

Homer City Generation, L.P.
1750 Power Plant Road
Homer City, PA 15748

08/13/2024

VIA Electronic Submittal – OnBase

David Balog
Environmental Engineer Manager
Pennsylvania Department of Environmental Protection
Northwest Regional Office
230 Chestnut Street
Meadville, PA 16335

Re: Homer City Generating Station
Title V Permit No. 32-00055
Application for Emission Reduction Credits

Dear Mr. Balog:

I enclose for Department review and approval a revised Emission Reduction Credit (ERC) Registry Application for the Homer City Generating Station. The emissions reductions used to determine the NO_x ERCs are based on actual emissions adjusted for the lower daily rates in the Federal Implementation Plan issued by the U.S. EPA for the Homer City Station (87 Fed. Reg. 53381, August 31, 2022). The emissions data used to calculate the ERCs are for the last two calendar years before the sources were permanently shut down and are presented in summary spreadsheets attached to the application. These emissions data are the same data that were submitted to the Air Emissions Inventory and are available in that database.

Please do not hesitate to call or email me if you have any questions or require any additional information.

Sincerely,



Shawn T. Lynch
Senior Director

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY**Emission Reduction Credit (ERC) Registry Application**

- This ERC Registry Application may be used by a major or non-major facility.
- ERCs may be created only if the ERC Registry Application is filed within one year of actual emission reductions.
- Read instructions for the ERC Registry Application prior to completing this form.

Section 1 - Identity and Location of Air Contamination Source**1A. Facility/Corporation Information**

Facility Name: HOMER CITY GENERATION LP/ CENTER TWP	Facility Address: 1750 Power Plant RD, Homer City PA 15748-8009
Telephone Number: (724) 479-6255	Fax Number:

1B. Facility Operator Information

(Complete if operator is different from company)

Operator's Name: Homer City Generation LP	Company Address: 1750 Power Plant RD, Homer City PA 15748-8009
Federal ID Number: 80-0833693	
Telephone Number: (724) 479-6255	Fax Number:

1C. Plant/Facility Information

Plant Name: Homer City Power Plant	Plant Address: 1750 Power Plant RD, Homer City PA 15748-8009
Federal ID Number: 80-0833693	
Telephone Number: (724) 479-6255	Fax Number:
Municipality/Township: Center Township	County: Indiana County

1D. Facility Type

☒ Major Facility ☐ Non-Major Facility	Permit No. (Title V): 32-00055
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1E. Contact Person for this Application

Name: Shawn Lynch	Mailing Address: 1750 Power Plant RD, Homer City PA 15748-8009
Title: Senior Director	
Telephone Number: (724) 479-6133	Fax Number:

1F. Certification Statement

I, Shawn Lynch, certify under penalty of law as provided in 18 Pa. C.S.A. § 4904 and 35 P.S. § 4009(b)(2)) that I am authorized to make this Certification on behalf of the facility identified in this application and based on information and belief formed after reasonable inquiry, the statements and information in this application are true, accurate and complete. I further certify that the emission reductions will be maintained as set forth in this application and that the emission reductions were not previously used in netting transactions, alternative emissions limitations, acid rain allowances or to generate other emission reduction credits.


Signature

Senior Director
Title

Date 8/13/2024

Section 2 - ERC-Generating Source Information

Provide the following information for the ERC-generating source

2A. Type of Source: Pulverized Bituminous Coal-fired Combustion Unit	2B. Plan Approval\Permit Number: 32-00055 Note: A permit is required for any source that is continuing to operate
2C. Manufacturer of Source: Foster Wheeler	2D. Model Number: Reheat OTU
2E. Date of Installation of the Source: 08/04/1969	2F. Air Cleaning Device: ACI, ESP, SCR, Dry SOx Scrubber, and Fabric Filters
2G. Source ID/Designation: 031	2H. Hourly Rated Capacity: 6,792 mmBtu/hr
2I. Annual Throughput: N/A	2J. Other Information: See Attachments

Section 3 - ERC Generation Techniques

Check appropriate box(es) to identify applicable ERC-generating technique(s)

- ☒ Shutdown of a source at an existing facility
- ☒ Shutdown of an existing facility
- ☒ Permanent curtailment of production or operation hours
- ☐ Improved control measures including improved control of fugitive emissions
- ☐ Installation of an air pollution control device beyond regulatory requirements
- ☐ Use of lower volatile organic compound (VOC) coatings than required
- ☐ New technology and/or materials (not required by applicable law)
- ☐ Process equipment modifications (not required by applicable law)
- ☐ Incidental emissions reduction of nonhazardous air pollutants
- ☐ Economic Incentive Program
- ☐ Other: _____

