

Case No. 10- 0242-EL-REN  
NovoTec Energy Group Plant 1  
Responses to Staff Interrogatories – Initial Set

**Question 1:** In Section B of the application, the name of the facility owner was left blank. The facility owner's name will be the name that appears on the certificate. Please indicate the name of the facility owner.

**Answer:** Novotec Energy Group

**Question 2:** Please provide a diagram that illustrates the closed loop sublimation gasification process.

**Answer:** See Exhibit 1 attached hereto.

**Question 3:** In what way is the system "closed loop?" Will the system have solid inputs (plastics) and solid (ash) and gaseous (CO<sub>2</sub>, CO, H<sub>2</sub>O) outputs?

**Answer:** The system is referred to as "Closed Loop" because only the feedstock is charged to the system through the air-locked hopper, and there are no outputs other than the methane gas and resulting residue comprised of non-organics, metals, silicates and excess carbon. No other input or output streams are required. Some of the methane gas generated by the system is used as the fuel to operate the system.

**Question 4:** Will the process require any fossil fuel inputs? Will natural gas be needed to startup or supplement the combustion?

**Answer:** The process will not require any fossil fuel inputs while running. However, it will use a small amount (less than 8%) of the methane generated by the system, and require a small amount of natural gas on start-up.

**Question 5:** Will the sublimation/gasification part of the process use oxygen? If so what levels of oxygen are used in this part of the process?

**Answer:** No. Oxygen is specifically excluded from the process and the feedstock enters through an air-lock hopper device.

**Question 6:** Sections L, M, and N of the application were not submitted. Please answer the questions and fill in the blanks for sections L and M below. Sections N and O will need to be submitted within thirty days of the facility coming online.

**Answer:** Sections L, M, N, and O were inadvertently omitted from the e-filed application and are included below for Staff's review.

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**L. Other State Certification**

Is the facility certified by another state as an eligible generating resource to meet the renewable portfolio standards of that state?

☐ Yes – the technology is certified

☒ No

**L.1** If yes, for each state, provide the following information:

Name of State	State Certification Agency	State Certification Number	Date Issued

*(To expand the number of rows if more units need to be reported, place your cursor in the bottom right cell and hit tab).*

**M. Type of Generating Facility**

Please check all of the following that apply to your facility:

- ☐ Utility Generating Facility:
  - ☐ Investor Owned Utility
  - ☐ Rural Electric Cooperative
  - ☐ Municipal System
- ☐ Electric Services Company (competitive retail electric service provider certified by the PUCO)
- ☒ Distributed Generation with a net metering and interconnection agreement with a utility.  
Identify the utility: The facility will be seeking interconnection with AEP.
- ☐ Distributed Generation with both on-site use and wholesale sales.  
Identify the utility with which the facility is interconnected:
- ☐ Distributed Generation, interconnected without net metering.  
Identify the utility with which the facility is interconnected:

Note: if the facility does not yet have an interconnection agreement with a utility or transmission system operator, please note here the status of the application for such an agreement:

## N. Meter Specifications

### Metering Requirements

*If the renewable energy resource generating facility is 6 kW or below, the output may be measured with either an inverter meter or a utility grade meter.*

*All facilities that are larger than 6 kW must measure the output of the facility with a utility grade meter. Facilities that are larger than 6 kW and that are not measuring output with a utility grade meter will not be certified. OAC 4901:1-40-04 (D)(1)*

*Please only report on the meter or the meters used to measure the output from the facility which will be reported to the attribute tracking system.*

The meter(s) that are measuring output from the facility are:

☐ Inverter Meter(s)  
☒ Utility Grade Meter(s)

*Please provide the following information for each meter used in your system.*

Manufacturer: GE Industrial Systems

Serial Number: N/A

Type: GE-Kv2

Date of Last Certification: N/A

Attach a photograph of the meter(s) with date image taken. The meter reading(s) must be clearly visible in the photograph. N/A

Report the total meter reading number at the time the photograph was taken and specify the appropriate unit of generation (e.g., kWh): N/A

Date photograph taken: N/A

**INSERT PHOTOGRAPH(S)**

## O. Start date for reporting generation data to an attribute tracking system

In the Commission's June 17, 2009 Entry on Rehearing in Case No. 08-888-EL-ORD, the Commission found it to be appropriate to recognize the creation of RECs back to July 31, 2008, when the Ohio alternative energy portfolio standard law became effective, provided that the facility was a participant in an existing attribute tracking system during that time, or had a meter in place which can accurately demonstrate generation levels from July 31, 2008, forward (page 34). If the facility is not registered with and reporting to an attribute tracking system please provide a methodology and documentation which will support the specific generation output that would be reported to the attribute tracking system for the period from the placed-in-service date of the facility to the date the facility is scheduled to be certified, which is usually 61 days from the filing date of the application. The documentation may include dated photographs of the

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inverter and utility grade meters, written documentation of meter and inverter readings and measures, and entries of meter readings in a spreadsheet.

