENTAL ASSESSMENT

THE PROJECT

Invenergy is a leading privately held, global developer and operator of sustainable energy solutions. With electricity demands in Southern Ontario anticipating to grow significantly over the next several years, St. Clair Energy Centre, owned and operated by St. Clair Power, L.P., an affiliate of Invenergy, is proposing to expand the nameplate capacity of the existing facility located in St. Clair Township, Ontario. At this time, the proposed expansion to the facility will include the following projects:

- 1: (Upgrade) Increase plant capacity through process improvements and equipment upgrades. Requiring no physical expansion of the plant, this scenario results in approximately an additional 60 megawatts (MW) of generating capacity.
- 2: (Expansion) Addition of a new gas turbine(s), or reciprocating engines, to achieve a total of approximately 100-120 MW of additional capacity. This would require the expansion of the plant footprint and other upgrades to infrastructure.



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INVITATION TO INDIGENOUS COMMUNITIES, STAKEHOLDERS, AND THE PUBLIC

Indigenous engagement and stakeholder and public consultation is a key component of this study. We are hosting a Virtual Information Session for Indigenous communities, stakeholders, and the public to provide you with an opportunity to review the project and provide input that will be considered in the preparation of the ERR. The information will be posted online beginning **December 8th 2022 and be available for a period of two weeks ending December 22nd 2022.** The website will also have tools available to provide comments. If you cannot access the Information Session and are interested in participating, please contact a project representative using the information provided below. The session will also be recorded for viewing once it is complete.

PROJECT CONTACT INFORMATION:

info@stclaireenergycentre.com

416-229-4647 ex 2374

Joe Muraca, EA Project Manager, Dillon Consulting Limited
Michael Enright, Manager, Renewable Development, Invenergy

When and Where:

DECEMBER 8, 2022

www.stclaireenergycentre.com

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Sting upset after blowout

Flint scores 10 goals in shutout win

MARK MALONE

'Tis the season for heartwarming Christmas movies, but the Sarnia Sting will be watching a horror flick instead.

Head coach Alan Letang is going to make them sit through a replay of Saturday's 10-0 road loss to the Flint Firebirds.

"They've got to take the good with the bad," Letang said. "We didn't have our top players show up tonight and that was evident."

The Firebirds led only 2-0 after the first period. They turned the game into a rout with five goals in the second before a crowd of 2,533 at the Dort Financial Center.

The players know their effort was unacceptable, Letang said, but he's still going to make them rewatch their worst loss of the season.

"It's a good group," he said. "It's not that they're fluffing this off. They're probably as upset as I am about the game and that's a good thing, but they still have to see it and be accountable for it."

The list of highlights is a short one.

"The positives (are) that we had a 16-year-old defenceman (Lukas Fischer) that was the best player on the ice and that a 17-year-old kid (Angus MacDonell) stood up for the whole team and had a fight," Letang said.

The game went downhill

quickly. Tyler Deline beat netminder Ben Gaudreau only 1:33 into the first period.

One night after allowing a total of 22 shots in a 4-1 loss to the Saginaw Spirit, the Sting gave up 21 in the first period to the Firebirds.

"We weren't ready to play going in," Letang said. "The first goal I thought was horrible. Benny would probably say the same thing. I think he holds himself just as accountable as the players do."

"We rally together, we pull together, we'll stick up for each other. We'll be better next week. I know we'll be better next week."

The Sting will host the Oshawa Generals at 7:05 p.m. Friday and the Barrie Colts at 2:05 p.m. Sunday at Progressive Auto Sales Arena. They'll also visit Saginaw on Saturday.

The Sting again had six regulars out of the lineup in Flint. Letang had no update on when any injured players would be back.

"The only help we have is the help that's in our dressing room that puts their skates on every night," he said.

Ethan Ritchie can return Friday after serving his two-game suspension, but fellow blue-liners Ryan Mast, Chandler Romeo, Carson Campbell and Josh Hoover remain injured or ailing. Top goal-scorer Nolan Burke has also missed the last four games with an injury.

Amadeus Lombardi and Simon Slavicek each scored twice for the Firebirds, who went 4-for-9 on the power play. The Sting were 0-for-3.

The Sting allowed six power-play goals in the back-to-back losses. In the past six games, opponents are scoring on 40 per cent (10-of-25) of their power plays.

Zacharie Giroux, Gavin Hayes, Ethan Hay, Daks Klinkhammer and Reed Gee also scored. Will Cranley had a 20-save shutout.

Gaudreau gave up seven goals on 32 shots in two periods. Nick Surzycia allowed three more goals on 16 shots in the third.

The Sting dressed only five defencemen, so forward Marko Sikic was on the blue-line again. Forward Zach Filak was also moved to defence in the third period.

Fischer was the best of the bunch despite playing in only his sixth game in the Ontario Hockey League.

"He was poised with the puck," Letang said. "I thought he used his feet to create space. I thought he tried to play physical. All the little things we talk about. He made a great first pass on breakouts."

"He showed some compete, he showed some maturity for a 16-year-old kid that's caught up in a 9-0 game. ... He handled it well. He should be proud of his game even though it's hard to be in a game when you lose like that, but he should take a lot of the positives out of that."

The Sting (12-8-3-1) are tied for third in the West Division with the Windsor Spitfires, one point behind the Firebirds and seven back of the Spirit. The Sting also rank sixth in the Western Conference in winning percentage.

Black, Jones best in Canada

Runners win cross-country gold

MARK MALONE

Two local runners won gold at the Canadian cross-country championships Saturday in Ottawa.

Connor Black of Forest won the open men's division and Gabby Jones of Sarnia won the under-18 girls' division.

Black, 26, pushed the pace from the start with a group that included three of his Bandits Elite teammates. He broke away from the field with defending champi-

It's a talented group and we've been hungry this year

on John Gay at the six-kilometre mark and went on to win the 10-kilometre race in 29:38.

Black also led Bandits Elite, a branch of the London Western Track & Field Club, to the team title after they'd placed third last year.

"It's a talented group and we've been hungry this year," Black said to Athletics Canada. "We got our doors blown off us last year and

we were yapping a lot last year. We were like, 'OK, it's time to go back to work.'

"We've been having a great season."

Black was 10th at the 2021 Canadian championships and won bronze in 2019. He was the USports individual champion in 2018.

Jones won her four-kilometre race in 14:50 by blowing past defending champion Ruby Broadbent in the final 200 metres.

Jones said she had a reserve of energy at the end after running six-kilometre races all season.

"I just tried to... keep strong, keep a good mental attitude throughout the race," she told Athletics Canada. "Keep that positive mindset, I think, is the biggest thing."

Jones won an individual gold medal at the OFSAA championship earlier this month while helping the Northern Vikings win the senior girls' team bronze.

Sarnia's Andrew Davies won silver with the Harbour Track Club from Hamilton in the open men's division with his sixth-place finish in 30:12. Sarnia's Shawn Master of the champion Bandits Elite was 51st.

Davies also won gold as part of the Team Ontario men's squad.

Black and Davies are expected to be named soon to Team Canada for the NACAC championships Jan. 21 in San Salvador, El Salvador.

Black has also qualified for the world championships in Australia on Feb. 18 in Bathurst, New South Wales. Davies has a chance to wear the Maple Leaf there as well.

Sarnia's Ryan Davies won bronze with the London Western Track & Field Club in the under-18 boys' division. He was 58th overall after being ill recently.

Charlie Shaw and Rebecca Haney of the Sarnia Athletics Southwest Track & Field Club also competed. Shaw was 37th in the under-18 boys' race and Haney was 74th in the under-18 girls' race.

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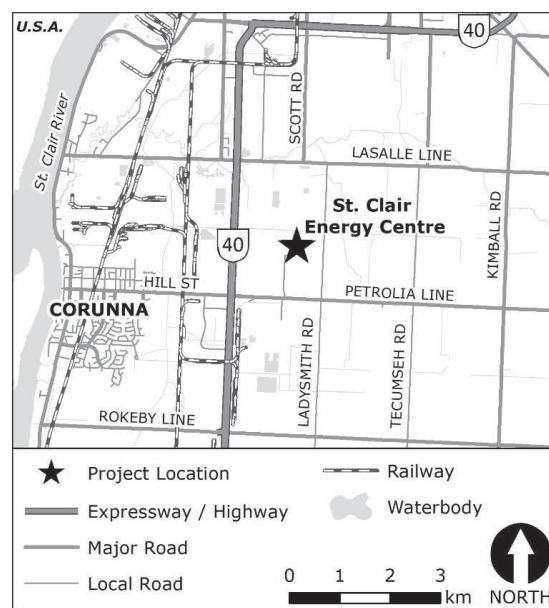
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Nursing program celebrated at Lambton College open house

Bluewater Health will offer placements under new program

TYLER KULA

Lambton College held a launch party for its new four-year registered nursing degree program Saturday.

A few dozen people, including prospective students, listened as college officials described the concepts, critical thinking and clinical judgment-focused degree starting next September, amid blue ribbons, a balloon and a pinata.

Pivoting to a Sarnia-only program from one where students split time at the college and at the University of Windsor is important for a number of reasons, nursing professor Liz Seabrook said.

“Probably the main one is there’s a demand in our community for nurses,” she said.

Under the existing program — to be phased out as the new one takes effect — students complete their placements in Windsor and are less likely to stay in Sarnia, she said, “so we’ve lost those opportunities here for them.”

Bluewater Health and various community agencies in Sarnia will offer placements under the new program, she said.

Bluewater Health and others were also helpful in designing the program, made possible after Ontario changed the rules in 2020 to allow provinces to offer nursing degrees without university partners, she said.

Having leaders and critical thinkers who can think on their feet is key, Seabrook said she heard from a committee on the program’s



Lambton College nursing professor Liz Seabrook speaks at a launch party Saturday for the college’s four-year registered nursing degree, beginning next September. The event was part of the college’s fall open house. TYLER KULA

development.

Bluewater Health representatives were also at the launch, part of the college’s annual fall open house that was expected to draw 400 to 500 prospective students after being on hold since 2019 amid COVID-19.

“We do need more nurses,” said Bluewater Health chief nursing executive Shannon Landry, adding the Sarnia-area hospital group “will be committed to finding placements for those students at the hospital.”

The hospital group also had a

booth at the open house to show jobs in health care are in high demand, she added.

“We’re going to need multiple classes of graduates to fill the need, just in our own community,” Seabrook said.

A bridging program is also planned to launch in 2024 at Lambton for registered practical nursing graduates to transition “into the (registered nursing) role if they so choose,” she said.

A college spokesperson clarified students entering the program will take a unique year and then the last two years of the bachelor of science in nursing program.

Also at the open house were guided tours, help with applications, and presentations from petrochemical company representatives about trades and technology.

“How important they are to the pipeline of employment here in Sarnia-Lambton, as well as all over the province,” college spokesperson Diana Forbes said.

It was exciting to welcome a swell of people to the college, she said.

“We’ve been finding students this year are doing their research online before they come,” she said. “They’re very familiar with Lambton College and what we stand for, and we’re just happy to have them here.”

The fall open house geared to prospective students is different from an open house held in the spring that’s more about inviting the community to see what’s happening at the college, she said.

An in-person version of that open house also returned earlier this year from a hiatus amid COVID-19.

tkula@postmedia.com

Sarnia’s Walk a Mile held to help domestic violence survivors

TYLER KULA

About 100 people walked behind a bagpiper through Lambton Mall Saturday in the eighth annual Walk a Mile fundraiser, bringing attention to the work Sarnia-Lambton’s Women’s Interval Home does helping women and children fleeing domestic violence.

The event, which last year raised \$18,000 for the agency’s emergency shelter and programs, was targeting \$10,000 this year, said Josephine Ethier, fundraising and marketing co-ordinator with the home, “and I think we’ve definitely hit \$20,000.”

Posters throughout the mall that featured the pictures and stories of survivors were put up as part of this year’s campaign and are staying for the next six weeks as a reminder survivors are people in the community, she and Dorian Noble, vice-chair of the home’s board of directors, said.

“These people that need our services are standing right beside you,” Ethier said. “They’re regular people.”

Sponsored footprints leading to each poster also encourage donations, while various stores in the mall are giving people the option to donate while checking out until the campaign ends during the week of Jan. 1, Noble said.

“So this isn’t something that ends today,” she added.

The Women’s Interval Home is more than just a shelter and has plans to expand into more educational and preventative programs, she and Ethier said.

“We’re about making sure that this cycle doesn’t begin rather than having to help people on the backside of it,” Noble said.

