



SunCoke Energy™

SunCoke Energy, Inc.
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November 18, 2021

Public Utilities Commission of Ohio
Attn: Stuart M. Siegfried
Rates & Analysis Department

SENT VIA ELECTRONIC MAIL AND E-FILE

**RE: Haverhill Coke Company LLC – REN Certification Application
Case No. 21-0911-EL-REN**

Dear Stuart:

We are responding to questions posed by you about the REN certification application for Haverhill Coke Company LLC in your e-mail dated October 19, 2021.

- 1. [PUCO Question] I understand that the Haverhill Coke Plant consists of a Phase 1 and Phase 2. Phase 2 was apparently placed in-service in 2008. When was Phase 1 placed in-service?**

[Applicant Response]: Phase 1 of the Haverhill Coke Plant was placed in-service in 2005. Phase 1 of Haverhill Coke Plant and Phase 2 of Haverhill Coke Plant are separate and distinct closed-loop systems. Phase 1 of Haverhill Coke Plant is not included in the application for REN certification because it is not used to generate power that is sold to the grid or utilized by the facility.

- 2. [PUCO Question] You provided a flow diagram for Phase 2 – please also provide a flow diagram for Phase 1.**

[Applicant Response]: As discussed in Question 1, Phase 1 of the Haverhill Coke Plant generates steam, and is not part of this REN certification.

- 3. [PUCO Question] For Phase 2, which project components does the Applicant believe are part of the waste energy recovery system and which project components are unique to just the cokemaking facility?**

[Applicant Response]: Referencing the flow diagram for Phase 2 previously provided, the following components are considered unique to the cokemaking facility (please note that the cokemaking facility is the source of waste heat for the waste energy recovery system):

- a) *Blended coal*
- b) *Coal storage piles*
- c) *Blended & crushed coal*
- d) *Coke ovens*
- e) *Wet quench*
- f) *Screening and crushing*
- g) *Coke loadout*

Referencing the flow diagram for Phase 2 previously provided, the following components are part of the waste energy recovery system:

- a) *Heat recovery steam generators*
- b) *Flue gas desulfurization system*
- c) *Fans*
- d) *Main Stack*
- e) *Feed water heaters, pumps, deaerators*
- f) *Condenser*
- g) *Cooling tower*
- h) *Steam turbine generator*

4. **[PUCO Question]** The application indicates that waste exhaust heat from the cokemaking process is the “primary” source of fuel for the steam turbine generator. Please confirm that the waste exhaust heat is the exclusive fuel for the steam turbine generator.

[Applicant Response]: We confirm that the waste exhaust heat from the cokemaking process is the exclusive fuel for the steam turbine generator.

5. **[PUCO Question]** Please provide the annual gross generation (MWHs) from the steam turbine generator for the years 2013 – 2020.

[Applicant Response]: The following is the annual gross generation (MWHs) from the steam turbine generator for the years 2013 – 2020:

2013	365,938
2014	358,682
2015	358,495
2016	232,788
2017	298,649
2018	296,873
2019	332,924
2020	270,133

6. **[PUCO Question]** Is any of the facility’s electric generation used on-site – either at the coking facility and/or the WER facility – or is the entirety of the generation exported to the grid?

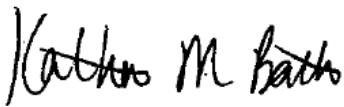
[Applicant Response]: The entirety of the facility’s electric generation is exported to the grid.

7. [PUCO Question] Does the Applicant propose to report gross generation or net generation to GATS?

[Applicant Response]: The Applicant proposes to report gross generation to GATS.

Please do not hesitate to reach out with additional questions.

Best regards,

A handwritten signature in black ink that reads "Katie M. Batten". The signature is written in a cursive, slightly stylized font.

Katie Batten
Director of Health, Safety and Environmental
SunCoke Energy, Inc.

**This foregoing document was electronically filed with the Public Utilities
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Case No(s). 21-0911-EL-REN

Summary: Response Responses to Staff Data Requests electronically filed by Ms.
Anna Sanyal on behalf of Haverhill Coke Company LLC