**INSERT PHOTOGRAPH(S) OR DOCUMENTATION** -- As indicated in Novotec Energy Group's initial application, its proposed solid waste facility is not yet online and has a projected in-service date of June 1, 2011. Because the proposed facility is still in the pre-construction phase, the utility grade meter to be used to track generation output has not been selected. We are aware of several utility grade meters and will notify the PUCO once a meter is selected

Please state the specific start date that will be used to report generation output to the attribute tracking system, either the placed-in-service date or other: Placed-in-service date (expected to be June 1, 2011).

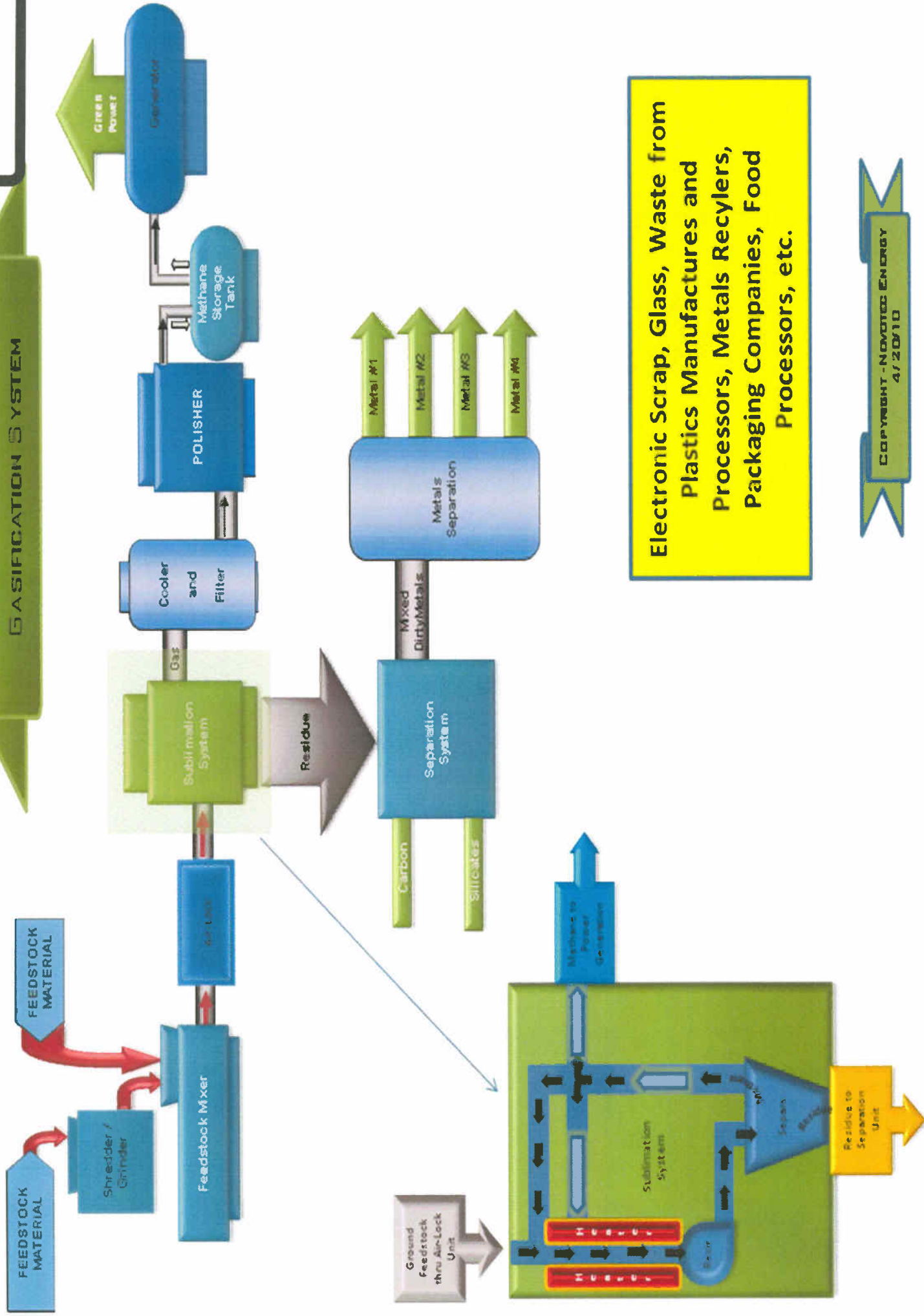
In the Commission's Entry on Rehearing, the Commission explained that consistent with its policy on double counting, the Commission will not retroactively recognize any past RECs which have been sold or otherwise consumed (page 34).

Has any of the generation of the facility been tracked as RECS that have been sold or otherwise consumed?    Yes            No X

***The Public Utilities Commission of Ohio reserves the right to verify the accuracy of the data reported to the tracking system and to the PUCO.***

Version: April 6, 2010

# NOVOTEC ENERGY SUBLIMATION GASIFICATION SYSTEM



Electronic Scrap, Glass, Waste from  
Plastics Manufactures and  
Processors, Metals Recylers,  
Packaging Companies, Food  
Processors, etc.

**This foregoing document was electronically filed with the Public Utilities**

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**Case No(s). 10-0242-EL-REN**

Summary: Response to Staff's Initial Set of Interrogatories electronically filed by Teresa Orahod on behalf of NovoTec Energy Group Plant 1