DOCKETED	
Docket Number:	21-TPG-01
Project Title:	Roseville Energy Park Temporary Power Generators
TN #:	269688
Document Title:	RPEAK (REPR-20-03 AND 04) Quarterly CEMS Report - First Quarter 2026 - Part 1s
Description:	N/A
Filer:	Roseville Electric Compliance
Organization:	Roseville Electric
Submitter Role:	Public Agency
Submission Date:	4/29/2026 10:11:05 AM
Docketed Date:	4/29/2026

CITY OF ROSEVILLE CALIFORNIA

RPEAK

Roseville Energy Park Temporary Generators

(21-TPG-01)

Quarterly Operational Report

2026-Q1

Reporting Period: January 1, 2026 – March 31, 2026
Prepared on: April 1, 2026

Submitted to:

California Energy Commission

QUARTERLY OPERATIONAL REPORT

Part I. Identification

a. Quarterly emission report period: **JANUARY 1, 2026 – MARCH 31, 2026**

b. Reporting date: **APRIL 1, 2026**

c. Person ensuring completion and reviewing report: **JULIE MANFREDI**

d. Plant name: **RPEAK (ROSEVILLE ENERGY PARK TEMPORARY GENERATORS)**

e. Plant location:

5120 PHILLIP ROAD
ROSEVILLE, CA 95747

f. Person responsible for integrity of report: **NATHAN RIBORDY**

g. Mailing address of report reviewer:

5120 PHILLIP ROAD
ROSEVILLE, CA 95747

h. Telephone number of report reviewer: **916-746-1673**

Part II. Permit Conditions

SEE ATTACHED

Part III. Measuring Instrumentation Information:

Monitor	Type	Manufacturer	Serial No.	Model No.	Available for
Combustion Turbine Generator #3 (CT5)	Natl Gas Fired, Simple Cycle with Singular Dry Annular Combustors with Water Injection	General Electric (GE)	679-341	TM2500-G4	8/29/2023
CT5 SCR Catalyst	Integrated Ammonia Injection System		25101		8/29/2023
CT5 Oxidation Catalyst			No serial numbers. What we received from the vendor: "The regular CO modules are numbered 1 through 292 and the test button modules are numbered 1 through 8. There are a total of 300 modules in the PO. One site (Yuba City) likely has 1 through 146 of the regular modules + 1 through 4 of the test button modules. The other site (Roseville) likely has 147 through 292 of the regular modules + 5 through 8 of the test button modules."		8/29/2023
Combustion Turbine Generator #4 (CT6)	Natl Gas Fired, Simple Cycle with Singular Dry Annular Combustors with Water Injection	General Electric (GE)	679-344	TM2500-G4	8/29/2023
CT6 SCR Catalyst	Integrated Ammonia Injection System		25101		8/29/2023
CT6 Oxidation Catalyst			No serial numbers. What we received from the vendor: "The regular CO modules are numbered 1 through 292 and the test button modules are numbered 1 through 8. There are a total of 300 modules in the PO. One site (Yuba City) likely has 1 through 146 of the regular modules + 1 through 4 of the test button modules. The other site (Roseville) likely has 147 through 292 of the regular modules + 5 through 8 of the test button modules."		8/29/2023

Part IV. Excess Emissions by Pollutant

SEE ATTACHED

Part V. Calibrations

Stack O_2 Analyzer	Gas Concentration
Measurement Range = 0–25%	
Zero (0 to 20% of span)	0
High (80 to 100% of span)	20–25%

Stack NO_X Analyzer	Gas Concentration
Measurement Range = 0–10 ppm	
Zero (0 to 20% of span)	0
High (80 to 100% of span)	8–10 ppm
Measurement Range = 0–500 ppm	
Zero (0 to 20% of span)	0
High (80 to 100% of span)	400–500 ppm

CO Analyzer	Gas Concentration
Measurement Range = 0-20 ppm	
Zero (0 to 20% of span)	0
High (50 to 100% of span)	10 – 20 ppm
Measurement Range = 0-1000 ppm	
Zero (0 to 20% of span)	0
High (50 to 100% of span)	500 – 1000 ppm

Part VI. Types of Fuels Combusted

NATURAL GAS

Part VII. Continuous Emissions Monitoring System Operation Changes and Failures

SEE ATTACHED

Part VIII. Certification of Report Integrity by Reviewer

THIS IS TO CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THE INFORMATION PROVIDED IN THE ABOVE REPORT IS BOTH COMPLETE AND ACCURATE.

NAME: NATHAN RIBORDY

Nathan Ribordy (Apr 29, 2026 07:26:56 PDT)

TITLE: POWER GENERATION SUPERINTENDENT

DATE: APRIL 22, 2026

LIST OF ATTACHMENTS

I. PERMIT CONDITIONS

RPEAK CONDITION #	DESCRIPTION
CRR-01	List of all persons who have completed WEAP training
CRR-02	Construction condition and reporting requirement
CRR-03	Change of Environmental Coordinator
CRR-04	Implementation of a Workers Environmental Awareness Program (WEAP) and training records
CRR-05	Implementation of project site design, installation, and maintenance
CRR-06	Construction condition and reporting requirement
CRR-07	Copy of SWPPP previously submitted
CRR-08	Noise complaint
CRR-09	Semi-Annual report every Jan and July
CRR-10	Any complaints, incidents, notices of violation etc.
CRR-11	Planned facility closure activities
CRR-12	Notification from Air District of ATC/PTO non-compliance
CRR-13	Hours and times of operation (CEC 1304 reflects fuel use & energy produced)
CRR-14	Cessation of operation facility report

II. EMISSIONS DEVIATIONS

1. EPISODE LIST OF POLLUTANT DEVIATIONS (EXCESS EMISSIONS REPORTS)
2. EPISODE LIST OF DOWNTIME (INVALID DATA REPORTS)
    a. *(CO, NOx)*
3. SUMMARY DEVIATIONS AND DOWNTIME (EDS/CMS SUMMARY REPORTS)
4. CGA CALIBRATION REPORT
    a. *(Results from quarterly audit only)*
5. LINEARITY TEST

I. Permit Conditions

CRR-01

CRR-01: Running list of all person who have completed the Workers Environmental Awareness Program training to date.