Sponsors throughout the mall also helped with the event. “We really need these funds,”



Board vice-chair Dorian Noble, left, and fundraising and marketing co-ordinator Josephine Ethier with the Women’s Interval Home of Sarnia-Lambton pose at Lambton Mall during the home’s Walk a Mile event Saturday. TYLER KULA

Noble said. “We’re only government funded to a certain amount.”

She also talked about the need for more affordable and transitional housing in the community, and said no one should be ashamed if they need the agency’s services.

“We’re here to help you,” she said.

The non-profit charitable organization was established in 1977 to provide emergency shelter and counselling services for abused women and their children in the Sarnia area.

Its 10-room home can shelter up to 17 people, including children.

More details are available at womensintervalhome.com, and a 24-hour crisis line is 1-800-265-1412.

tkula@postmedia.com

With files from Paul Morden

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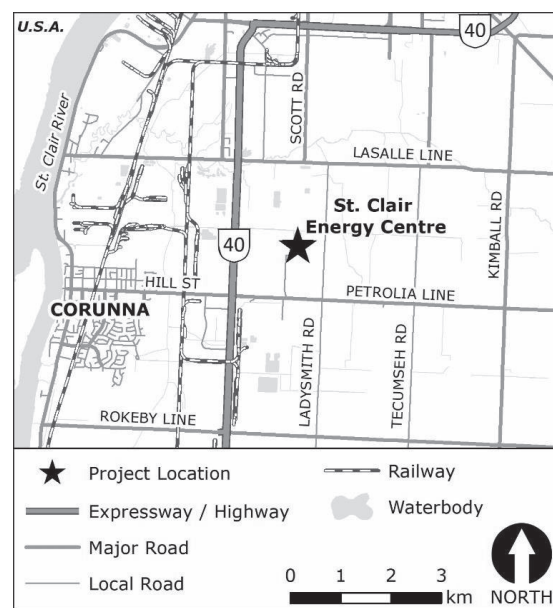
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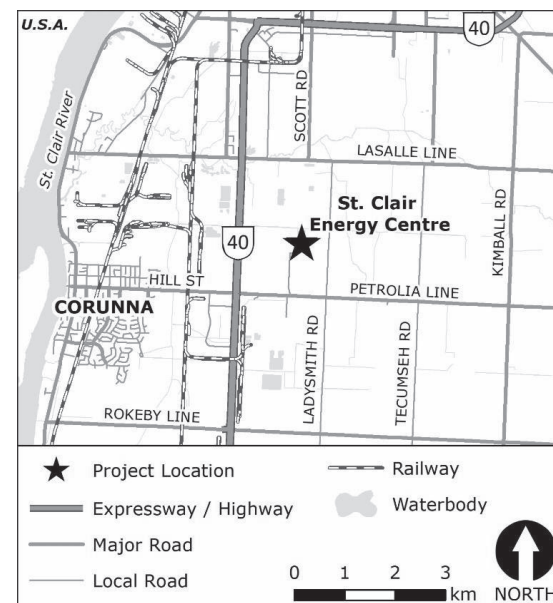


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November 23, 2022

Carlie McClemens
St. Clair Township
Mooretown, N0N 1M0

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

Dear Carlie McClemens:

The purpose of this letter is to inform you that the St. Clair Energy Centre, owned and operated by St. Clair Power, L.P., an affiliate of Invenergy, is proposing to expand the capacity of the existing facility located in St. Clair Township, Ontario (the "Project"). Invenergy will be completing an Environmental Review Report for this Project.

The Project Team would like to inquire about specific information within your mandate. Specifically, we are requesting information with respect to what permits would be required towards approval of the Project. We would prefer to receive any available information in a digital format if available via email to the undersigned.

Additional project details are included in Attachment 1 and we encourage you to visit the project website at www.stclaireenergycentre.com for updates as the Project progresses. We would also invite you to participate in our Open House which will be held virtually beginning on December 8th, 2022. The web address above will have a link to the virtual session.

Please contact the undersigned if you have any questions regarding the project, or would like information regarding next steps.

Sincerely,

DILLON CONSULTING LIMITED

Joe Muraca
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Manager, Renewable Development
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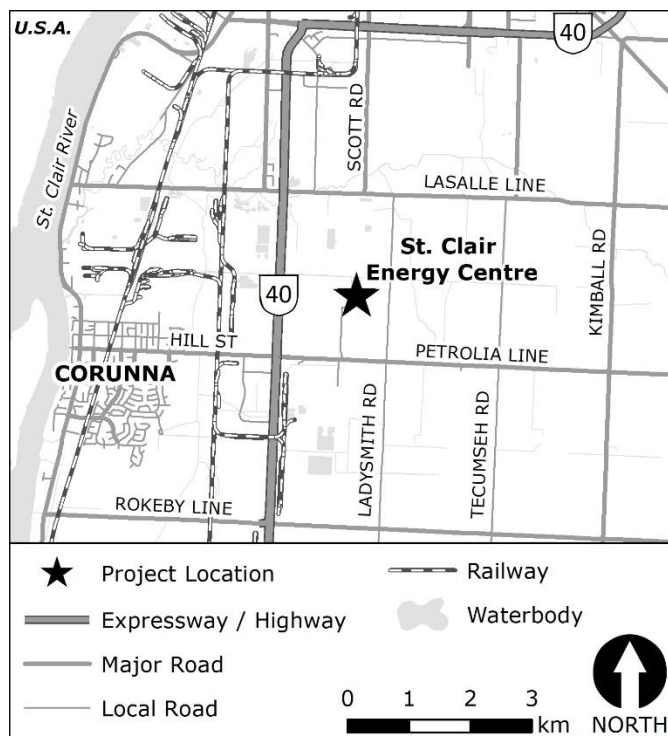
**Dillon Consulting
Limited**



ATTACHMENT 1: PROJECT OVERVIEW

1.0 – Project Summary

The St. Clair Energy Centre, which is a combined-cycle natural gas turbine generation facility with a name plate capacity of 584 megawatt (MW), achieved commercial operation in 2009. The facility is located at 790 Petrolia Line, Corunna, Ontario in St. Clair Township (see Figure below). Power generated from the facility is interconnected the provincial 230 kilovolt (kV) electrical transmission network through an onsite transformer station. An Environmental Review Report (ERR) was completed for the facility in 2006 and Environmental Compliance Approvals exist for the operation of the facility.



Invenergy is proposing to expand the nameplate capacity of the existing St. Clair Energy Centre, with the following projects:

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2.0 – Authorizations and Approvals Required

An ERR will be prepared for the Project. The ERR will identify potential project effects, mitigation, and the potential authorizations required. Invenenergy's preliminary work on the Project has identified the following potential authorizations:

Provincial Approvals:

- Ministry of the Environment, Conservation and Parks
- St. Clair Region Conservation Authority

Municipal Approvals:

- St. Clair Township

Other Approvals:

- Electrical Safety Association
- Technical Standards and Safety Association

The above preliminary list of potential authorizations, notifications, permits and/or approvals may be modified as new information is acquired through the environmental assessment process.

3.0 Project Activities

Planning and design activities for the Project commenced in the second and third quarter of 2022. Pursuant to *The Guide to Environmental Assessment Requirements for Electricity Projects* (the Guide), an ERR will be prepared and archaeological studies will be completed. Engineered drawings will be produced with the final design issued to local municipalities and other regulators for approval. Once all approvals are obtained final engineered drawings will be prepared for construction. Invenenergy is planning to submit permits to agencies and is looking towards anticipated approval of the Project in late 2023 and into early 2024.



4.0 Potential Environmental Effects and Mitigation

The area in which the Project is to be constructed is already within the perimeter of the lands controlled by the energy facility. It is expected that the majority of adverse environmental and/or socio-economic effects will be construction related. The ERR will also provide an assessment of potential effects and propose mitigation for the operation of the facility.

Mitigation measures recommended in the ERR will be followed and align with professional judgement, industry experience, and best practices. In addition, relevant feedback received through the engagement process will be incorporated into the design, construction, and operation of the facility.

5.0 Project Benefits

If successful, the Project will allow Invenergy to contribute to the needed increase in power supply called for by the IESO and the Provincial government in the 2025-2026 calendar years.

6.0 Contact Information

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416-678-1279
info@stclaireenergycentre.com

Michael Enright
Manager, Renewable Development
Invenergy
416-453-0975



November 23, 2022

Deanna Lindblad
Ministry of Natural Resources and Forestry
Aylmer, N5H 2S8

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

Dear Deanna Lindblad:

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The Project Team would like to inquire about specific information within your mandate. Specifically, we are requesting information with respect to Species and Habitats at Risk and what respective permits would be required towards approval of the Project. We would prefer to receive any available information in a digital format if available via email to the undersigned.

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- 2: (Expansion) Addition of a new gas turbine(s), or reciprocating engines, to achieve a total of approximately 100-120 MW of additional capacity. This would require the expansion of the plant footprint and other upgrades to infrastructure.

2.0 – Authorizations and Approvals Required

An ERR will be prepared for the Project. The ERR will identify potential project effects, mitigation, and the potential authorizations required. Invenergy's preliminary work on the Project has identified the following potential authorizations:

Provincial Approvals:

- Ministry of the Environment, Conservation and Parks
- St. Clair Region Conservation Authority

Municipal Approvals:

- St. Clair Township

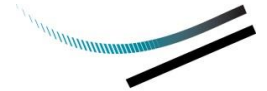
Other Approvals:

- Electrical Safety Association
- Technical Standards and Safety Association

The above preliminary list of potential authorizations, notifications, permits and/or approvals may be modified as new information is acquired through the environmental assessment process.

3.0 Project Activities

Planning and design activities for the Project commenced in the second and third quarter of 2022. Pursuant to *The Guide to Environmental Assessment Requirements for Electricity Projects* (the Guide), an ERR will be prepared and archaeological studies will be completed. Engineered drawings will be produced with the final design issued to local municipalities and other regulators for approval. Once all approvals are obtained final engineered drawings will be prepared for construction. Invenergy is planning to submit permits to agencies and is looking towards anticipated approval of the Project in late 2023 and into early 2024.



4.0 Potential Environmental Effects and Mitigation

The area in which the Project is to be constructed is already within the perimeter of the lands controlled by the energy facility. It is expected that the majority of adverse environmental and/or socio-economic effects will be construction related. The ERR will also provide an assessment of potential effects and propose mitigation for the operation of the facility.

Mitigation measures recommended in the ERR will be followed and align with professional judgement, industry experience, and best practices. In addition, relevant feedback received through the engagement process will be incorporated into the design, construction, and operation of the facility.

5.0 Project Benefits

If successful, the Project will allow Invenergy to contribute to the needed increase in power supply called for by the IESO and the Provincial government in the 2025-2026 calendar years.

6.0 Contact Information

Joe Muraca
EA Project Manager
Dillon Consulting Limited
416-678-1279
info@stclaireenergycentre.com

Michael Enright
Manager, Renewable Development
Invenergy
416-453-0975



November 23, 2022

Sean Morrison
Ministry of the Environment, Conservation and Parks
Sarnia, N7S 1P1

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

Dear Sean Morrison:

The purpose of this letter is to inform you that the St. Clair Energy Centre, owned and operated by St. Clair Power, L.P., an affiliate of Invenergy, is proposing to expand the capacity of the existing facility located in St. Clair Township, Ontario (the "Project"). Invenergy will be completing an Environmental Review Report for this Project.

The Project Team would like to inquire about specific information within your mandate. Specifically, we are requesting information with respect to water usage and waste management along with what respective permits would be required towards approval of the Project. We would prefer to receive any available information in a digital format if available via email to the undersigned.

Additional project details are included in Attachment 1 and we encourage you to visit the project website at www.stclaireenergycentre.com for updates as the Project progresses. We would also invite you to participate in our Open House which will be held virtually beginning on December 8th, 2022. The web address above will have a link to the virtual session.

Please contact the undersigned if you have any questions regarding the project, or would like information regarding next steps.