Section 4 - Intended use of ERCs

Check appropriate box(es) to specify intended use of ERCs

- ☒ Netting/Offsetting
- ☒ Banking/Trading/Selling Purposes

Section 5 - Emissions Reduction Initiation Date

Actual/Expected Date of Initiation of Emission Reduction: July 2023

Section 6 - Baseline Emission Rate Summary

Baseline emission rate (expressed in lbs/hr or tons/yr) is based on the lower of actual or allowable emissions calculated over two (2) calendar years immediately preceding the reduction unless otherwise approved by the Department.

Calendar Year	Hours of Operation	VOC		NOx		Other <u>PM2.5</u>	
		lbs/hr	TPY	lbs/hr	TPY	lbs/hr	TPY
2021	3,625		4.8		1,462.2		86.1
2022	3,195		4.0		993.6		71.8
Average:	3,410		4.4		1,227.9		78.9
Average Actual Emissions corrected with applicable SIP limitations *			4.4		942.7 (calculated as a product of FIP limit and actual operating hours)		78.9
*RACT/MACT/LAER/BACT, etc.							
Revised Allowable Emissions after emission reductions:			0		0		0
Available ERCs:			4.4		942.7		78.9
Emission rates after reduction:							
VOC: 0 Lbs/Hour 0 Tons/Year NOx: 0 Lbs/Hour 0 Tons/Year Other: 0 Lbs/Hour 0 Tons/Year							

Do the above baseline emission estimates agree with emission statements submitted for PEDS/ AIMS and any fees that have been paid, if applicable?

☒ Yes ☐ No If "No", submit request to amend emissions inventory along with this application.

Is the facility subject to any proposed maximum achievable control technology standards for hazardous air pollutants (MACT)? If yes, specify federal citation including Subpart.

☒ Yes Subpart: 40 CFR Table 2 To Subpart UUUUU of Part 63 ☐ No

Section 7 - Emission Quantification Methods

Check appropriate box(es) for method(s) used to determine the baseline emission rate. Attach copies of source tests, summaries of records, measurements or calculation methods used to estimate the baseline emissions.

- ☒ Performance test data on same unit
☐ Performance test data on similar unit
☒ Continuous emission monitoring data
☐ Equipment vendor emission data and guarantees
☐ Emission factors from technical reference or article
☐ AP-42 Emission Factors Table Number: _____
☐ EPA Test Data Document Document Number: _____
☐ Other: _____

Section 8 - Emission Characteristics

Provide the following information to determine the ambient impact of the emissions reduction

(a) Hours of Operation: Average of 3,410 hours per year during CYs 2021 and 2022	(b) Hourly Rate (specify unit): Maximum of 6,792 mmBtu/hr
(c) Stack Height (from ground level): 800 Feet	(d) Stack Inside Diameter: 24 feet
(e) Exhaust Volume: 2,318,346 ACFM	(f) Exhaust Temperature: 165°F
(g) Seasonal Period (months) Operated: ____N/A____ to ____	

Is the affected source in compliance with all applicable requirements?

Yes ☐ No If "No", attach a list of the violation(s), date(s) and location(s) specified in the Notice of Violation.

List all attachments provided to evaluate this ERC Registry Application.

Actual PM2.5, VOC, and NOx reported in the 2021 and 2022 AEI Reports and NOx FIP Emissions Allowable Spreadsheet

Section 2 - ERC-Generating Source Information

Provide the following information for the ERC-generating source

2A. Type of Source: Pulverized Bituminous Coal-fired Combustion Unit	2B. Plan Approval\Permit Number: 32-00055 Note: A permit is required for any source that is continuing to operate
2C. Manufacturer of Source: Foster Wheeler	2D. Model Number: Reheat OTU
2E. Date of Installation of the Source: 04/25/1970	2F. Air Cleaning Device ACI, ESP, SCR, Dry SOx Scrubber, and Fabric Filters
2G. Source ID/Designation: 032	2H. Hourly Rated Capacity: 6,792 mmBtu/hr
2I. Annual Throughput: N/A	2J. Other Information:

Section 3 - ERC Generation Techniques

Check appropriate box(es) to identify applicable ERC-generating technique(s)