Verification: The project operator shall provide a quarterly compliance report to the CEC Compliance Project Manager (CPM) including a record of the number of persons who have completed the Workers Environmental Awareness Program training in the prior quarter and a running total of all persons who have completed the training to date.

Total number of individuals who complete WEAP training in Q1 2026: 98

Total number 776

CRR-02

CRR-02: If a cultural resource is found during installation of the project, the project operator shall provide the following documentation to the CPM:

- A description of the cultural resource, the circumstances surrounding its discovery, actions taken to protect the resource, and the disposition of any artifacts or features that came into the project operator's possession
- A confidential map of the discovery location on an aerial photograph or project plans
- Photographs of the cultural resource and constituent artifacts or features

If human remains are found during installation of the project, the project operator shall document the discovery as described in the bulleted list above and demonstrate compliance with California Health and Safety Code, Section 7050.5(b). Demonstration of compliance may include:

- Telephone conversation logs
- Copies of email exchanges
- Minutes from field meetings

Verification: The project operator shall provide the documentation described in the previous paragraphs with the reports required under CRR-1, in a confidential appendix. The project operator shall keep this documentation on file for at least 6 months following the start of commercial operation.

No cultural resources or human remains were found during project installation, or since project installation.

CRR-03

CRR-03: The Environmental Coordinator (EC) shall be retained by the project operator. The EC will have the authority to review and approve the following materials and assume the following duties:

- Per CCR-4, design the Worker Environmental Awareness Program;
- Issue stop-work orders as per CCR-4;
- Report to the CPM, CDFW or USFWS any take of special status plants, wildlife, or habitat (per CCR-6);
- The EC shall have the following qualifications: at minimum, will hold a bachelor's degree in in Environmental Science, Environmental Planning, Urban Planning, or a related field, as well as a minimum of 3 years of applicable, relevant experience; and
- The EC shall be available to the CPM or their CEC staff-designee, for consult and updates upon request.

No changes in Q1 2026.

CRR-04

CRR-04: Implementation of a Workers Environmental Awareness Program (WEAP).

Verification: The project operator shall provide a quarterly compliance report to the CPM a record of the number of persons who have completed the training in the prior months and a running total of all persons who have completed the training to date. The signed training acknowledgement forms from construction shall be kept on file by the project operator for a period of at least 6 months after the start of commercial operation. During project operation, signed statements for active project operational personnel shall be kept on file for 6 months following the termination of an individual's employment.

Reference CRR-01 for evidence.

CRR-05

CRR-05: The project operator shall undertake the following:

- Provide representative schematics, diagrams, or shapefiles of the final package unit configuration and linear connections;
- The project operator shall design, install, and maintain project-related features such as access roads and storage and parking areas to avoid identified sensitive resources;
- Stake or fence the limits of the work zone and access roads, and prohibit any offsite use or impacts;
- Eliminate from landscaping or revegetation plans any List A California exotic pest plants of concern as defined by the California Exotic Pest Plant Council;
- Prescribe a road sealant that is non-toxic to wildlife and plants; and
- Design, install, and maintain any additional necessary facility lighting to prevent side casting of light toward native habitat.

Verification: The project operator is to report the proof of the implementation of the measures above on the quarterly compliance reports. This condition and reporting requirement was satisfied during the construction phase and all requirement documentation was submitted to the CPM prior to Roseville assuming operator status on August 29, 2022.

If there are any modifications or updates made to the conditions or criteria specified in the report requirements for CRR-05, those changes will be included in this quarterly report.

CRR-06

CRR-06: The project operator shall implement the following measures to manage its construction site (and related facilities) in a manner to avoid or minimize impacts to local biological and cultural resources:

- Install temporary fencing and provide wildlife escape ramps for construction areas that contain steep-walled holes or trenches if outside an approved, permanent exclusionary fence. The temporary fence shall be hardware cloth or similar material that is approved by the CPM, and CDFW;
- ensure that all food-related trash is disposed of in closed containers and removed at least once a week;
- prohibit feeding of wildlife by staff and subcontractors;
- prohibit non-security-related firearms or weapons on site;
- prohibit pets on site;
- report all inadvertent deaths of sensitive species to the Environmental Coordinator, who will, within 24 hours, notify the CPM, CDFW or United States Fish and Wildlife Service, as appropriate; and
- minimize use of rodenticides and herbicides in the project area.

Verification: Implementation of the measures shall be reported in the quarterly compliance reports by the Environmental Coordinator. Within 30 days after completion of project deployment, the project operator shall provide to the CPM, for review and approval, a written construction termination report identifying how environmental resource measures have been completed. This report may or may not be coincidental with the quarterly monitoring report.

The written construction termination report was submitted and accepted by the CEC on September 29th, 2022. Facility is operational and construction has been completed.

CRR-07

CRR-07: The project has been issued a waiver of the requirements of a construction stormwater pollution prevention plan (SWPPP) by the State Water Resources Control Board based on the low rain erosivity of the site. However, the project operator shall implement stormwater best management practices (BMPs) to ensure that no contaminated water is discharged off-site. Examples of contaminated water include dust suppression water, equipment wash water, and contact stormwater or sediment laden stormwater in the unlikely event that significant rain falls on the project site during construction.

Copy of SWPPP previously submitted on Q3 2022 CEC QAQR report.

CRR-08

CRR-08: Prior to operation of the temporary power generators, the project operator shall notify the residences within 2500 feet from the project site, by mail or by other effective means, of the commencement of project operation. The notification shall include a telephone number for use by the public to report any undesirable noise conditions during the operation of the project. Within five business days, project personnel shall notify the CPM that the above notification has been sent.

If the project receives a noise complaint, project personnel shall document and investigate the complaint to determine the source of the noise. If the investigation determines that the noise is project related, project personnel shall attempt to resolve the complaint to the satisfaction of the complainant.

The project operator shall use the attached Noise Complaint Resolution Form or a functionally equivalent procedure, to document and respond to the noise complaint. The completed form shall be submitted to the CPM within three business days following its completion.