Sincerely,

DILLON CONSULTING LIMITED

Joe Muraca
EA Project Manager
Dillon Consulting Limited
416-678-1279
info@stclaireenergycentre.com

Michael Enright
Manager, Renewable Development
Invenergy
416-453-0975

235 Yorkland Blvd
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North York, Ontario
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M2J 4Y8
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416.229.4646
Fax
416.278.3270

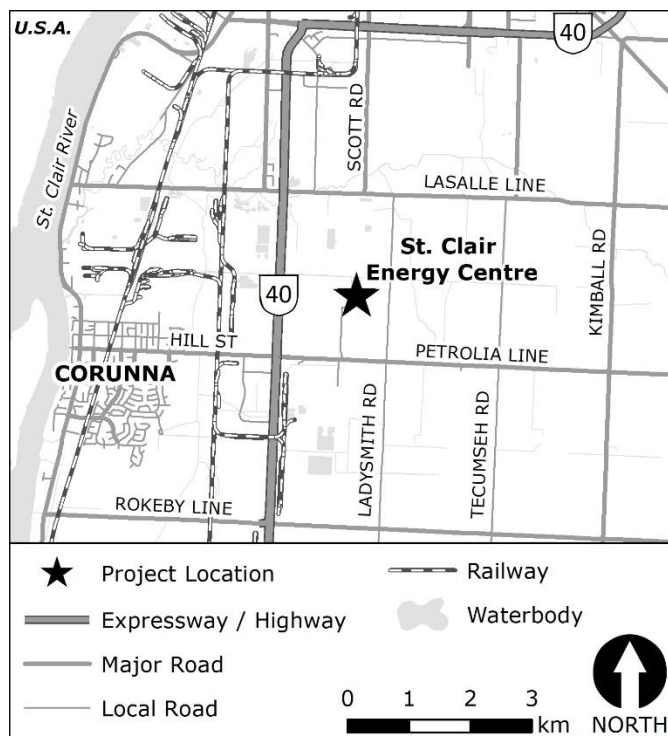
**Dillon Consulting
Limited**



ATTACHMENT 1: PROJECT OVERVIEW

1.0 – Project Summary

The St. Clair Energy Centre, which is a combined-cycle natural gas turbine generation facility with a name plate capacity of 584 megawatt (MW), achieved commercial operation in 2009. The facility is located at 790 Petrolia Line, Corunna, Ontario in St. Clair Township (see Figure below). Power generated from the facility is interconnected the provincial 230 kilovolt (kV) electrical transmission network through an onsite transformer station. An Environmental Review Report (ERR) was completed for the facility in 2006 and Environmental Compliance Approvals exist for the operation of the facility.



Invenergy is proposing to expand the nameplate capacity of the existing St. Clair Energy Centre, with the following projects:

- 1: (Upgrade) Increase plant capacity through process improvements and equipment upgrades. This would require no physical expansion of the plant. This scenario results in approximately an additional 60 megawatts (MW) of generating capacity.



- 2: (Expansion) Addition of a new gas turbine(s), or reciprocating engines, to achieve a total of approximately 100-120 MW of additional capacity. This would require the expansion of the plant footprint and other upgrades to infrastructure.

2.0 – Authorizations and Approvals Required

An ERR will be prepared for the Project. The ERR will identify potential project effects, mitigation, and the potential authorizations required. Invenenergy's preliminary work on the Project has identified the following potential authorizations:

Provincial Approvals:

- Ministry of the Environment, Conservation and Parks
- St. Clair Region Conservation Authority

Municipal Approvals:

- St. Clair Township

Other Approvals:

- Electrical Safety Association
- Technical Standards and Safety Association

The above preliminary list of potential authorizations, notifications, permits and/or approvals may be modified as new information is acquired through the environmental assessment process.

3.0 Project Activities

Planning and design activities for the Project commenced in the second and third quarter of 2022. Pursuant to *The Guide to Environmental Assessment Requirements for Electricity Projects* (the Guide), an ERR will be prepared and archaeological studies will be completed. Engineered drawings will be produced with the final design issued to local municipalities and other regulators for approval. Once all approvals are obtained final engineered drawings will be prepared for construction. Invenenergy is planning to submit permits to agencies and is looking towards anticipated approval of the Project in late 2023 and into early 2024.



4.0 Potential Environmental Effects and Mitigation

The area in which the Project is to be constructed is already within the perimeter of the lands controlled by the energy facility. It is expected that the majority of adverse environmental and/or socio-economic effects will be construction related. The ERR will also provide an assessment of potential effects and propose mitigation for the operation of the facility.

Mitigation measures recommended in the ERR will be followed and align with professional judgement, industry experience, and best practices. In addition, relevant feedback received through the engagement process will be incorporated into the design, construction, and operation of the facility.

5.0 Project Benefits

If successful, the Project will allow Invenergy to contribute to the needed increase in power supply called for by the IESO and the Provincial government in the 2025-2026 calendar years.

6.0 Contact Information

Joe Muraca
EA Project Manager
Dillon Consulting Limited
416-678-1279
info@stclaireenergycentre.com

Michael Enright
Manager, Renewable Development
Invenergy
416-453-0975



November 23, 2022

Melissa Deisley
St. Clair Region Conservation Authority
Strathroy, N7G 3P9

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

Dear Melissa Deisley:

The purpose of this letter is to inform you that the St. Clair Energy Centre, owned and operated by St. Clair Power, L.P., an affiliate of Invenergy, is proposing to expand the capacity of the existing facility located in St. Clair Township, Ontario (the "Project"). Invenergy will be completing an Environmental Review Report for this Project.

The Project Team would like to inquire about specific information within your mandate. Specifically, we are requesting information with respect to flood plain designation along with what respective permits would be required towards anticipated approval of the Project. We would prefer to receive any available information in a digital format if available via email to the undersigned.

Additional project details are included in Attachment 1 and we encourage you to visit the project website at www.stclaireenergycentre.com for updates as the Project progresses. We would also invite you to participate in our Open House which will be held virtually beginning on December 8th, 2022. The web address above will have a link to the virtual session.

Please contact the undersigned if you have any questions regarding the project, or would like information regarding next steps.

Sincerely,

DILLON CONSULTING LIMITED

Joe Muraca
EA Project Manager
Dillon Consulting Limited
416-229-4647 ex 2374
info@stclaireenergycentre.com

Michael Enright
Manager, Renewable Development
Invenergy
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Fax
416.278.3270

**Dillon Consulting
Limited**



ATTACHMENT 1: PROJECT OVERVIEW

1.0 – Project Summary

The St. Clair Energy Centre, which is a combined-cycle natural gas turbine generation facility with a name plate capacity of 584 megawatt (MW), achieved commercial operation in 2009. The facility is located at 790 Petrolia Line, Corunna, Ontario in St. Clair Township (see Figure below). Power generated from the facility is interconnected the provincial 230 kilovolt (kV) electrical transmission network through an onsite transformer station. An Environmental Review Report (ERR) was completed for the facility in 2006 and Environmental Compliance Approvals exist for the operation of the facility.



Invenergy is proposing to expand the nameplate capacity of the existing St. Clair Energy Centre, with the following projects:

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Municipal Approvals:

- St. Clair Township

Other Approvals:

- Electrical Safety Association
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Mitigation measures recommended in the ERR will be followed and align with professional judgement, industry experience, and best practices. In addition, relevant feedback received through the engagement process will be incorporated into the design, construction, and operation of the facility.

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If successful, the Project will allow Invenergy to contribute to the needed increase in power supply called for by the IESO and the Provincial government in the 2025-2026 calendar years.

6.0 Contact Information

Joe Muraca
EA Project Manager
Dillon Consulting Limited
416-678-1279
info@stclaireenergycentre.com

Michael Enright
Manager, Renewable Development
Invenergy
416-453-0975

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/page/preparing-environmental-assessments

	Class EA/Streamlined EA	Proponent Name	Proponent Contact	Project Name	Project Schedule	Project Type	Project Location	MOECC Region	Project Initiation Date
1	CO - Remedial flood and erosion control projects								
2	GO Transit - Class EA								
3	Hydro One - Minor transmission facilities								
4	MEA - Class EA for municipal infrastructure projects								
5	Ministry of Infrastructure - Public work								
6	MNDM - Activities of the Ministry of Northern Development and Mines under the Mining Act								
7	MNRF - Provincial parks and conservation reserves								
8	MNRF - Resource stewardship and facility development projects								
9	MTO - Provincial transportation facilities								
10	O. Reg. 101/07 - Waste management projects								
11	O. Reg. 116/01 - Electricity projects	St. Clair Energy Centre, owned and operated by St. Clair Power, L.P., an affiliate of Invenergy	Joe Muraca gmuraca@dillon.ca	St Clair Energy Centre Upgrade and Expansion	Category B	Natural gas	St. Clair, Township of	Southwestern	2022-11-22
12	OWA - Waterpower 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 name of the municipality or unorganized/unsurveyed 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.

Proposed Upgrade and Expansion St. Clair Energy Centre Environmental Assessment

Virtual Public Information Session

December 8, 2022 – December 22, 2022

Invenergy

DILLON
CONSULTING



Welcome!

This Virtual Information Session will be live for two weeks from Thursday, December 8, 2022 to Thursday December 22, 2022

- You can provide your input on the Project by completing the questionnaire available on the Virtual Public Information Session website at www.stclaireenergyexpansion.ca. Please submit your comments by December 22, 2022.
- After Thursday December 22, 2022, this presentation, accompanying video transcript, and the questionnaire will be available for download on the Invenergy Project website www.stclaireenergycentre.com.



Land & Water Acknowledgement

We would like to recognize and acknowledge that the land and surrounding water that the St. Clair Energy Centre operates on is the Three Fires confederacy's traditional territory of the Chippewa, Odawa, and Potawatomi peoples, referred to collectively as the Anishinaabeg.

We would also like to acknowledge and give thanks to the many other Indigenous nations and communities that reside on this land in the past, present, and future.



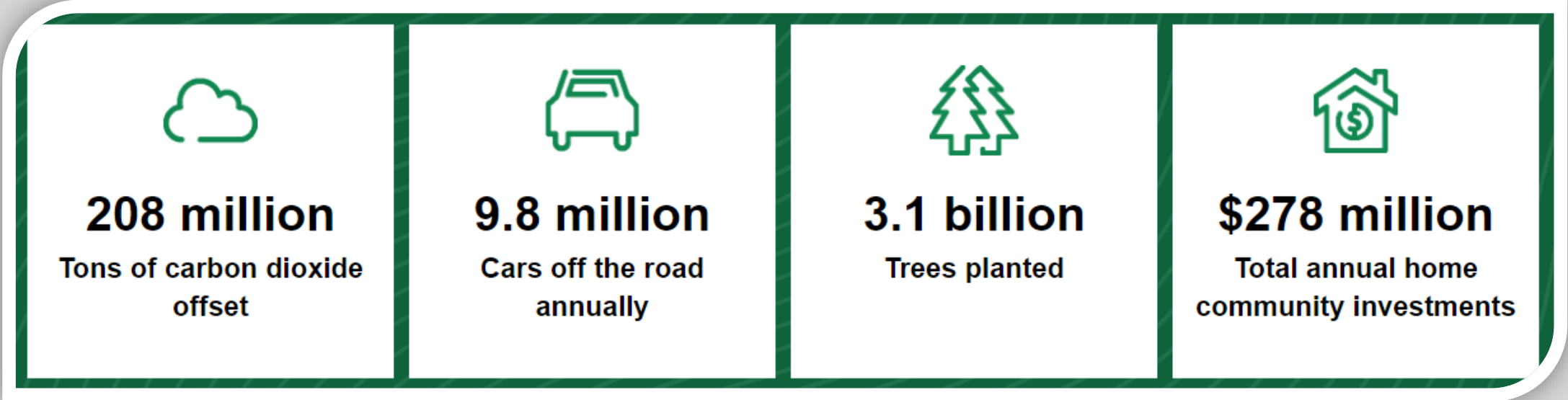
Invenergy

- Invenergy is the world's largest privately held developer, owner and operator of sustainable energy solutions. Invenergy's home office is located in Chicago, with its' Canadian headquarters in Toronto and a regional office in Montreal.
- The company has successfully developed more than 190 projects worldwide, totaling over 30,000 megawatts, including wind, solar, transmission infrastructure, natural gas power generation and advanced energy storage projects.
- Invenergy has successfully managed the St. Clair Energy Centre since 2009 and has become a valued member of the community.



Invenergy and Sustainability

- All of Invenergy’s teams play a crucial role in the continued growth of sustainable energy, and are proud to highlight some of the developmental, legislative and organizational achievements they have as a company.



Project Background

- The St. Clair Energy Centre is a 584-megawatt combined-cycle natural gas turbine generation facility. The Energy Centre is located in St. Clair Township, in the province of Ontario, Canada and began operations in 2009. Power generated from the facility is transported to the provincial electrical transmission network through an onsite transformer station, where it is eventually delivered and utilized by consumers.
- To help meet the provinces growing need for reliable and efficient electricity, the St. Clair Energy Center is proposing modernization upgrades and an expansion of the facility including:
 - Project 1 - Upgrade of St. Clair Energy Centre - Upgrading the facility involves increasing plant capacity through process improvements and equipment upgrades. This will require no physical expansion of the plant footprint and will add approximately 60 MWs of generating capacity.
 - Project 2 - Expansion of St. Clair Energy Centre - Expansion of the facility involves the addition of a new gas turbine(s), or reciprocating engines, to achieve approximately 100-120 MWs of additional generating capacity. This would require the expansion of the plant footprint and other upgrades to infrastructure.