- ☒ Shutdown of a source at an existing facility
- ☒ Shutdown of an existing facility
- ☒ Permanent curtailment of production or operation hours
- ☐ Improved control measures including improved control of fugitive emissions
- ☐ Installation of an air pollution control device beyond regulatory requirements
- ☐ Use of lower volatile organic compound (VOC) coatings than required
- ☐ New technology and/or materials (not required by applicable law)
- ☐ Process equipment modifications (not required by applicable law)
- ☐ Incidental emissions reduction of nonhazardous air pollutants
- ☐ Economic Incentive Program
- ☐ Other: _____

Section 4 - Intended use of ERCs

Check appropriate box(es) to specify intended use of ERCs

- ☒ Netting/Offsetting
- ☒ Banking/Trading/Selling Purposes

Section 5 - Emissions Reduction Initiation Date

Actual/Expected Date of Initiation of Emission Reduction: July 2023

Section 6 - Baseline Emission Rate Summary

Baseline emission rate (expressed in lbs/hr or tons/yr) is based on the lower of actual or allowable emissions calculated over two (2) calendar years immediately preceding the reduction unless otherwise approved by the Department.

Calendar Year	Hours of Operation	VOC		NOx		Other: PM2.5	
		lbs/hr	TPY	lbs/hr	TPY	lbs/hr	TPY
2021	3,212		4.5		732.3		68.6
2022	1,027		1.2		398.3		8.9
Average:	2,120		2.8		565.3		38.7
Average Actual Emissions corrected with applicable SIP limitations * *RACT/MACT/LAER/BACT, etc.			2.8		489.9 (calculated as a product of FIP limit and actual operating hours)		38.7
Revised Allowable Emissions after emission reductions:			0		0		0
Available ERCs:			2.8		489.9		38.7
Emission rates after reduction:							
VOC: 0 Lbs/Hour 0 Tons/Year NOx: 0 Lbs/Hour 0 Tons/Year Other: 0 Lbs/Hour 0 Tons/Year							

Do the above baseline emission estimates agree with emission statements submitted for PEDS/ AIMS and any fees that have been paid, if applicable?

☒ Yes ☐ No If "No", submit request to amend emissions inventory along with this application.

Is the facility subject to any proposed maximum achievable control technology standards for hazardous air pollutants (MACT)? If yes, specify federal citation including Subpart.

☒ Yes Subpart: Subpart: 40 CFR Table 2 To Subpart UUUUU of Part 63 ☐ No

Section 7 - Emission Quantification Methods

Check appropriate box(es) for method(s) used to determine the baseline emission rate. Attach copies of source tests, summaries of records, measurements or calculation methods used to estimate the baseline emissions.

- ☒ Performance test data on same unit
☐ Performance test data on similar unit
☒ Continuous emission monitoring data
☐ Equipment vendor emission data and guarantees
☐ Emission factors from technical reference or article
☐ AP-42 Emission Factors Table Number: _____
☐ EPA Test Data Document Document Number: _____
☐ Other: _____

Section 8 - Emission Characteristics

Provide the following information to determine the ambient impact of the emissions reduction

(a) Hours of Operation: Average of 2,120 hours per year during CYs 2021 and 2022	(b) Hourly Rate (specify unit): Maximum of 6,792 mmBtu/hr
(c) Stack Height (from ground level): 800 feet	(d) Stack Inside Diameter: 24 feet
(e) Exhaust Volume: 2,318,346 ACFM	(f) Exhaust Temperature: 165°F
(g) Seasonal Period (months) Operated: ____N/A____ to ____	

Is the affected source in compliance with all applicable requirements?

☒ Yes ☐ No If "No", attach a list of the violation(s), date(s) and location(s) specified in the Notice of Violation.

List all attachments provided to evaluate this ERC Registry Application.

Actual PM2.5, VOC, and NOx reported in the 2021 and 2022 AEI Reports and NOx FIP Emissions Allowable Spreadsheet

Section 2 - ERC-Generating Source Information

Provide the following information for the ERC-generating source

2A. Type of Source: Pulverized Coal-fired Combustion Unit	2B. Plan Approval\Permit Number: 32-00055 Note: A permit is required for any source that is continuing to operate
2C. Manufacturer of Source: Babcock and Wilcox	2D. Model Number: RB512
2E. Date of Installation of the Source: 12/29/1977	2F. Air Cleaning Device: ESP and Wet FGD
2G. Source ID/Designation: 033	2H. Hourly Rated Capacity: 7,260 mmBtu/hr
2I. Annual Throughput: N/A	2J. Other Information:

- ☒ Shutdown of a source at an existing facility
- ☒ Shutdown of an existing facility
- ☒ Permanent curtailment of production or operation hours
- ☐ Improved control measures including improved control of fugitive emissions
- ☐ Installation of an air pollution control device beyond regulatory requirements
- ☐ Use of lower volatile organic compound (VOC) coatings than required
- ☐ New technology and/or materials (not required by applicable law)
- ☐ Process equipment modifications (not required by applicable law)
- ☐ Incidental emissions reduction of nonhazardous air pollutants
- ☐ Economic Incentive Program
- ☐ Other: _____

Section 4 - Intended use of ERCs

Check appropriate box(es) to specify intended use of ERCs

- ☒ Netting/Offsetting
- ☒ Banking/Trading/Selling Purposes

Section 5 -Emissions Reduction Initiation Date

Actual/Expected Date of Initiation of Emission Reduction: July 2013

Section 6 - Baseline Emission Rate Summary

Baseline emission rate (expressed in lbs/hr or tons/yr) is based on the lower of actual or allowable emissions calculated over two (2) calendar years immediately preceding the reduction unless otherwise approved by the Department.

Calendar Year	Hours of Operation	VOC		NOx		Other PM2.5	
		lbs/hr	TPY	lbs/hr	TPY	lbs/hr	TPY
2021	4,847		3.9		940.8		97.2
2022	5,260		4.3		1,076.6		107.8
Average:	5,054		4.1		1,008.7		102.5

Average Actual Emissions corrected with applicable SIP limitations * *RACT/MACT/LAER/BACT, etc.		4.1		1,003.7 (calculated as a product of FIP limit and actual operating hours)		102.5
Revised Allowable Emissions after emission reductions:		0		0		0
Available ERCs:		4.1		1003.7		102.5
Emission rates after reduction:						
VOC: 0 Lbs/Hour 0 Tons/Year NOx: 0 Lbs/Hour 0 Tons/Year Other: 0 Lbs/Hour 0 Tons/Year						

Do the above baseline emission estimates agree with emission statements submitted for PEDS/ AIMS and any fees that have been paid, if applicable?

☒ Yes ☐ No If "No", submit request to amend emissions inventory along with this application.

Is the facility subject to any proposed maximum achievable control technology standards for hazardous air pollutants (MACT)? If yes, specify federal citation including Subpart.

☒ Yes Subpart: Subpart: 40 CFR Table 2 To Subpart UUUUU of Part 63 ☐ No

Section 7 - Emission Quantification Methods

Check appropriate box(es) for method(s) used to determine the baseline emission rate. Attach copies of source tests, summaries of records, measurements or calculation methods used to estimate the baseline emissions.

- ☒ Performance test data on same unit
☐ Performance test data on similar unit
☒ Continuous emission monitoring data
☐ Equipment vendor emission data and guarantees
☐ Emission factors from technical reference or article
☐ AP-42 Emission Factors Table Number: _____
☐ EPA Test Data Document Document Number: _____
☐ Other: _____

Section 8 - Emission Characteristics

Provide the following information to determine the ambient impact of the emissions reduction

(a) Hours of Operation: Average of 5,054 hours per year during CYs 2021 and 2022	(b) Hourly Rate (specify unit): Maximum of 7,260 mmBtu/hr
(c) Stack Height (from ground level): 854 feet	(d) Stack Inside Diameter: 27 feet
(e) Exhaust Volume: 2,156,799 ACFM	(f) Exhaust Temperature: 125°F
(g) Seasonal Period (months) Operated: ____ N/A ____ to ____	

Is the affected source in compliance with all applicable requirements?

☒ Yes ☐ No If "No", attach a list of the violation(s), date(s) and location(s) specified in the Notice of Violation.

List all attachments provided to evaluate this ERC Registry Application.

Actual PM2.5, VOC, and NOx reported in the 2021 and 2022 AEI Reports and NOx FIP Emissions Allowable Spreadsheet

OFFICIAL USE ONLY

Regional Office: _____ Date Received: _____
 Reviewed By: _____ Date Reviewed: _____
 Plan Approval Number: _____ Date Submitted: _____
 Previous Netting Transaction Date and Plan Approval Number: _____
 Comments: _____

Central Office NSR Section:
 Reviewed By: _____ Entry Date: _____
 Comments: _____