If project personnel and complainant cannot reach consensus, project Personnel shall notify the CPM.

No complaints received in Q1 2026

CRR-09

CRR-09: After construction is complete, the project operator shall submit Semi-Annual Compliance Reports; the project may be required to submit additional compliance reports as mandated by the technical areas. The reports are due to the CPM at a date agreed to by the CPM. Each Semiannual Compliance Report shall identify the reporting period and shall contain the following:

- An updated compliance matrix, in a spreadsheet format. The compliance matrix must identify the following:
    - the technical area and number of the conditions and reporting requirements;
    - a brief description of the submittal required;
    - the date when the submittal is required and the expected or actual submittal date; and
    - the compliance status of each condition and reporting requirement.
- A summary of the current project operating status and an explanation of any significant changes to facility operations;
- Documents required by specific conditions and reporting requirements to be submitted along with the Semi-Annual Compliance Report as attachments; and
- A listing of filings made to, or permits issued by, other governmental agencies during the year.

Submitted in Semi-Annual Report every January and July.

CRR-10

CRR-10: The project operator shall report and provide copies of all incidents, complaints, notices of violation, notices of fines, official warnings, and citations, within seven days of receipt or occurrence, to the CPM. Complaints shall be logged and numbered.

No incidents, complaints, official warnings, and citations in Q1 2026.

CRR-11

CRR-11: At the end of the life of the permit, to ensure that a planned facility closure does not create adverse environmental, health, and safety impacts, the project operator shall submit a facility closure plan to the CEC for review and approval at least 6 months (or other time period agreed to by the CPM) prior to commencement of closure activities.

Facility is currently operational.

CRR-12

CRR-12: The project operator shall comply with the terms and conditions of the Authority to Construct (ATC) and the Permit to Operate (PTO) issued by the Placer County Air Pollution Control District (PCAPCD).

In the event that the air district finds the project to be out of compliance with the terms and conditions of the ATC/PTO, the project operator shall notify the CPM of the violation, and the measures taken to return to compliance, within five days.

				-		2026	001

Year | Non-Compliance Event Number

Placer County AIR POLLUTION CONTROL DISTRICT

110 Maple Street, Auburn, CA 95603 • (530) 745-2330 • Fax (530) 745-2373 • www.placer.ca.gov/apcd

Erik C. White, Air Pollution Control Officer

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART I

submit within 2 business hours after detection of the Non-Compliance Event

1.	**Company Name**	**ROSEVILLE ENERGY PARK - RPEAK**			**Address**	**5120 PHILLIP ROAD, ROSEVILLE, CA.**		
2.	**Title V Source Status**	**Major** Yes ☒ No ☐			**Synthetic Minor** Yes ☐ No ☒			
3.	**For Title V Sources, is the Non-Compliance Event the Result of an Emergency under District Rule 507, Section 402.2(I)**						Yes ☐ No ☒	
4.	**Emission Exceedances**	NOx ☒	SOx ☐	PM ☐	VOC ☐	CO ☐	Opacity ☐	None ☐ check all that apply
5.	**CEMS / COMS / CMS Breakdown**	Yes ☐ No ☒						
6.	**Detection of Non-Compliance Event**	**Date** 1/19/26	**Time** 18:36	☐ AM ☒ PM				
7.	**Start of Non-Compliance Event**	**Date** 1/19/26	**Time** 18:32	☐ AM ☒ PM ☐ Not known				
8.	**Violation**	**Permit No.** REPR-20-03	**Condition No.** 35 a i	**Rule**	**Section**			
9.	**Unit / Equipment Involved**	CT5						
10.	**Description / Cause of Non-Compliance Event**	**NH3 Blower did not start**	☒ additional information attached					
11.	**Immediate Corrective Actions**	**Troubleshooting of blower, started manually**	☐ additional information attached					
12.	**Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction** Yes ☒ No ☐ **If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Pursuant to District Rule 404**							
	Yes ☐	No ☐	Not Able to Determine at this Time ☒	If "Yes", complete and submit the Upset / Breakdown Checklist Form with Part I				
13.	**Submitted By**	Drew Yarbrough	**Telephone** (916) 746 - 1656					
	Signature		**Date** 1/20/26	**Time** 10:00	☒ AM ☐ PM			

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART II

submit within 7 calendar days after end of the Non-Compliance Event

14.	**End of Non-Compliance Event**	**Date** 01/19/26	**Time** 18:57	☐ AM ☒ PM		
15.	**Duration of Non-Compliance Event**	**Hours** 26	**Minutes**			
16.	**Excess Emissions Estimates**	NOx 8.59 lbs	SOx	PM		
	VOC	CO	Opacity	%, for	minutes	Other
17.	**Variance in Effect**	Yes ☐	Variance #	No ☒		
18.	**Corrective and Preventative Actions Taken**	**(a) Minimize Emissions**	**(b) Correct Event**	**(c) Prevent Future Events**	☒ additional information attached	
19.	**If Not Able to Determine in Item 12 of Part I, Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Under District Rule 404**					
	Yes ☐	No ☒	If "Yes", complete and submit the Upset / Breakdown Checklist Form if not previously submitted with Part I			
20.	**Submitted By**	DREW YARBROUGH	**Telephone** (916) 746-1656			

I certify under penalty of law that I am the responsible official for this facility, or his/her duly designated representative, and based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Signature | **Date** | **Time** ☐ AM ☐ PM

Year

2	0			-			

Non-Compliance Event Number

UPSET / BREAKDOWN AND EMERGENCY CHECKLIST

Company Name		Address	
Detection of Non-Compliance Event	Date	Time	☐ AM ☐ PM

Complete the following questions associated with determining whether an event is an "Upset/Breakdown" Event pursuant to Rule 404, and/or an "Emergency" Event pursuant to Rule 507. To be considered as a legitimate Upset / Breakdown or Emergency event, all of the checklist questions must be answered with a "Yes" checkmark.