Project Description

The Project is being driven by the request from the Independent System Electricity Operator (IESO) for additional energy capacity for the 2025-2026 calendar years. If successful, the Project will allow Invenergy contribute to the needed increase in power supply called for by the IESO and the Provincial government.



Planning and design activities for the Project commenced in the second and third quarter of 2022. Pursuant to the *Guide to Environmental Assessment Requirements for Electricity Projects*, an Environmental Review Report (ERR) will be prepared and archaeological studies will be completed. Engineered drawings will be produced with the final design and issued to local municipalities and other regulators for approval. Once approvals are obtained final engineered drawings will be prepared for construction. Invenergy is planning to submit permits to agencies and are looking towards anticipated approval of the Project in late 2023 and into early 2024.



Regulatory Framework

- An Environmental Review Report (ERR) will be prepared for the Project. The ERR will identify potential effects, proposed mitigations and authorizations required. Work will follow the *Guide to Environmental Assessment Requirements for Electricity Projects* published by the Government of Ontario pursuant to the *Environmental Assessment Act*.
- Preliminary work on the Project has identified potential authorizations.



- **Provincial Approvals:**
- Ministry of the Environment, Conservation and Parks
- St. Clair Region Conservation Authority
- **Municipal Approvals:**
- St. Clair Township

If other authorizations, notifications, permits and/or approvals are required, they will be identified during the Environmental Assessment process.



- Invenergy will carefully consider input and is committed to involving community members
- Invenergy will provide up-to-date information in an open, honest, and respectful manner.
- Invenergy is committed to environmental stewardship and conducts its operations in an environmentally responsible manner.



Regulatory Framework

- For the Project to proceed, approval from the Ministry of the Environment, Conservation and Parks (MECP) is required.
- The MECP requires that Invenergy complete an Environmental Review Report (ERR).

Role of the MECP



- Review the ERR, including details of consultation, as part of the approval process.
- Receive comments from interested parties once the ERR is submitted to the MECP
- Provide a public forum during the review of the ERR for people to participate in the decision-making process.

Environmental Assessment

- The project is subject to “Electricity Regulation (O.Reg. 116/01) and follows the “*Guide to Environmental Assessment Requirements for Electricity Projects*” under the Ontario Environmental Assessment Act.
- The assessment will include an analysis of the potential impact on:
 - Air quality and noise;
 - Human and ecological health;
 - Vegetation;
 - Wildlife and birds;
 - Soils;
 - Social and economic conditions; and,
 - Natural and cultural heritage.

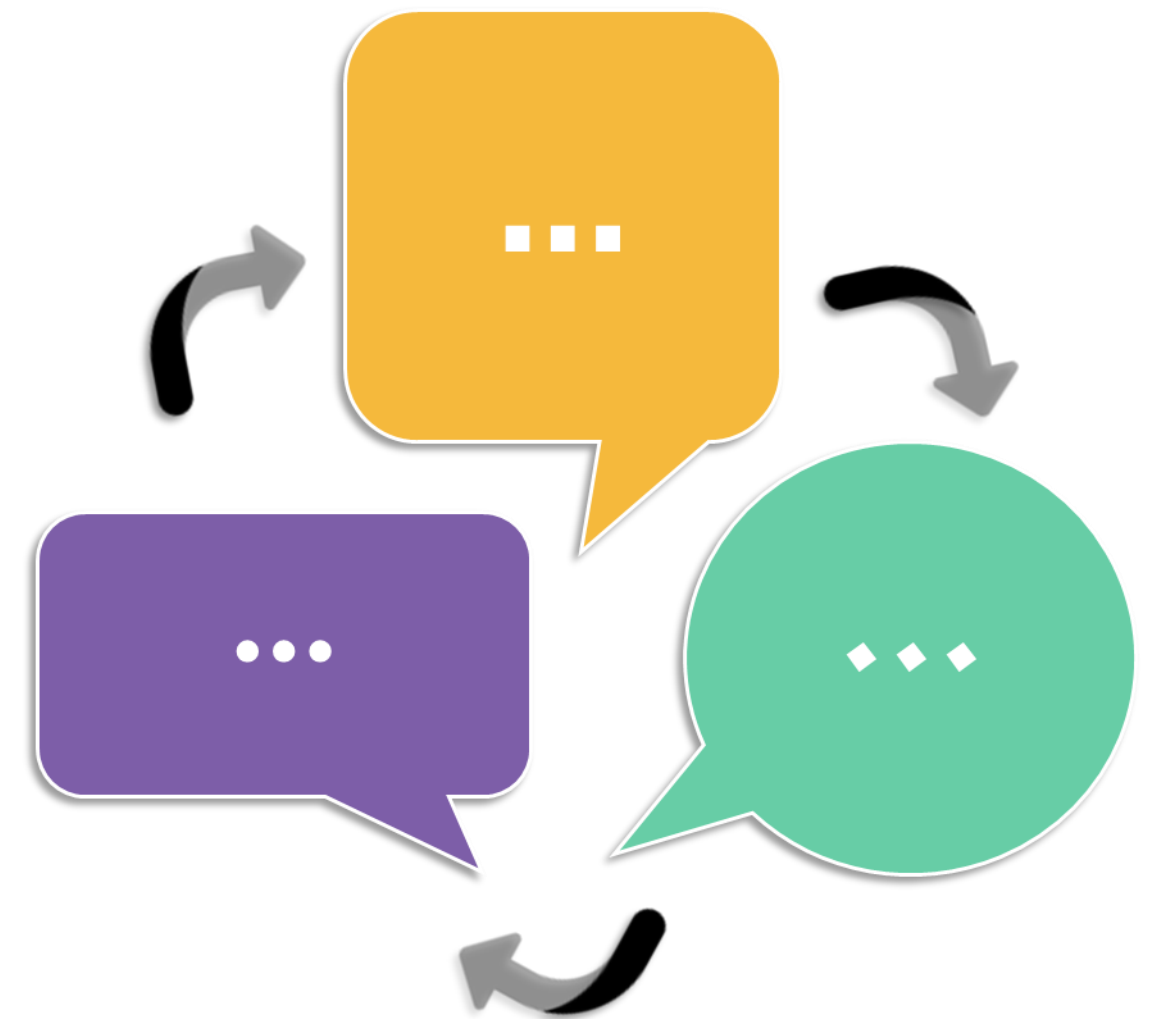


Why Natural Gas?

- The proposed upgrade and expansion occurs at an existing facility that has been in operation since 2009 and will not require a new greenfield installation. The existing facility would continue to use clean natural gas for its source of fuel.
- The proposed upgrade and expansion responds to the the Independent Electricity System Operator's request for power dispatchable base-load natural gas assets.
- Natural gas is the cleanest combustible fuel on Earth, it is colorless and odorless in its natural state. Replacing coal, diesel, and heavy fuels with clean-burning natural gas greatly reduces harmful emissions such as carbon compounds, nitrogen oxides, sulfur dioxide, and particulate matter.
- As a flexible, fast-response energy source, natural gas plays an important role within the broader energy transition by supporting the power grid's ability to manage increasing amounts of renewable generation.

Purpose of the Virtual Information Session

- Provide background information on the Project and illustrate the options being considered, studies to be conducted and other important information
- Inform landowners, Indigenous communities, municipalities, stakeholders, and regulatory authorities about the Project and gather feedback about the proposed project
- Provide an opportunity to participate during the process of completing the Environmental Review Report, which will be included in the submission to the Ministry of the Environment, Conservation and Parks
- Provide an opportunity to identify unknown constraints and review draft plans to mitigate impacts to the local community and the environment
- Create a space for you to ask questions and/or provide comments about the Project



Consultation Approach



We are committed to a comprehensive consultation process and want to hear from you about this Project.




Our consultation approach is:

- **Inclusive** – reaching out to those who may be interested or affected and providing opportunities to become informed and get involved.
- **Transparent** – providing access to information and clear explanations for decisions.
- **Accountable** – explaining how your input will be used in the decision-making process.

An important part of the consultation process is working with stakeholders to identify and resolve potential Project-related issues and concerns.



SITE LAYOUT AND STUDY AREA

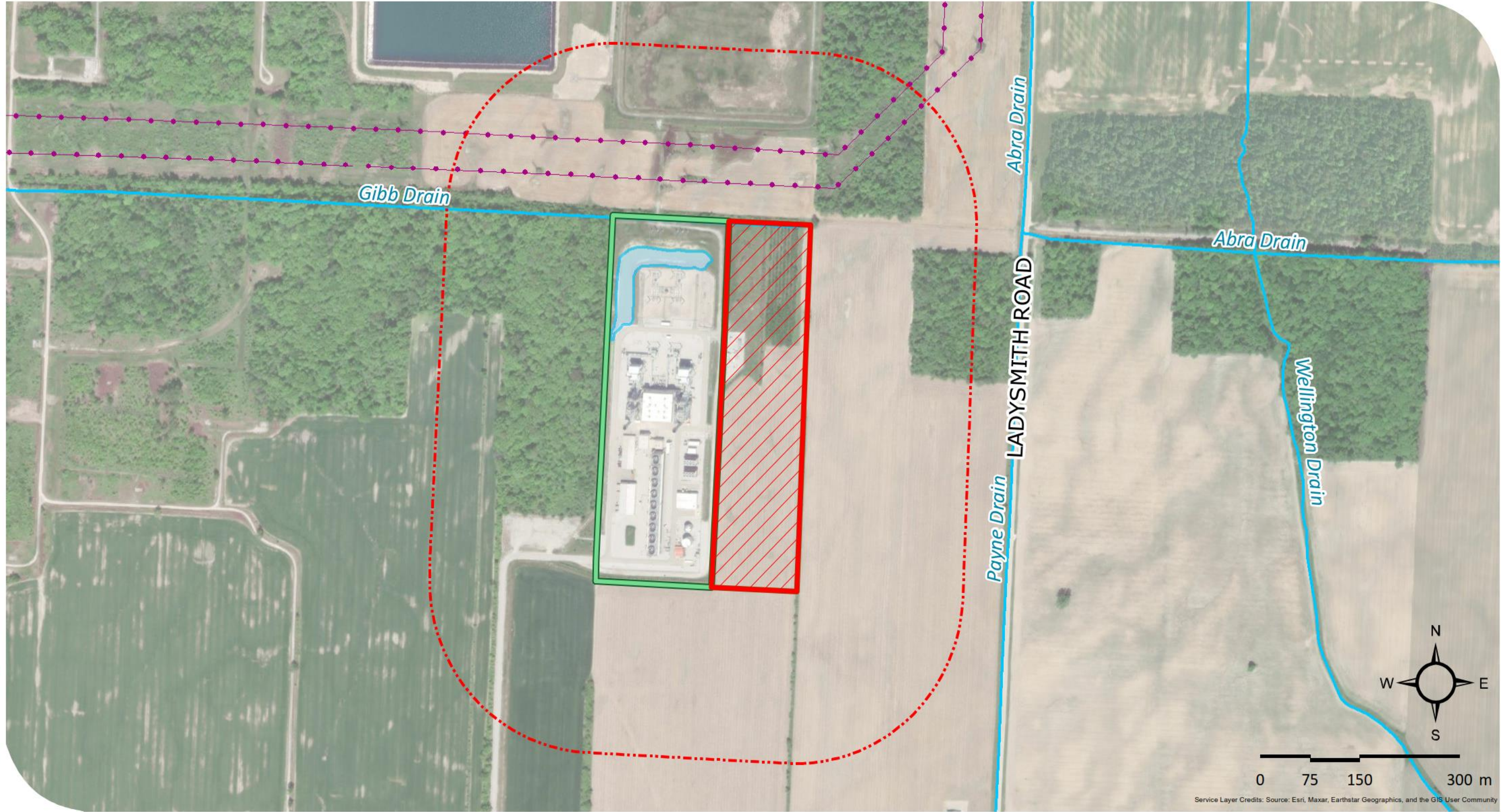
-  Project 1 - Upgrade of Existing St. Clair Energy Centre
-  Project 2 - Expansion of St. Clair Energy Centre
-  Direct Study Area
-  Hydro Line
-  Watercourse / Constructed Drain
-  Stormwater Management Pond

Note: Site features are approximate

MAP DRAWING INFORMATION:
DATA PROVIDED BY MNDMNR, INVENERGY, MECP

MAP CREATED BY:	LK	DATE:	2022-11-21
MAP CHECKED BY:	JM	PROJECT:	225016
STATUS:	DRAFT	PROJECTION:	NAD 1983 UTM Zone 17N

FILE LOCATION: K:\2022\225016\Product\Client\ppt\INV_PPT_map_NHF.mxd



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Proposed St. Clair Energy Centre Upgrade and Expansion – Environmental Assessment

Natural Environment Considerations

- The St. Clair Energy Centre is located approximately 4km east of Corunna in the Township of St. Clair, County of Lambton, Ontario.
- The Direct Study Area is defined as a 250m buffer on each side of the combined proposed expansion and upgrade areas.
- A natural environment field survey of the Direct Study Area was completed by a Dillon Biologist on November 18th, 2022.



