

**From:** Ralph DeBoer <[rdeboer@rosaflora.com](mailto:rdeboer@rosaflora.com)>

**Sent:** Wednesday, October 4, 2023 10:56 AM

**To:** Evelyn Eichenbaum <[eeichenbaum@haldimandcounty.on.ca](mailto:eeichenbaum@haldimandcounty.on.ca)>

**Cc:** Cathy Case <[ccase@HaldimandCounty.on.ca](mailto:ccase@HaldimandCounty.on.ca)>; Rob Shirton <[RShirton@haldimandcounty.on.ca](mailto:RShirton@haldimandcounty.on.ca)>; Jackie Shiels <[jshiels@rosaflora.com](mailto:jshiels@rosaflora.com)>; Arjan Vos <[avos@rosaflora.com](mailto:avos@rosaflora.com)>

**Subject:** [EXTERNAL] Rosa Flora Growers Limited - Request for HC Support Resolution

Dear Evelyn,

Rosa Flora Growers Limited (RFGL) is a large greenhouse operation growing fresh cut flowers, year-round, in Dunnville, ON since 1978.

The purpose of this correspondence is to inform you that RFGL has an opportunity to participate in a Long-Term Reliability Project with the Independent Electricity System Operator (IESO). RFGL's participation will involve the production of electricity to supply power to the grid when power is needed. This includes construction of a cogeneration power plant that can be started when power supply is required by IESO and stopped when supply is not required.

Cogeneration produces both electricity and heat. Because RFGL can utilize the heat in our greenhouse operation, we can operate this power plant very efficiently. For your information, please find some proposed project details below:

**Equipment:** The equipment will consist of one or more generators with a maximum combined size of 8.5 MW.

**Structure:** The equipment will be housed in a new warehouse which we are currently planning to construct on the property at 328 Diltz Road, Dunnville.

**Primary Fuel Source:** Natural Gas

**Electricity Distribution:** Electricity from the cogeneration operations will be primarily produced for the grid, when the IESO deems RFGL to supply power. When not deemed to operate for the grid, the equipment can be used to power the greenhouse operation.

**Cogeneration:** Cogeneration equipment produces both electrical and thermal energy with a generator. This makes it possible to achieve a high efficiency, for a greenhouse operation that can use the thermal energy (heat) produced for its operations. Operating a natural gas generator without capturing heat produced is approximately 45% efficient. RFGL can operate at 95% efficiency because of our ability to use thermal energy produced to heat the greenhouse.

We believe that our project aligns with the municipality's goals of promoting local business and sustainable, environmentally friendly practices. By generating power for the IESO, via cogeneration, and utilizing the heat produced, we will have the ability to provide electricity to the grid, when it is needed, in an efficient manner. If RFGL's application is successful, the project will connect to the Dunnville TS. Power consumed in Haldimand, can also be produced here.

Before we complete the IESO contract application process, we request a Municipal Support Resolution. For this reason, we would like to appear as a delegation at the next Council in Committee meeting. As

there is limited time for submission of applications, we ask that you allow us to appear as soon as possible.

We look forward to the opportunity to present our project to you and welcome questions or concerns that you may have.

Thank you for your time and consideration.

Sincerely,

Ralph DeBoer



**Ralph DeBoer**

*Owner*

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***"The Greener Way to Grow"***

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