Yes	No		
☐	☐	1.	Equipment associated with the breakdown event have been designed, maintained, and operated in a manner consistent with minimizing emissions.
☐	☐	2.	The amount and duration of emissions as a result of the event have been minimized.
☐	☐	3.	The event is not part of a recurring pattern of previous breakdowns of the same equipment for same/similar reasons that are indicative of inadequate equipment design, operation, or maintenance.
☐	☐	4.	The event is not the result of operator error, negligence, carelessness, or willful misconduct (i.e., the facility is being properly operated).
☐	☐	5.	The event is not the result of improper equipment design.
☐	☐	6.	The event is not the result of improper preventative maintenance of equipment.
☐	☐	7.	The event is the result of a sudden, unavoidable breakdown of equipment, beyond the control of the operator.
☐	☐	8.	The event could not have been foreseen or avoided or planned for, and could not have been avoided or prevented by better operating and maintenance practices.
☐	☐	9.	The event has not resulted in a nuisance.
☐	☐	10.	The event is not the result of the disregard of air pollution rules or regulations.
☐	☐	11.	This Upset / Breakdown form has been completed and submitted to the District in a timely manner -- within 7 calendar days from the end of the Non-Compliance Event.
☐	☐	12.	Immediate corrective actions have been taken to minimize emissions, as described in Item 11 on the Part I Non-Compliance Event Notification Form.

I certify under penalty of law that I am the responsible official for this facility, or his/her duly designated representative, and based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Signature _____

You are requesting that the District not take enforcement action because the Non-Compliance Event is the result of an "Upset / Breakdown" Event under District Rule 404. A breakdown condition means an unforeseeable failure or malfunction of 1) any air pollution control equipment or related operating equipment which causes a violation of any emission limitations or restriction prescribed by the District Rules and Regulations, or by State law, or 2) any in-stack continuous monitoring equipment, where such failure or malfunction: (1) is not the result of neglect or disregard of any air pollution control law or rule or regulation; (2) is not intentional or the result of negligence; (3) is not the result of improper maintenance; (4) does not constitute a nuisance; (5) is not a recurrent breakdown of the same equipment. You have the burden of providing sufficient information to demonstrate that the Upset / Breakdown was an unforeseeable equipment failure or malfunction that meets the above listed criteria. This checklist must be completed and returned to the District with either the Part 1 or Part II Non-Compliance Event Notification form to attest to your having made this determination. Submission of a request for shielding from enforcement action does not by itself confer such a shield. If breakdown or emission exceeding operations continue after the breakdown or emission exceedance is identified, the possibility exists that the District after consideration of the information provided, the timeliness and completeness of the submittals, and a comparison to other like breakdowns, may ultimately determine that the Non-Compliance Event was not the result of a legitimate Upset / Breakdown event and may elect to take enforcement action. Action to return to compliance should be accomplished as expeditiously as possible. Thus, you are advised to: (1) assure that the breakdown meets the criteria for an unforeseeable failure or malfunction; (2) minimize emissions resulting from the event to the maximum degree possible; and (3) assure that the required failure and malfunction information and information on the corrective actions taken is provided to the District in a complete and timely manner.

CITY OF ROSEVILLE CALIFORNIA

Memorandum

Roseville Electric - Generation

To: Bruce Springsteen, *Manager, Compliance and Enforcement, PCAPCD*
Heather Selvester, *Air Quality Specialist, PCAPCD*

From: Drew Yarbrough, *Power Plant Operations Supervisor*

Date: January 26, 2025

Subject: Non-Compliance Event Notification #2026-001PART II

Bruce,

This memo provides supplemental details to the Non-Compliance Event Notification #2026-001 submitted on January 20, 2026, regarding the incident involving RPEAK Combustion Turbine #5 (CT5).

Incident Summary:

- **Fuel Flow Start:** Approximately 18:33 (CEMS Time)
- **Full Load Achieved:** Approximately 18:38 (CEMS Time)
- **Event:** Excess emissions NOx Per Startup/Shutdown – Limit 3.10 LBS – Due to Ammonia Dilution Blower failure to start.
- **Response:** Operations manually started Ammonia Dilution Blower

Emissions Impact:

Operations initiated an engine startup of CT5 on January 19, 2026, at approximately 18:32. Once online at full load, it was noticed that neither of the two Ammonia Dilution Blowers were in operation. Under normal operation, one of the two blowers should have started automatically in the startup sequence. Without a blower running, the control system does not admit ammonia to the catalyst. The Operator attempted to start one blower manually and place it into the "lead" position, but when doing so, the blower would stop. The Operator attempted this same evolution on the second blower, with the same result. Ultimately, the operator ran one blower manually, without placing it into the "lead" position, to allow ammonia to be begin flowing.

Follow-Up Actions:

The issue could not be replicated, and no remedy was found.

The CT startup procedure had previously been modified, after NCE 2025-025, with a hold point at 11MW, to ensure all equipment was properly operating, and all operating parameters were within their expected ranges. The new procedure was utilized during one test run with positive results but not fully implemented by the time of this Non-Compliance Event. This procedure has now been fully implemented to use on all future startup attempts to allow for sufficient time to ensure all equipment and operating parameters are satisfactory prior to reaching full load where an exceedance would be imminent.