The Direct Study Area consists of the following land classifications:

- Intense Agriculture
- Rural Development
- Industrial Use (Existing St. Clair Energy facility)

The Direct Study Area is currently zoned for:

- Environmental Protected Deciduous Forest Woodlot
- “Industrial Type 3” - Heavy Industry

Natural Environment Considerations

Based on a high-level screening, historical occurrences of Species at Risk (SAR) and Species of Conservation Concern (SCC) are known to within 1 kilometer of the project or within the municipality. The Environmental Assessment will review the possible presence of SAR or SCC, as well as their habitat, in the Direct Study Area. Should these species, or their habitat, be encountered, mitigation measures will be proposed in the ERR.

SAR			SCC
<ul style="list-style-type: none"> • Barn Swallow • Bobolink • Eastern Meadowlark • Red-headed Woodpecker 	<ul style="list-style-type: none"> • American Chestnut • Butternut • Eastern Flowering Dogwood • Eastern Foxsnake 	<ul style="list-style-type: none"> • Eastern Small-footed Myotis • Little Brown Myotis • Northern Myotis • Tri-colored Bat 	<ul style="list-style-type: none"> • Monarch • Snapping Turtle • Wood Thrush • Eastern Wood-pewee



Natural Environment Considerations

Examples of Potential Effects

- Temporary loss or alteration of vegetation during construction.
- Temporary alteration of wildlife habitat and/or disruption of wildlife movement during construction.
- Temporary alteration of SAR habitat and/or disruption of SAR movement during construction.



Examples of Mitigation Measures

- Reposition construction to avoid a disturbance, or minimize the width of construction to reduce the area affected.
- Flag or fence off environmentally sensitive areas prior to construction.
- Document wildlife and SAR encounters and notify appropriate regulatory authorities, where required.
- Provide SAR identification sheets to workers that outline habitat, identifying characteristics and mitigation measures.

Socio-Economic Considerations

Examples of Potential Effects

- Temporary increase in nuisance noise during construction.
- Temporary traffic disruptions during construction.
- Temporary increase in wastes during construction.



Examples of Mitigation Measures

- Construction activities will be carried out in compliance with municipal noise by-laws with respect to noise and construction equipment usage. Applicable noise by-law exemptions will be sought if construction activities cannot be avoided on Statutory Holidays, Sundays or at night.
- Traffic access will be maintained, where possible, during construction. Good management and best practices will be implemented during construction to minimize traffic disruption. If required, temporary detour routes will be provided to reduce potential impacts to commuters.
- Solid waste will be collected and disposed of appropriately in accordance with applicable regulations at a licensed waste facility.

Cultural Heritage Resources

Archaeology

- A Stage 1 Archaeological Assessment for the Project was completed in November of 2022 and will be submitted to the Ministry of Citizenship and Multiculturalism (MCM) for approval.
- The Stage 1 study determined that no previously registered archaeological sites are located within 1 km of the Study Area. The property inspection determined that there is no archaeological potential.
- Based on the current evaluation, a previous Stage 1 and 2 completed for existing facility in 2006, and previous disturbance, a Stage 2 assessment is not being recommended.



Built Heritage and Cultural Heritage Landscapes

- There are no properties within the Study Area that are Listed or Designated under the Ontario Heritage Act.
- There are no cemeteries located in the Study Area.
- The MCM “Criteria for Evaluating Potential Built Heritage Resources and Cultural Heritage Landscapes” Checklist was completed and concluded that there is no potential for built heritage or cultural heritage landscapes in the Study Area.

Air Quality and Noise Assessment

- The proposed upgrade and expansion will meet provincial air and noise requirements as determined by the Ontario MECP.
- Detailed air and noise modeling will be completed as part of the Environmental Assessment process.
- The project will require an Environmental Compliance Approval (ECA) or an amendment to the existing ECA to reflect the proposed upgrade and expansion.
- The ECA will include a detailed Emission Summary and Dispersion Modelling Report as well as an Acoustic Assessment Report.



Water Use and Assessment

- The proposed upgrade will utilize the existing water-steam cycle for steam generation and water-cooled condenser to reject heat to a cooling tower. Incremental additional water will be required for cooling and steam generation functions.
- The proposed expansion will require minimal water as the primary cooling will occur through fin fan cooler, and there will be no steam cycle.
- The current facility is regulated by an Industrial Sewage Works ECA and a Permit to Take Water. These will be amended to accommodate the proposed upgrade and expansion activities, if necessary.
- For example, if there is a need to increase the permitted rate of water per day, an application for a Category 3 Permit will be submitted to the MECP.



Permits and Approvals


- Upon completion of the Environmental Assessment (EA) and ERR, a Notice of Completion will be filed with the Ontario MECP.
- Permits will also be obtained from various agencies in the form of operating permits. This ensures that the facility is operating according to legislated requirements.
- Environmental Compliance Approval for Air (including Noise) and Industrial Sewage are required and will be obtained from the Ontario MECP. A Permit to Take Water will also be required. These permits will be submitted as amendments to existing facility approvals.
- Permits and approvals will be obtained as required from the Township or the County.



Station Design, Construction and Safety

The existing St. Clair Energy Centre has an exceptional safety record. The facility will continue to create a safe work environment for contractors and employees during construction and operation of the upgrade and/or expansion following industry best practices.



- Construction activities will be carried out in compliance with municipal by-laws 
- Good management and best practices will be implemented during construction to minimize impacts to the local community.

- The upgrade will include the installation of new gas turbine equipment which will increase both power output and efficiency and enable improvements in the performance of the existing steam turbine.
- The expansion includes the addition of one or two high efficiency combustion gas turbines (CTG) or possibly reciprocating engines, with low emission rates. Equipment must have a short start time to allow electrical capacity to be available, as and when required.



Mitigation and Monitoring

- Invenergy is committed to working with the community on construction planning, mitigation, and post-construction monitoring. Construction and post-construction monitoring will be conducted so that impacted areas are restored to as close to pre-construction conditions as possible.
- Invenergy recognizes that the construction of the upgraded and expanded facility may result in short-term adverse impacts and commit to applying mitigation measures to reduce these impacts and work with the municipality and landowners so that issues are resolved in a timely manner.
- The ERR will include a detailed assessment of potential effects and mitigation, where required, as well as commitments to monitoring.



Continuous Stakeholder Engagement

Invenergy is committed to open dialogue throughout the Environmental Assessment. Stakeholders will have the opportunity to remain engaged in the process after the Environmental Assessment is completed, through:

- Contacting Project team members via contact information provided on next slide
- Visiting the Project website at www.stclaireenergycentre.com



Thank you for participating in our Virtual Public Information Session!

- We want to hear from you! Please complete the Project questionnaire on the Virtual Public Information Session website www.stclaireenergyexpansionea.ca
- After **December 22, 2022**, this presentation, accompanying video transcript, and the questionnaire will be available on the Invenergy Project website www.stclaireenergycentre.com.
- Please submit your feedback by **Thursday, December 22, 2022**.

Project Contact Information:

Email: info@stclaireenergycentre.com

Phone: 416-229-4647 ex 2374

Stay Informed

Key Project Contacts:

Joe Muraca
EA Project Manager
Dillon Consulting Limited

Michael Enright
Manager, Renewable Development
Invenergy



St. Clair Energy Centre Upgrade and Expansion Environmental Assessment Project – Virtual Public Information Session Presentation Transcript

Slide No.	Slide Title	Transcript
1	N/A – Title Slide	<p>Hello and welcome to the Virtual Public Information Session for the Proposed Upgrade and Expansion of the St. Clair Energy Centre.</p> <p>At any time, you can press pause or stop this presentation. You will also have the opportunity to download the transcript to this video on the Virtual Public Information Session website, or on the Project website. Links are provided on the next slide and at the end of the presentation.</p>
2	Welcome!	<p>This Virtual Public Information Session will be live for two weeks, beginning Thursday, December 8, and ending Thursday December 22, 2022.</p> <p>This presentation will provide you with information about the proposed project and will outline how you can stay informed and participate.</p> <p>You can provide your input on the project by completing the questionnaire available on the Virtual Public Information Session website at www.stclaireenergyexpansion.ca. Please submit your comments by Thursday December 22, 2022.</p> <p>After Thursday December 22, 2022, this presentation, the accompanying video transcript, and the questionnaire will be available for download on the Invenergy Project website www.stclaireenergycentre.com.</p>
3	Land & Water Acknowledgement	<p>We would like to recognize and acknowledge that the land and surrounding water that the St. Clair Energy Centre operates on is the Three Fires confederacy’s traditional territory of the Chippewa, Odawa, and Potawatomi peoples, referred to collectively as the Anishinaabeg. We would also like to acknowledge and give thanks to the many other Indigenous nations and communities that reside on this land in the past, present, and future.</p>
4	Invenergy	<p>Invenergy is the world’s largest privately held developer, owner and operator of sustainable energy solutions. Invenergy’s home office is located in Chicago, with its’ Canadian headquarters in Toronto and a regional office in Montreal.</p> <p>Invenergy has developed 190 projects worldwide, totaling more than 30,000 megawatts, including wind, solar, transmission infrastructure, natural gas power generation and advanced energy storage projects.</p> <p>Invenergy has successfully managed the St. Clair Energy Centre since 2009 as has become a valued member of the community.</p>
5	Invenergy and Sustainability	<p>All of Invenergy’s teams play a crucial role in the continued growth of sustainable energy, and are proud to highlight some of the developmental, legislative and organizational achievements they have as a company, including:</p> <ul style="list-style-type: none"> 208 million tons of carbon dioxide offset equivalent to 9.8 million cars off the road annually 3.1 billion trees planted \$278 million total annual home community investments <p>More information on Invenergy’s commitments to sustainability can be found in their 2021 Impact Report.</p>

Slide No.	Slide Title	Transcript
6	Project Background	<p>The St. Clair Energy Centre is a 584-megawatt combined-cycle natural gas turbine generation facility. The Energy Centre is located in St. Clair Township, in the province of Ontario, Canada and began operations in 2009. Power generated from the facility is transported to the provincial electrical transmission network through an onsite transformer station, where it is eventually delivered and utilized by consumers.</p> <p>To help meet the provinces growing need for reliable and efficient electricity, the St. Clair Energy Center is proposing modernization upgrades and an expansion of the facility including:</p> <p><u>1:</u> Upgrading the facility through increasing plant capacity through process improvements and equipment upgrades. This will require no physical expansion of the plant footprint and will add approximately 60 MWs of generating capacity.</p> <p><u>2:</u> Expansion of the facility through the addition of a new gas turbine(s), or reciprocating engines, to achieve approximately 100-120 MWs of additional generating capacity. This would require the expansion of the plant footprint and other upgrades to infrastructure.</p>
7	Project Description	<p>The Project is being driven by the request from the Independent System Electricity Operator (IESO) for additional energy capacity for the 2025-2026 calendar years. If successful, the Project will allow Inverenergy contribute to the needed increase in power supply called for by the IESO and the Provincial government.</p> <p>Planning and design activities for the Project commenced in the second and third quarter of 2022. Pursuant to the Guide to Environmental Assessment Requirements for Electricity Projects, an Environmental Review Report will be prepared and archaeological studies will be completed. Engineered drawings will be produced with the final design and issued to local municipalities and other regulators for approval. Once approvals are obtained final engineered drawings will be prepared for construction. Inverenergy is planning to submit permits to agencies and are looking towards anticipated approval of the Project in late 2023 and into early 2024.</p>
8	Regulatory Framework (Slide 1 of 2)	<p>An Environmental Review Report will be prepared for the Project. The Environmental Review Report will identify potential effects, proposed mitigations and authorizations required. Work will follow the Guide to Environmental Assessment Requirements for Electricity Projects published by the Government of Ontario pursuant to the Environmental Assessment Act.</p> <p>Preliminary work on the Project has identified potential authorizations.</p> <p>Provincial approvals for this project are required from the Ministry of the Environment, Conservation and Parks and potentially from the St. Clair Region Conservation Authority.</p> <p>Municipal approvals are required from the St. Clair Township.</p> <p>If other authorizations, notifications, permits and/or approvals are required, they will be identified during the Environmental Assessment process.</p> <p>Inverenergy will carefully consider input and is committed to involving community members and will provide up-to-date information in an open, honest, and respectful manner.</p> <p>Inverenergy is committed to environmental stewardship and conducts its operations in an environmentally responsible manner.</p>