Drew Yarbrough
(916) 746-4656
dyarbrough@roseville.ca.us

Sample Spreadsheet Listing

	CT5_GasFlow_100scfh_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_NOx_SCR_Ppm_1M			CT5_NOx_Ppmvdc_1M			CT5_Startup_TF_1M			CT5_NOx_SUSD_Lbs_1M		
Date/Time	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**
01/19/26 18:30	5			0			0			0.1			0			0		
01/19/26 18:31	5			0			0			0.1			0			0		
01/19/26 18:32	5			0			0			0.1			1			0		
01/19/26 18:33	228			3300312.8			1.6			0			1			0		
01/19/26 18:34	345			238019			10.3			14.33			1			0.03		
01/19/26 18:35	416			251061.1			13			24.09			1			0.1		
01/19/26 18:36	809			487857.4			14.4			26.8			1			0.24		
01/19/26 18:37	1950			671996.1			28.9			27.53			1			0.59		
01/19/26 18:38	2553			626453.6			29.3			24.1			1			0.99		
01/19/26 18:39	2563			598350.1			30.5			26.93			1			1.44		
01/19/26 18:40	2562			607934.6			30.6			27.37			1			1.9		
01/19/26 18:41	2562			607934.6			30.5			27.47			1			2.36		
01/19/26 18:42	2561			607710.1			30.2			27.37			1			2.82		
01/19/26 18:43	2558			607036.6			29.9			27.28			1			3.27		
01/19/26 18:44	2557			606812.1			29.7			27.18			1			3.72		
01/19/26 18:45	2557			606812.1			29.6			26.99			1			4.17		
01/19/26 18:46	2552			605465.2			29.5			26.89			1			4.62		
01/19/26 18:47	2552			615556.3			29.4			27.24			1			5.07		
01/19/26 18:48	2550			615099.8			29.3			27.14			1			5.52		
01/19/26 18:49	2549			614871.5			29.2			27.04			1			5.97		
01/19/26 18:50	2550			636310.1			28.8			27.67			1			6.43		
01/19/26 18:51	2549			636074			28.2			27.26			1			6.88		
01/19/26 18:52	2550			647473.5			27.7			27.33			1			7.33		
01/19/26 18:53	2547			646752.7			27.4			27.12			1			7.78		
01/19/26 18:54	2548			646993			27.3			26.91			1			8.23		
01/19/26 18:55	2547			646752.7			27.2			19.77			1			8.56		
01/19/26 18:56	2548			646993			27.2			1.97			1			8.59		
01/19/26 18:57	2547			646752.7			27.2			1.86			1			8.62		
01/19/26 18:58	2547			646752.7			27.1			1.86			0			0		
01/19/26 18:59	2547			646752.7			27.1			1.76			0			0		
01/19/26 19:00	2547			658301.9			27			1.69			0			0		
01/19/26 19:01	2547			658301.9			26.8			1.69			0			0		

	CT5_GasFlow_100scfh_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_NOx_SCR_Ppm_1M			CT5_NOx_Ppmvdc_1M			CT5_Startup_TF_1M			CT5_NOx_SUSD_Lbs_1M		
Date/Time	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**
01/19/26 19:02	2548			658546.4			26.7			1.69			0			0		
01/19/26 19:03	2548			658546.4			26.7			1.69			0			0		
01/19/26 19:04	2547			658301.9			26.7			1.69			0			0		
01/19/26 19:05	2547			658301.9			26.7			1.79			0			0		
01/19/26 19:06	2545			657812.8			26.7			1.79			0			0		
01/19/26 19:07	2547			658301.9			26.7			1.79			0			0		
01/19/26 19:08	2547			658301.9			26.7			1.79			0			0		
01/19/26 19:09	2547			658301.9			26.7			1.9			0			0		
01/19/26 19:10	2547			658301.9			26.7			1.9			0			0		
01/19/26 19:11	2546			658057.3			26.7			1.9			0			0		
01/19/26 19:12	2546			658057.3			26.7			1.9			0			0		
01/19/26 19:13	2546			658057.3			26.7			1.9			0			0		
01/19/26 19:14	2545			657812.8			26.7			1.9			0			0		
01/19/26 19:15	2546			658057.3			26.7			2			0			0		
01/19/26 19:16	2548			658546.4			26.6			2			0			0		
01/19/26 19:17	2546			658057.3			26.5			2			0			0		
01/19/26 19:18	2544			657568.2			26.5			2			0			0		
01/19/26 19:19	2545			657812.8			26.4			2			0			0		
01/19/26 19:20	2546			658057.3			26.4			2			0			0		
01/19/26 19:21	2545			657812.8			26.4			2			0			0		
01/19/26 19:22	2546			658057.3			26.3			2			0			0		
01/19/26 19:23	2545			657812.8			26.2			2			0			0		
01/19/26 19:24	2547			658301.9			26.2			2			0			0		
01/19/26 19:25	2546			658057.3			26.2			2			0			0		
01/19/26 19:26	2546			658057.3			26.2			2.11			0			0		
01/19/26 19:27	2545			657812.8			26.3			2.21			0			0		
01/19/26 19:28	2545			657812.8			26.3			2.21			0			0		
01/19/26 19:29	2546			658057.3			26.3			2.11			0			0		
01/19/26 19:30	2546			658057.3			26.3			2.11			0			0		

Sample Spreadsheet Listing

	CT5_GasFlow_100scfh_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_NH3Inj_LbPerHr_1M			CT5_WaterInj_GPM_1M			CT5_Load_MWe_1M			CT5_NOx_SUSD_Lbs_1M		
Date/Time	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**
01/19/26 18:30	5			0			0.1			0.1			0			0		
01/19/26 18:31	5			0			0.1			0			0			0		
01/19/26 18:32	5			0			0.1			0			0			0		
01/19/26 18:33	228			3300312.8			0.1			0.1			0			0		
01/19/26 18:34	345			238019			0.1			0			0			0.03		
01/19/26 18:35	416			251061.1			0.1			0			0			0.1		
01/19/26 18:36	809			487857.4			0.1			0.7			5.2			0.24		
01/19/26 18:37	1950			671996.1			0.1			14.5			19.8			0.59		
01/19/26 18:38	2553			626453.6			0.1			23			27.3			0.99		
01/19/26 18:39	2563			598350.1			0.1			23.2			27.4			1.44		
01/19/26 18:40	2562			607934.6			0.1			23.3			27.4			1.9		
01/19/26 18:41	2562			607934.6			0.1			23.4			27.4			2.36		
01/19/26 18:42	2561			607710.1			0.1			23.4			27.3			2.82		
01/19/26 18:43	2558			607036.6			0.1			23.4			27.4			3.27		
01/19/26 18:44	2557			606812.1			0.1			23.4			27.4			3.72		
01/19/26 18:45	2557			606812.1			0.1			23.4			27.4			4.17		
01/19/26 18:46	2552			605465.2			0.1			23.4			27.4			4.62		
01/19/26 18:47	2552			615556.3			0.1			23.4			27.4			5.07		
01/19/26 18:48	2550			615099.8			0.1			23.4			27.4			5.52		
01/19/26 18:49	2549			614871.5			0.1			23.3			27.4			5.97		
01/19/26 18:50	2550			636310.1			0.1			23.4			27.4			6.43		
01/19/26 18:51	2549			636074			0.1			23.4			27.3			6.88		
01/19/26 18:52	2550			647473.5			0.1			23.4			27.3			7.33		
01/19/26 18:53	2547			646752.7			0.1			23.4			27.4			7.78		
01/19/26 18:54	2548			646993			43			23.4			27.4			8.23		
01/19/26 18:55	2547			646752.7			98.9			23.4			27.4			8.56		
01/19/26 18:56	2548			646993			99.1			23.4			27.4			8.59		
01/19/26 18:57	2547			646752.7			99.1			23.5			27.3			8.62		
01/19/26 18:58	2547			646752.7			100.1			23.5			27.4			0		
01/19/26 18:59	2547			646752.7			100.1			23.4			27.4			0		
01/19/26 19:00	2547			658301.9			100.1			23.5			27.4			0		
01/19/26 19:01	2547			658301.9			100.1			23.5			27.3			0		

	CT5_GasFlow_100scfh_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_NH3Inj_LbPerHr_1M			CT5_WaterInj_GPM_1M			CT5_Load_MWe_1M			CT5_NOx_SUSD_Lbs_1M		
Date/Time	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**
01/19/26 19:02	2548			658546.4			98.6			23.5			27.3			0		
01/19/26 19:03	2548			658546.4			96.1			23.5			27.4			0		
01/19/26 19:04	2547			658301.9			96.1			23.5			27.3			0		
01/19/26 19:05	2547			658301.9			96.1			23.5			27.4			0		
01/19/26 19:06	2545			657812.8			95.7			23.4			27.3			0		
01/19/26 19:07	2547			658301.9			94			23.5			27.3			0		
01/19/26 19:08	2547			658301.9			93.1			23.4			27.4			0		
01/19/26 19:09	2547			658301.9			93.1			23.5			27.3			0		
01/19/26 19:10	2547			658301.9			93.1			23.5			27.3			0		
01/19/26 19:11	2546			658057.3			93.1			23.4			27.4			0		
01/19/26 19:12	2546			658057.3			93.1			23.4			27.3			0		
01/19/26 19:13	2546			658057.3			92.1			23.5			27.4			0		
01/19/26 19:14	2545			657812.8			91.2			23.4			27.3			0		
01/19/26 19:15	2546			658057.3			89.9			23.4			27.4			0		
01/19/26 19:16	2548			658546.4			91.3			23.5			27.4			0		
01/19/26 19:17	2546			658057.3			89.8			23.4			27.3			0		
01/19/26 19:18	2544			657568.2			89.1			23.4			27.4			0		
01/19/26 19:19	2545			657812.8			89.1			23.4			27.4			0		
01/19/26 19:20	2546			658057.3			89.1			23.5			27.3			0		
01/19/26 19:21	2545			657812.8			89.1			23.5			27.4			0		
01/19/26 19:22	2546			658057.3			89.1			23.5			27.3			0		
01/19/26 19:23	2545			657812.8			89.1			23.6			27.4			0		
01/19/26 19:24	2547			658301.9			88.6			23.5			27.3			0		
01/19/26 19:25	2546			658057.3			86.2			23.5			27.3			0		
01/19/26 19:26	2546			658057.3			87			23.5			27.4			0		
01/19/26 19:27	2545			657812.8			89.1			23.5			27.3			0		
01/19/26 19:28	2545			657812.8			89.1			23.5			27.4			0		
01/19/26 19:29	2546			658057.3			88.9			23.5			27.4			0		
01/19/26 19:30	2546			658057.3			86.1			23.5			27.3			0		

Startup/Shutdown Event Report

CT5 - NOx Lbs Per Startup/Shutdown

From: 01/19/2026 00:00 **To:** 01/19/2026 23:59 **Facility Name:** ROSEVILLE ENERGY
Generated: 01/20/2026 09:34 **Location:** Roseville, CA
Tag Name: CT5_NOx_LbPerHr_1M
SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1.55 Hours
Non-Operating Time: 22.45 Hours Report Time: 24.00 Hours

Unit Operation and Excess Events

Event Period				Reason	Action
Begin/End	Duration in Minute(s)	Lb/Event	Limit	Code - Description	Code - Description
01/19/2026 18:32 01/19/2026 18:57 Startup	26	8.59 *	3.10		
01/19/2026 19:57 01/19/2026 20:04 Shutdown	8	0.14	3.40		

Total Duration of Excess Emission	**26**	**Minute(s)**
Time of Excess Emission as a percentage of operating time	**27.96**	**%**
Time in compliance as percentage of operating time	**72.04**	**%**

Startup/Shutdown Event Report

CT5 - NOx Lbs Per Startup/Shutdown

From: 01/19/2026 00:00 **To:** 01/19/2026 23:59 **Facility Name:** ROSEVILLE ENERGY
Generated: 01/20/2026 09:34 **Location:** Roseville, CA
Tag Name: CT5_NOx_LbPerHr_1M SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1.55 Hours
Non-Operating Time: 22.45 Hours Report Time: 24.00 Hours

Event Invalid Information

No invalid events were found in the reporting period.