Slide No.	Slide Title	Transcript
9	Regulatory Framework (Slide 2 of 2)	<p>For the Project to proceed, approval from the Ministry of the Environment, Conservation and Parks is required.</p> <p>The Ministry of the Environment, Conservation and Parks requires that Invernergy complete an Environmental Review Report.</p> <p>The role of the Ministry of the Environment, Conservation and Parks is to:</p> <ul style="list-style-type: none"> • Review the Environmental Review Report, including details of consultation, as part of the approval process. • Receive comments from interested parties once the Environmental Review Report is submitted to the Ministry of the Environment, Conservation and Parks • Provide a public forum during the review of the Environmental Review Report for people to participate in the decision-making process.
10	Environmental Assessment	<p>As required by the Ministry of the Environment, Conservation and Parks, an Environmental Assessment of the Proposed Expansion is being undertaken to determine the impacts on a variety of local and regional conditions.</p> <p>The project is subject to “Electricity Regulation (Ontario Regulation 116/01) and follows the “Guide to Environmental Assessment Requirements for Electricity Projects” under the Ontario Environmental Assessment Act.</p> <p>The assessment will include an analysis of the potential impact on:</p> <ul style="list-style-type: none"> • Air quality and Noise; • Human and Ecological health; • Vegetation; • Wildlife and Birds; • Soils; • Social and Economic Conditions; and, • Natural and Cultural Heritage.
11	Why Natural Gas?	<p>The proposed upgrade and expansion occurs at an existing facility that has been in operation since 2009 and will not require a new greenfield installation. The existing facility would continue to use clean natural gas for its source of fuel.</p> <p>The proposed upgrade and expansion responds to the Independent Electricity System Operator’s request for power dispatchable base-load natural gas assets.</p> <p>Natural gas is the cleanest combustible fuel on Earth, it is colorless and odorless in its natural state. Replacing coal, diesel, and heavy fuels with clean-burning natural gas greatly reduces harmful emissions such as carbon compounds, nitrogen oxides, sulfur dioxide, and particulate matter.</p> <p>As a flexible, fast-response energy source, natural gas plays an important role within the broader energy transition by supporting the power grid’s ability to manage increasing amounts of renewable generation.</p>

Slide No.	Slide Title	Transcript
12	Purpose of the Virtual Public Information Session	<p>The purpose of this Virtual Public Information Session is to:</p> <ul style="list-style-type: none"> • Provide background information on the Project and illustrate the options being considered, studies to be conducted and other important information • Inform landowners, Indigenous communities, municipalities, stakeholders, and regulatory authorities about the Project and gather feedback about the proposed project • Provide an opportunity to participate during the process of completing the Environmental Review Report, which will be included in the submission to the Ministry of the Environment, Conservation and Parks • Provide an opportunity to identify unknown constraints and review draft plans to mitigate impacts to the local community and the environment • Create a space for you to ask questions and/or provide comments about the Project
13	Consultation Approach	<p>We are committed to a comprehensive consultation process and want to hear from you about this Project.</p> <p>Our consultation approach is:</p> <ul style="list-style-type: none"> • Inclusive – reaching out to those who may be interested or affected and providing opportunities to become informed and get involved. • Transparent – providing access to information and clear explanations for decisions. • Accountable – explaining how your input will be used in the decision-making process. <p>An important part of the consultation process is working with stakeholders to identify and resolve potential Project-related issues and concerns.</p>
14	N/A –Map	<p>This figure provides an overview of the project components. You may pause this video if you need additional time to review the map. An interactive version of the map is also provided on the Virtual Public Information Session website (www.stclaireenergyexpansion.ca).</p>
15	Natural Environment Considerations (slide 1 of 3)	<p>The St. Clair Energy Centre is located approximately 4km east of Corunna in the Township of St. Clair, County of Lambton, Ontario.</p> <p>The Direct Study Area is defined as a 250m buffer on each side of the combined proposed expansion and upgrade areas.</p> <p>A natural environment field survey of the Direct Study Area was completed by a Dillon Biologist on November 18th, 2022.</p> <p>The Direct Study Area consists of the following land classifications:</p> <ul style="list-style-type: none"> • Intense Agriculture • Rural Development • Industrial Use (Existing St. Clair Energy facility) <p>The Direct Study Area is currently zoned for:</p> <ul style="list-style-type: none"> • Environmental Protected Deciduous Forest Woodlot • “Industrial Type 3” which is defined as Heavy Industry
16	Natural Environment Considerations (slide 2 of 3)	<p>Based on a high-level screening, historical occurrences of Species at Risk and Species of Conservation Concern are known to occur within 1 kilometer of the project or within the municipality. The Environmental Assessment will review the possible presence of Species at Risk and Species or Conservation Concern, as well as their habitat, in the Direct Study Area. Should these species, or their habitat, be encountered, mitigation measures will be proposed in the ERR.</p>

Slide No.	Slide Title	Transcript
17	Natural Environment Considerations (slide 3 of 3)	<p>This slide lists examples of potential effects on the natural environment and the types of mitigation measures that may be considered in the environmental assessment.</p> <p>You may pause this video and review this slide if needed.</p>
18	Socio-Economic Considerations	<p>This slide lists examples of potential effects on the socio-economic environment and the types of mitigation measures that may be considered in the environmental assessment.</p> <p>Construction activities will be carried out in compliance with municipal noise by-laws with respect to noise and construction equipment usage.</p> <p>Traffic access will be maintained, where possible, during construction. Good management and best practices will be implemented during construction to minimize traffic disruption.</p> <p>Solid waste will be collected and disposed of appropriately in accordance with applicable regulations at a licensed waste facility.</p>
19	Cultural Heritage Resources	<p>A Stage 1 Archaeological Assessment for the Project was completed in November of 2022 and will be submitted to the Ministry of Citizenship and Multiculturalism for approval.</p> <p>The Stage 1 study determined that no previously registered archaeological sites are located within 1 km of the Study Area. The property inspection determined that there is no archaeological potential.</p> <p>Based on the current evaluation, a previous Stage 1 and 2 assessment completed for existing facility in 2006, and previous disturbance, a Stage 2 assessment is not being recommended.</p> <p>Additionally, there are no properties within the Study Area that are Listed or Designated under the Ontario Heritage Act, and there are no cemeteries located in the Study Area.</p> <p>The “Criteria for Evaluating Potential Built Heritage Resources and Cultural Heritage Landscapes” Checklist was completed and concluded that there is no potential for built heritage or cultural heritage landscapes in the Study Area.</p>
20	Air Quality and Noise Assessment	<p>The proposed upgrade and expansion will meet provincial air and noise requirements as determined by the Ontario Ministry of Environment, Conservation and Parks.</p> <p>Detailed air and noise modeling will be completed as part of the Environmental Assessment process.</p> <p>The project will require an Environmental Compliance Approval or an amendment to the existing Environmental Compliance Approval to reflect the proposed upgrade and expansion.</p> <p>The Environmental Compliance Approval will include a detailed Emission Summary and Dispersion Modelling Report as well as an Acoustic Assessment Report.</p>

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21	Water Use and Assessment	<p>The proposed upgrade will utilize the existing water-steam cycle for steam generation and water-cooled condenser to reject heat to a cooling tower. Incremental additional water will be required for cooling and steam generation functions.</p> <p>The proposed expansion will require minimal water as the primary cooling will occur through fin fan cooler, and there will be no steam cycle.</p> <p>The current facility is regulated by an Industrial Sewage Works Environmental Compliance Approval and a Permit to Take Water. These will be amended to accommodate the proposed upgrade and expansion activities if necessary.</p> <p>For example, if there is a need to increase the permitted rate of water per day, an application for a Category 3 Permit will be submitted to the Ontario Ministry of Environment, Conservation and Parks.</p>
22	Permits and Approvals	<p>Upon completion of the Environmental Assessment and Environmental Review Report, a Notice of Completion will be filed with the Ontario Ministry of Environment, Conservation and Parks.</p> <p>Permits will also be obtained from various agencies in the form of operating permits. This ensures that the facility is operating according to legislated requirements.</p> <p>Environmental Compliance Approval for Air (including Noise) and Industrial Sewage are required and will be obtained from the Ontario Ministry of Environment, Conservation and Parks. A Permit to Take Water will also be required. These permits will be submitted as amendments to existing facility approvals.</p> <p>Permits and approvals will be obtained as required from the Township or the County.</p>
23	Station Design, Construction and Safety	<p>The existing St. Clair Energy Centre has an exceptional safety record. The facility will continue to create a safe work environment for contractors and employees during construction and operation of the upgrade and/or expansion following industry best practices.</p> <p>Construction activities will be carried out in compliance with municipal by-laws</p> <p>Good management and best practices will be implemented during construction to minimize impacts to the local community.</p> <p>The upgrade will include the installation of new gas turbine equipment which will increase both power output and efficiency and enable improvements in the performance of the existing steam turbine.</p> <p>The expansion includes the addition of one or two high efficiency combustion gas turbines or possibly reciprocating engines, with low emission rates. Equipment must have a short start time to allow electrical capacity to be available, as and when required.</p>
24	Mitigation and Monitoring	<p>Invernergy is committed to working with the community on construction planning, mitigation, and post-construction monitoring. Construction and post-construction monitoring will be conducted so that impacted areas are restored to as close to pre-construction conditions as possible.</p> <p>Invernergy recognizes that the construction of the upgraded and expanded facility may result in short-term adverse impacts and commit to applying mitigation measures to reduce these impacts and work with the municipality and landowners so that issues are resolved in a timely manner.</p> <p>The Environmental Review Report will include a detailed assessment of potential effects and mitigation, where required, as well as commitments to monitoring.</p>

Slide No.	Slide Title	Transcript
25	Continuous Stakeholder Engagement	<p>Invenergy is committed to open dialogue throughout the Environmental Assessment. Stakeholders will have the opportunity to remain engaged in the process after the Environmental Assessment is completed, through:</p> <ul style="list-style-type: none"> • Contacting Project team members via the contact information provided at the end of this presentation. • Visiting the Project website at www.stclaireenergycentre.com
26	Stay Informed	<p>Thank you for participating in our Virtual Public Information Session!</p> <p>We want to hear from you! Please complete the project questionnaire on the Virtual Public Information Session website at www.stclaireenergyexpansion.ca to provide your input and opinion of the project. If you would prefer, you can also download the comment form and submit your feedback by email at info@stclaireenergycentre.com</p> <p>After December 22, 2022, this presentation, the accompanying video transcript, and questionnaire will be available on the Invenergy Project website at www.stclaireenergycentre.com.</p> <p>Please submit your feedback by Thursday, December 22, 2022 so it can be considered as part of the Virtual Information Session component of the Environmental Review Report.</p> <p>For more information, or to submit comments or questions, please use the contact information provided on this slide to contact a member of the project team.</p>

Virtual Information Session – Comment Form

We want to hear from you! We encourage you to review the Virtual Information Session material and then fill out and submit this comment form. The comment form will be available for submission through the Virtual Information Session website until December 22, 2022.

Alternatively, you can provide your input by downloading the comment form and submitting it by email to info@stclaireenergycentre.com.

After **Thursday December 22, 2022**, this comment form will be available for download from the Invenergy website at <http://www.stclaireenergycentre.com>.

Your input is welcomed and appreciated.

Contact Information and General Questions

If you would like to be added to the Project’s mailing list and receive Project updates, please provide your contact information.

1. Name / Email Address or Mailing Address

2. How did you hear about the Project? (Select all that apply)

- Received Notice via email
- Received Notice via standard mail
- Newspaper
- From a friend or neighbour
- Other, please specify:

3. Do you own property, live, or work beside the St. Clair Energy Centre? Select the option that applies:

Yes, I own property, live, or work beside the St. Clair Energy Centre at the following address:

I do not own property, live, or work beside the St. Clair Energy Centre but I am interested in the Project

4. Please explain your interest in the Project.

5. Which group represents you best? (Please choose one answer)

- I am a member of an Indigenous community
- I am a landowner or resident in St. Clair Township
- I am a member of a community interest group
- I am a government employee or official
- Other, please specify:

6. What is your view of the proposed Project?

- I am supportive
- I am not supportive
- No opinion at this time (Go to Question 8)

7. Please explain your view (supportive or not supportive).

8. Are there any environmental, socio-economic, or cultural heritage features within the project study area that you would like to identify?

9. Are there any potential effects (e.g., to you, your property, business, or otherwise) and any mitigation measures that Invenery should consider and address prior to Project construction?

10. Please provide any additional comments, questions, or feedback that you have with regards to the Project.

Feedback on the Virtual Information Session

11. Was sufficient information about the Project provided on the Virtual Information Session website and in the presentation slides?

Yes (Go to Question 13)

No

12. Please describe what other information you would have liked to see.

13. Was sufficient information provided on the Environmental Assessment process?

Yes (Go to Question 15)

No

Partly

14. Please tell us what else you would like to know about the Environmental Assessment process.

15. How did you like the Virtual Information Session format versus having an in-person drop-in style open house? Do you have any suggestions to help us improve on this virtual format?

Thank you for participating in the Virtual Information Session for the St. Clair Energy Centre Upgrade and Expansion Environmental Assessment Project!

If you require further information about the Project, please contact one of the following individuals:

<p>Joe Muraca EA Project Manager Dillon Consulting Limited</p>	<p>Michael Enright Manager, Renewable Development Invernergy</p>
<p>info@stclaireenergycentre.com 416-229-4647 ex 2374</p>	

You can also stay up-to-date on the Project by visiting the Project website at:

<http://www.stclaireenergycentre.com>

Collection and Use of Personal Information:

Any personal information (PI), such as names and addresses, collected by Invernergy on this comment form (or through the Virtual Information Session process) for this project will be used for the purpose of conducting an environmental assessment and related activities, such as creating an environmental assessment report. Invernergy may also share PI with its consultant(s) for this purpose and will share PI with the Ministry of Environment, Conservation and Parks (MECP) or other government agencies as required for the project.

In accordance with the Ontario Freedom of Information and Protection of Privacy Act, PI provided to the MECP will not be disclosed on the public record or to any third parties. However, comments, questions and other information collected may be disclosed on the public record provided that any PI will be redacted.

Users Flow

Dec 8, 2022 - Dec 22, 2022

All Users
100.00% Sessions

Users Flow » Country : Canada

Country

Canada
32

Starting pages
32 sessions, 20 drop-offs

/
26

1st Interaction
12 sessions, 2 drop-offs

project-overview/
6
project-map/
4
/
2

2nd Interaction
10 sessions, 8 drop-offs

comment-form/
3
project-map/
3
/
2
project-overview/
2

project-overview/
4

home/
1

project-map/
1

#

Date Submitted 12/16/2022

1. Name / Email Address or Mailing Address [REDACTED]

2. How did you hear about the Project? (Select all that apply) other
CONTACTED PERSONALLY BY THE CONSULTING FIRM

3. Do you own property, live, or work beside the St. Clair Energy Centre? Select the option that applies: yes-i-own-property-live-or-work-beside-the-st-clair-energy-centre-at-the-following-address
894 PETROLIA LINE
I HAVE A MAJOR CONCERN ABOUT WATER RUNOFF ONTO MY PROPERTY. ALSO AT TIMES THE WATER VAPOUR COVERS OUR PROPERTY WHEN THERE IS A NORTH WEST WIND

4. Please explain your interest in the Project.

5. Which group represents you best? (Please choose one answer) landowner-resident

6. What is your view of the proposed Project? not-supportive

7. Please explain your view (supportive or not supportive) I AM NOT SUPPORTIVE OF THE NEW EXPANSION

8. Are there any environmental, socio-economic, or cultural heritage features within the project study area that you would like to identify? OUR PROPERTY IS WITHIN THE STUDY AREA AND WE WOULD LIKE TO BE CONTACTED PERSONALLY DURING THE STUDY PROCESS

9. Are there any potential effects (e.g., to you, your property, business, or otherwise) and any mitigation measures that Invenergy should consider and address prior to Project construction? THE MAIN CONCERN IS WATER RUNOFF FROM YOUR PROPERTY ONTO OURS

10. Please provide any additional comments, questions, or feedback that you have with regards to the Project. WE WOULD LIKE TO SEE WHAT THE PLANS ARE FOR WHEN THE PLANT IS FINISHED PRODUCTION

11. Was sufficient information about the Project provided on the Virtual Information Session website and in the presentation slides? yes

12. Please describe what other information you would have liked to see.

13. Was sufficient information provided on the Environmental Assessment process? yes

14. Please tell us what else you would like to know about the Environmental Assessment process.

15. How did you like the Virtual Information Session format versus having an in-person drop-in style open house? Do you have any suggestions to help us improve on this virtual format? I FOUND IT WAS EASY FOR YOU TO NOT HAVE TO FACE QUESTIONS THAT YOU WOULD NOT BE ABLE TO ANSWER. IF THIS IS THE ONLY OPERTUNITY THAT WE GET TO VOICE OUR OPINIONS THEN WE CAN NOT AND WILL NOT SUPPORT THIS PROJECT

#	1	2
Date Submitted	12/16/2022	12/17/2022
Name	TOM WILSON	Jug Manocha
Email Address	[REDACTED]	[REDACTED]

Region	City	Users	New Users	Sessions	Bounce Rate	Pages / Session	Avg. Session Duration	Goal Conversion Rate	Goal Completions	Goal Value
Ontario	Toronto	4	2	5	60.00%	3.80	335.80	0.00%	0	0.00
British Columbia	Gibsons	3	3	3	66.67%	1.67	45.67	0.00%	0	0.00
Ontario	Sarnia	3	3	4	25.00%	2.50	626.25	0.00%	0	0.00
Ontario	London	2	2	3	66.67%	2.00	127.00	0.00%	0	0.00
(not set)	(not set)	1	1	1	100.00%	1.00	0.00	0.00%	0	0.00
Alberta	Calgary	1	1	1	100.00%	1.00	0.00	0.00%	0	0.00
Alberta	Edmonton	1	1	2	50.00%	2.00	41.50	0.00%	0	0.00
Alberta	Spruce Grove	1	0	1	100.00%	1.00	0.00	0.00%	0	0.00
Ontario	(not set)	1	1	3	66.67%	1.67	621.33	0.00%	0	0.00
Ontario	Brampton	1	1	1	0.00%	3.00	118.00	0.00%	0	0.00
		22	17	32	56.25%	2.31	292.28	0.00%	0	0.00

Default Channel Grouping	Users	New Users	Sessions	Bounce Rate	Pages / Session	Avg. Session Duration	Goal Conversion Rate	Goal Completions	Goal Value
Referral	16	14	25	52.00%	2.24	312.08	0.00%	0	0.00
Direct	11	9	16	68.75%	1.94	103.94	0.00%	0	0.00
Organic Search	1	1	1	0.00%	10.00	561.00	0.00%	0	0.00
	28	24	42	57.14%	2.31	238.71	0.00%	0	0.00

NOTICE OF PROJECT UPDATE



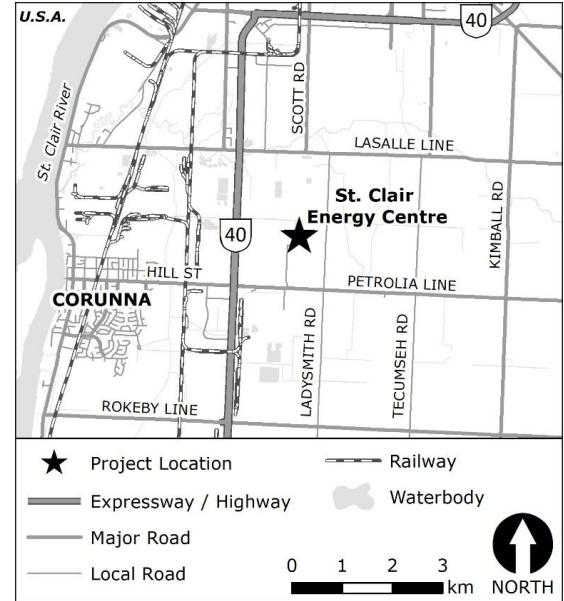
PROJECT UPDATE FOR THE PROPOSED UPGRADE AND EXPANSION OF THE ST. CLAIR ENERGY CENTRE – ENVIRONMENTAL ASSESSMENT

THE PROJECT

Invenergy is a leading privately held, global developer and operator of sustainable energy solutions. With electricity demands in Southern Ontario anticipated to grow significantly over the next several years, St. Clair Energy Centre, owned and operated by St. Clair Power, L.P., an affiliate of Invenergy, is proposing to expand the nameplate capacity of the existing facility located in St. Clair Township, Ontario. At this time, the proposed expansion to the facility will include the following projects:

1: (Upgrade) Increase plant capacity through process improvements and equipment upgrades. Requiring no physical expansion of the plant, this scenario results in approximately an additional 70 megawatts (MW) of generating capacity.

2: (Expansion) Addition of a new gas turbine(s), or reciprocating engines, to achieve a total of approximately 100-120 MW of additional capacity. This would require the expansion of the plant footprint and other upgrades to infrastructure.



PROJECT UPDATE

Invenergy has submitted two separate proposals to the Independent System Electricity Operator (IESO) for the upgrade and expansion of the St. Clair Energy Centre: Same Technology Upgrade Solicitation for Project 1 (Submission completed in December 2022) and Expedited- Long Term 1 (E-LT1) Request for Proposal (RFP) for Project 2 (Submission completed in February 2023). Based on changes to IESO's initial procurement schedule and provided that no project awards have been issued to date, Invenergy has decided to proceed with Project 1 (Upgrade) at this time, to continue to progress the project in order to remain in line with adhering to the IESO's stated timeline for same technology upgrade facilities to be operational. Except for a change in additional generating capacity from 60 MW to 70 MW, no other changes to Project 1 are anticipated at this time and the information presented for Project 1 in late 2022 remains the same. A decision on whether to proceed with Project 2 (Expansion) will occur at a later date once the E-LT1 process concludes sometime in Quarter 2, 2023.

ENVIRONMENTAL ASSESSMENT

The Guide to Environmental Assessment Requirements for Electricity Projects (the "Guide") issued by the Ontario Government pursuant to the *Environmental Assessment Act* ensures that an Environmental Review Report (ERR) will be prepared for Project 1 and will identify the potential authorizations required. The ERR will also provide an assessment of potential effects and propose mitigation measures for the construction and operation of the facility.



April 12, 2023

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

The purpose of this letter is to inform you of an update to the environmental assessment for the St. Clair Energy Centre, owned and operated by St. Clair Power L.P., an affiliate of Invenergy.

Invenergy has submitted two separate proposals to the Independent System Electricity Operator (IESO) for the upgrade and expansion of the St. Clair Energy Centre: Same Technology Upgrade Solicitation for Project 1 (Submission completed in December 2022) and Expedited- Long Term 1 (E-LT1) Request for Proposal (RFP) for Project 2 (Submission completed in February 2023).

Based on changes to IESO's initial procurement schedule and provided that no project awards have been issued to date, Invenergy has decided to proceed with Project 1 (Upgrade) at this time, to continue to progress the project in order to remain in line with adhering to the IESO's stated timeline for same technology upgrade facilities to be operational.

Except for a change in additional generating capacity from 60 MW to 70 MW, no other changes to Project 1 are anticipated at this time and the information presented for Project 1 in late 2022 remains the same. A decision on whether to proceed with Project 2 (Expansion) will occur at a later date once the E-LT1 process concludes sometime in Quarter 2, 2023.

Please see the attached Notice of Study Update for more information about the Project and Study Update. We encourage you to visit the Project website at www.stclaireenergycentre.com for more updates as the Project progresses.

Please contact the undersigned if you have any questions regarding the project, or would like information regarding next steps.

Sincerely,

DILLON CONSULTING LIMITED

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EA Project Manager
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**Dillon Consulting
Limited**

NOTICE OF PROJECT UPDATE



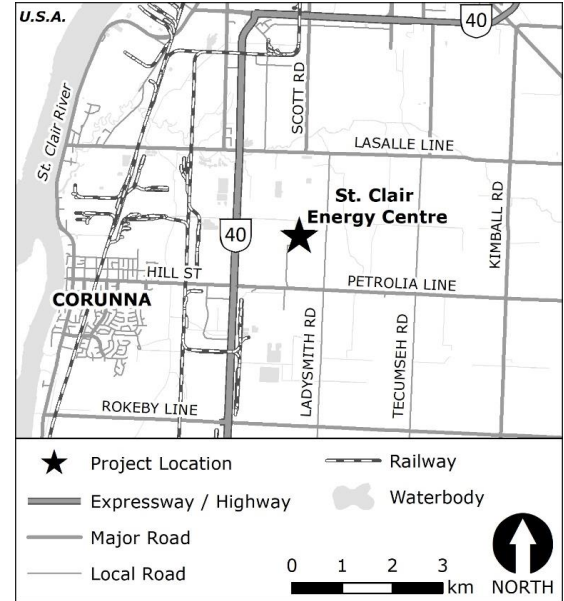
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1: (Upgrade) Increase plant capacity through process improvements and equipment upgrades. Requiring no physical expansion of the plant, this scenario results in approximately an additional 70 megawatts (MW) of generating capacity.