Startup/Shutdown Event Report

CT5 - NOx Lbs Per Startup/Shutdown

From: 01/19/2026 00:00 **To:** 01/19/2026 23:59 **Facility Name:** ROSEVILLE ENERGY
Generated: 01/20/2026 09:34 **Location:** Roseville, CA
Tag Name: CT5_NOx_LbPerHr_1M
SI = SampleInvalid, * = Excess Emission

Total Operating Time: 1.55 Hours
Non-Operating Time: 22.45 Hours Report Time: 24.00 Hours

Periodic Excess and Invalid Summary

Emission Data Summary		CMS Performance Summary	
1. Duration of excess emission in event reporting period due to:		1. CMS downtime in event reporting period due to:	
a. Startup/shutdown	0	a. Monitor equipment malfunctions	0
b. Control equipment problems	0	b. Non-Monitor equipment malfunctions	0
c. Process problems	0	c. Quality assurance calibration	0
d. Other known causes	0	d. Other known causes	0
e. Unknown causes	26	e. Unknown causes	0
2. Total Duration of Excess Emission in Minute(s)	26	2. Total CMS Downtime in Minute(s)	0
3. Time of Excess Emission as a percentage of operating time	27.96	3. Total Downtime as a percentage of operating time	0.00
4. Time in compliance as percentage of operating time	72.04	4. Total Availability as a percentage of operating time	100.00

| | | | | |-| | 2026 002
Year — Non-Compliance Event Number

Placer County
110 Maple Street, Auburn, CA 95603 • (530) 745-2330 • Fax (530) 745-2373 • www.placer.ca.gov/apcd
Erik C. White, Air Pollution Control Officer

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART I

submit within 2 business hours after detection of the Non-Compliance Event

1. **Company Name** ROSEVILLE ENERGY PARK - RPEAK	**Address** 5120 PHILLIP ROAD, ROSEVILLE, CA.
2. **Title V Source Status** Major Yes ☒ No ☐	Synthetic Minor Yes ☐ No ☒
3. **For Title V Sources, is the Non-Compliance Event the Result of an Emergency under District Rule 507, Section 402.2(l)**	Yes ☐ No ☒
4. **Emission Exceedances** NOx ☒ SOx ☐ PM ☐ VOC ☐ CO ☐ Opacity ☐ None ☐	check all that apply
5. **CEMS / COMS / CMS Breakdown** Yes ☐ No ☒	
6. **Detection of Non-Compliance Event** Date 1/26/26	Time 11:34 ☒ AM ☐ PM
7. **Start of Non-Compliance Event** Date 1/26/26	Time 11:29 ☒ AM ☐ PM ☐ Not known
8. **Violation** Permit No. REPR-20-03 Condition No. 34 a, b	Rule Section
9. **Unit / Equipment Involved** CT5	
10. **Description / Cause of Non-Compliance Event** Loss of ammonia flow	☒ additional information attached
11. **Immediate Corrective Actions** Shutdown CT5 within 8 min. to troubleshoot	☒ additional information attached
12. **Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction** Yes ☒ No ☐ **If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Pursuant to District Rule 404**	
Yes ☐ No ☐ Not Able to Determine at this Time ☒	If "Yes", complete and submit the Upset / Breakdown Checklist Form with Part I
13. **Submitted By** Drew Yarbrough	**Telephone** (916) 746 - 1656
Signature [signature]	**Date** 1/26/26 **Time** 12:41 ☐ AM ☒ PM

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART II

submit within 7 calendar days after end of the Non-Compliance Event

14. **End of Non-Compliance Event** Date 1/26/2026	Time 11:59 ☒ AM ☐ PM
15. **Duration of Non-Compliance Event** 1 Hours	Minutes
16. **Excess Emissions Estimates** NOx 4.5 PPM & 4.68 lbs SOx PM	VOC CO Opacity %, for minutes Other
17. **Variance in Effect** Yes ☐ Variance #	No ☒
18. **Corrective and Preventative Actions Taken** (a) Minimize Emissions (b) Correct Event (c) Prevent Future Events	☒ additional information attached
19. **If Not Able to Determine in Item 12 of Part I, Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction** **If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Under District Rule 404**	
Yes ☐ No ☒	If "Yes", complete and submit the Upset / Breakdown Checklist Form if not previously submitted with Part I
20. **Submitted By** DREW YARBROUGH	**Telephone** (916) 746 1656
I certify under penalty of law that I am the responsible official for this facility, or his/her duly designated representative, and based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. **Signature** [signature]	**Date** 2/2/2026 **Time** 13:00 ☐ AM ☒ PM

Year

2	0			-			

Non-Compliance Event Number

UPSET / BREAKDOWN AND EMERGENCY CHECKLIST

Company Name		Address	
Detection of Non-Compliance Event	Date	Time	☐ AM ☐ PM

Complete the following questions associated with determining whether an event is an "Upset/Breakdown" Event pursuant to Rule 404, and/or an "Emergency" Event pursuant to Rule 507. To be considered as a legitimate Upset / Breakdown or Emergency event, all of the checklist questions must be answered with a "Yes" checkmark.

Yes	No		
☐	☐	1.	Equipment associated with the breakdown event have been designed, maintained, and operated in a manner consistent with minimizing emissions.
☐	☐	2.	The amount and duration of emissions as a result of the event have been minimized.
☐	☐	3.	The event is not part of a recurring pattern of previous breakdowns of the same equipment for same/similar reasons that are indicative of inadequate equipment design, operation, or maintenance.
☐	☐	4.	The event is not the result of operator error, negligence, carelessness, or willful misconduct (i.e., the facility is being properly operated).
☐	☐	5.	The event is not the result of improper equipment design.
☐	☐	6.	The event is not the result of improper preventative maintenance of equipment.
☐	☐	7.	The event is the result of a sudden, unavoidable breakdown of equipment, beyond the control of the operator.
☐	☐	8.	The event could not have been foreseen or avoided or planned for, and could not have been avoided or prevented by better operating and maintenance practices.
☐	☐	9.	The event has not resulted in a nuisance.
☐	☐	10.	The event is not the result of the disregard of air pollution rules or regulations.
☐	☐	11.	This Upset / Breakdown form has been completed and submitted to the District in a timely manner -- within 7 calendar days from the end of the Non-Compliance Event.
☐	☐	12.	Immediate corrective actions have been taken to minimize emissions, as described in Item 11 on the Part I Non-Compliance Event Notification Form.