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April 11, 2023

Jeff Agar
St. Clair Township
Mooretown, N0N 1M0

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

Dear Mayor Jeff Agar:

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Please contact the undersigned if you have any questions regarding the project, or would like information regarding next steps.

Sincerely,

DILLON CONSULTING LIMITED

Joe Muraca
EA Project Manager
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Michael Enright
Manager, Renewable Development
Invenergy
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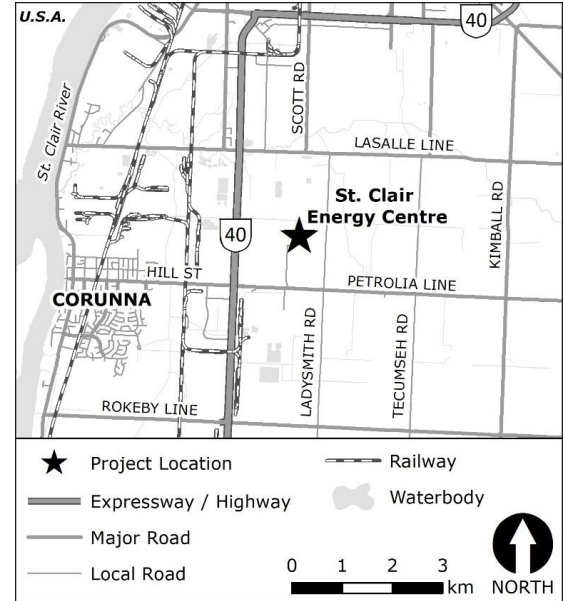
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April 11, 2023

Bob Baily

Point Edward, Ontario, N7V 1X6

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

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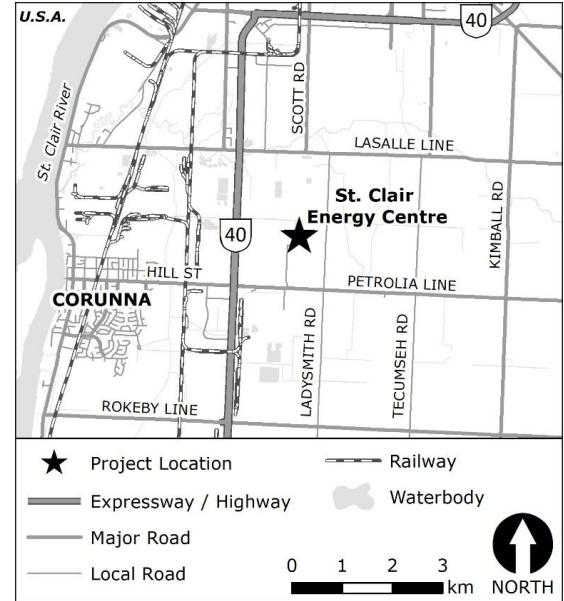
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April 11, 2023

Marilyn Gladu

Sarnia, Ontario, N7S 6G5

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

Dear Marilyn Gladu:

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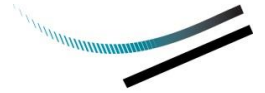
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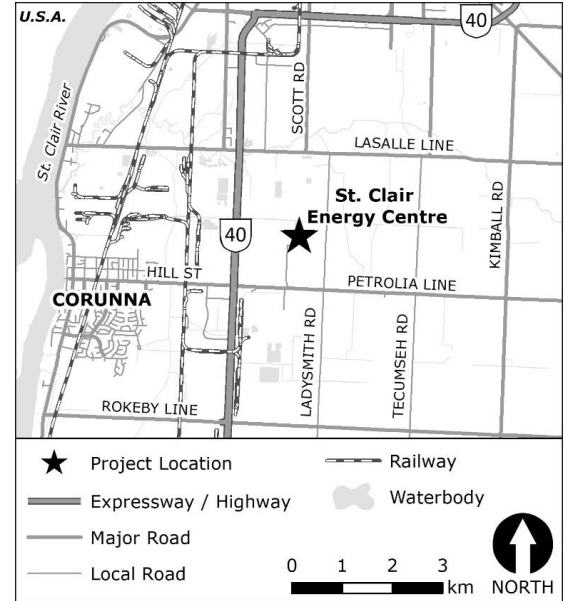
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April 11, 2023

Deanna Lindblad

Ministry of Natural Resources and Forestry
Aylmer, Ontario, N5H 2S8

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

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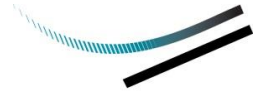
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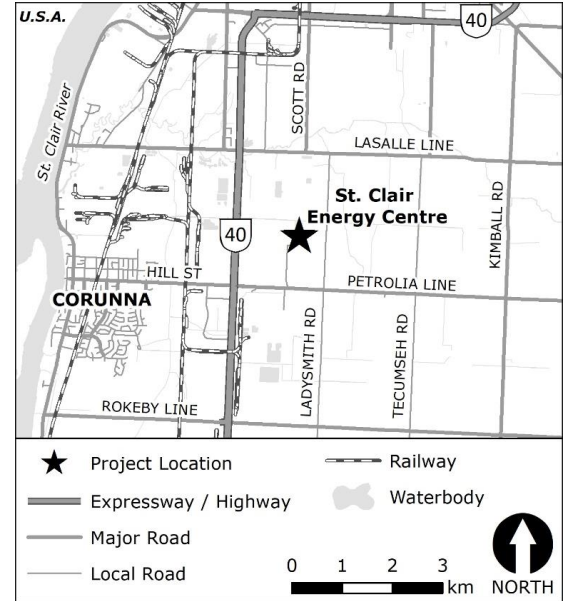
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April 11, 2023

Sean Morrison
Ministry of the Environment, Conservation and Parks
Sarnia, Ontario, N7S 1P1

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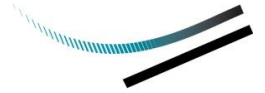
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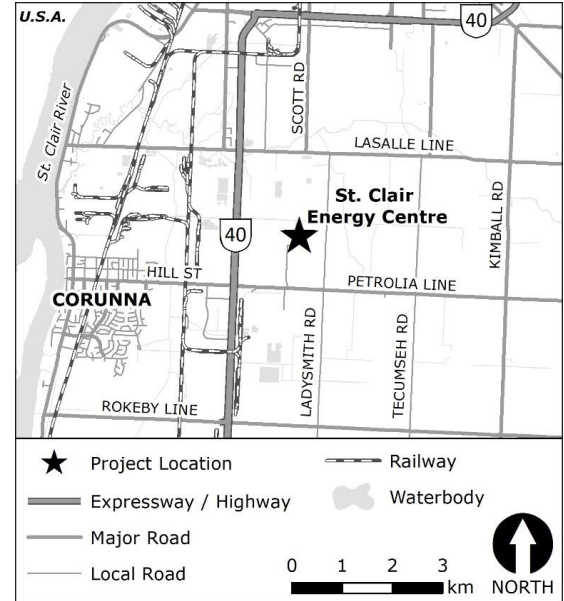
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April 11, 2023

Melissa Deisley

St. Clair Conservation Authority
Strathroy, Ontario, N7G 3P9

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

Dear Melissa Deisley:

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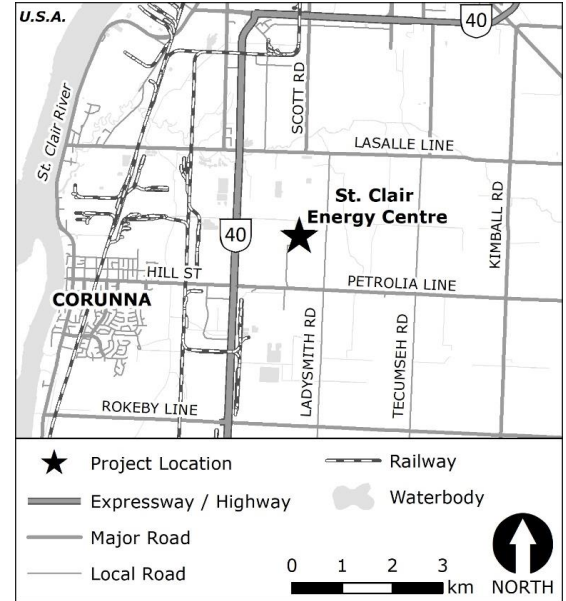
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Jeff Agar
St. Clair Township
Mooretown, N0N 1M0

St. Clair Energy Centre Upgrade and Expansion Environmental Assessment

Dear Mayor Jeff Agar:

The purpose of this letter is to inform you of an update to the environmental assessment for the St. Clair Energy Centre, owned and operated by St. Clair Power L.P., an affiliate of Invenergy.

Invenergy has submitted two separate proposals to the Independent System Electricity Operator (IESO) for the upgrade and expansion of the St. Clair Energy Centre: Same Technology Upgrade Solicitation for Project 1 (Submission completed in December 2022) and Expedited- Long Term 1 (E-LT1) Request for Proposal (RFP) for Project 2 (Submission completed in February 2023).

Based on changes to IESO's initial procurement schedule and provided that no project awards have been issued to date, Invenergy has decided to proceed with Project 1 (Upgrade) at this time, to continue to progress the project in order to remain in line with adhering to the IESO's stated timeline for same technology upgrade facilities to be operational.

Except for a change in additional generating capacity from 60 MW to 70 MW, no other changes to Project 1 are anticipated at this time and the information presented for Project 1 in late 2022 remains the same. A decision on whether to proceed with Project 2 (Expansion) will occur at a later date once the E-LT1 process concludes sometime in Quarter 2, 2023.

Please see the attached Notice of Study Update for more information about the Project and Study Update. We encourage you to visit the Project website at www.stclaireenergycentre.com for more updates as the Project progresses.

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Please contact the undersigned if you have any questions regarding the project, or would like information regarding next steps.

Sincerely,

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NOTICE OF PROJECT UPDATE

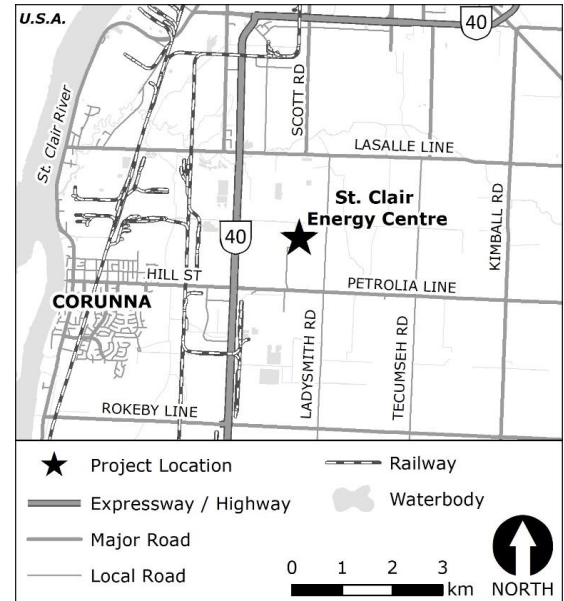
PROJECT UPDATE FOR THE PROPOSED UPGRADE AND EXPANSION OF THE ST. CLAIR ENERGY CENTRE – ENVIRONMENTAL ASSESSMENT

THE PROJECT

Invenergy is a leading privately held, global developer and operator of sustainable energy solutions. With electricity demands in Southern Ontario anticipated to grow significantly over the next several years, St. Clair Energy Centre, owned and operated by St. Clair Power, L.P., an affiliate of Invenergy, is proposing to expand the nameplate capacity of the existing facility located in St. Clair Township, Ontario. At this time, the proposed expansion to the facility will include the following projects:

1: (Upgrade) Increase plant capacity through process improvements and equipment upgrades. Requiring no physical expansion of the plant, this scenario results in approximately an additional 70 megawatts (MW) of generating capacity.

2: (Expansion) Addition of a new gas turbine(s), or reciprocating engines, to achieve a total of approximately 100-120 MW of additional capacity. This would require the expansion of the plant footprint and other upgrades to infrastructure.



PROJECT UPDATE

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ENVIRONMENTAL ASSESSMENT

The Guide to Environmental Assessment Requirements for Electricity Projects (the "Guide") issued by the Ontario Government pursuant to the *Environmental Assessment Act* ensures that an Environmental Review Report (ERR) will be prepared for Project 1 and will identify the potential authorizations required. The ERR will also provide an assessment of potential effects and propose mitigation measures for the construction and operation of the facility.