I certify under penalty of law that I am the responsible official for this facility, or his/her duly designated representative, and based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Signature _____

You are requesting that the District not take enforcement action because the Non-Compliance Event is the result of an "Upset / Breakdown" Event under District Rule 404. A breakdown condition means an unforeseeable failure or malfunction of 1) any air pollution control equipment or related operating equipment which causes a violation of any emission limitations or restriction prescribed by the District Rules and Regulations, or by State law, or 2) any in-stack continuous monitoring equipment, where such failure or malfunction: (1) is not the result of neglect or disregard of any air pollution control law or rule or regulation; (2) is not intentional or the result of negligence; (3) is not the result of improper maintenance; (4) does not constitute a nuisance; (5) is not a recurrent breakdown of the same equipment. You have the burden of providing sufficient information to demonstrate that the Upset / Breakdown was an unforeseeable equipment failure or malfunction that meets the above listed criteria. This checklist must be completed and returned to the District with either the Part 1 or Part II Non-Compliance Event Notification form to attest to your having made this determination. Submission of a request for shielding from enforcement action does not by itself confer such a shield. If breakdown or emission exceeding operations continue after the breakdown or emission exceedance is identified, the possibility exists that the District after consideration of the information provided, the timeliness and completeness of the submittals, and a comparison to other like breakdowns, may ultimately determine that the Non-Compliance Event was not the result of a legitimate Upset / Breakdown event and may elect to take enforcement action. Action to return to compliance should be accomplished as expeditiously as possible. Thus, you are advised to: (1) assure that the breakdown meets the criteria for an unforeseeable failure or malfunction; (2) minimize emissions resulting from the event to the maximum degree possible; and (3) assure that the required failure and malfunction information and information on the corrective actions taken is provided to the District in a complete and timely manner.

CITY OF ROSEVILLE CALIFORNIA

Memorandum

Roseville Electric - Generation

To: Bruce Springsteen, *Manager, Compliance and Enforcement, PCAPCD*
Heather Selvester, *Air Quality Specialist, PCAPCD*

From: Drew Yarbrough, *Power Plant Operations Supervisor*

Date: February 2nd, 2026

Subject: Non-Compliance Event Notification #2026-002 PART II

Bruce,

This memo provides supplemental details to the Non-Compliance Event Notification #2026-002 submitted on January 26, 2026, regarding an incident involving RPEAK Combustion Turbine #5 (CT5).

Incident Summary:

- **Fuel Flow Start:** 09:51 (CEMS Time)
- **Full Load Achieved:** 09:59 (CEMS Time)
- **Time of Loss of NH3 Flow:** 11:30 (CEMS Time)
- **Time of Return of NH3 Flow:** 11:33 (CEMS Time)
- **Time of Shutdown Command:** 11:42
- **Fuel Flow Stop:** 11:49 (CEMS Time)
- **Event:** Loss of NH3 (Ammonia) flow.
- **Response:** CT5 was shut down due to NH3 flow anomalies

Emissions Impact:

During a scheduled run on 1/26/2026, the Operator in the Control Room noticed a rise in the NOx reading on the DAHS for CT5. The Operator took action and began to review the DAHS minute data to better understand the event. Upon reviewing the data, it was noticed that there was a five-minute period where NH3 (Ammonia) flow was outside normal operating condition; for the first of five minutes, the flow is shown to be decreasing, flow then stayed at zero for three minutes, then flow rose for one minute, eventually returning to normal operating conditions. The loss of flow resulted in a 5-minute NOx spike, raising our hourly average PPM, and LbPerHr values above our permit limits. Due to there not being any valid operational reason for there to be a reduction in NH3 flow, the decision was made to shut down the CT to reduce the possibility of the event reoccurring.

Upon shutdown, the Instrument and Controls Technicians began troubleshooting. They found that at the same time as the loss of NH3 flow there was a correlating event with the SCR Catalyst Thermocouples also reading zero degrees Fahrenheit, in the PLC. Through further troubleshooting, a determination was made that the SCR Thermocouple I/O Card for the PLC had gone into a fault condition due to the loss of signal from the "Terminal Block Detection Switch". There appeared to be a vibration on the NH3 skid that was causing the Terminal Block Detection Switch to lose contact, nullifying the readings from the SCR Thermocouples.

To inject NH3 into the SCR Catalyst, the catalyst must be within a defined temperature range. When the system is operated outside of that temperature range the NH3 system will not inject NH3 to protect the SCR. When the indicated SCR temperature in the PLC had gone to zero, the NH3 injection permissive was lost, closing the NH3 block valve. Upon return of the SCR Catalyst Temperature readings to their normal operating range, the NH3 block valve reopened allowing normal flow to the catalyst.

Follow-Up Actions:

Instrument and Controls Technicians manipulated the reaction arm on the associated Terminal Block Detection Switches to ensure proper contact would be made. After a test run, this appears to have rectified the issue. As a follow-up, the technicians also performed the reaction arm manipulation on CT6 to ensure this issue will not affect either CT during future runs.

Additionally, we are investigating the possibility of adding audible alarms to critical points within the PLC. In this instance, an audible alarm could have notified the Operator of the loss of NH3 flow or low catalyst temperature. Staff are also investigating programming an automatic engine shutdown. If either are deemed feasible, we will implement changes to add additional safeguards.

Drew Yarbrough

(916) 746-1656
dyarbrough@roseville.ca.us

NOx Ppmvdc 1-Hour Block Excess Emissions

CT5

From: 01/26/2026 00:00 **To:** 01/26/2026 12:16 **Facility Name:** ROSEVILLE ENERGY
Generated: 01/26/2026 12:18 **Location:** Roseville, CA

Tag Name: CT5_NOx_Norm_Ppmvdc_1H
Total Operating Time: 3.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 10.00 Hour(s) Report Time: 13.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	01/26/26 11:00	01/26/26 11:59	1	4.5	2.5	3 - Process Problems	19 - SHUT DOWN UNIT FOR REPAIR

Total Operating Time:	**3.00 Hour(s)**
Total Duration (Online only):	**1.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**33.33 %**
Time in compliance as a percentage of operating time:	**66.67 %**

Report Code	Type	Text	Duration	Duration Percent
3	Reason	Process Problems	1	100.00
19	Action	SHUT DOWN UNIT FOR REPAIR	1	100.00

NOx LbPerHr 1-Hour Block Excess Emissions

CT5

From: 01/26/2026 00:00 **To:** 01/26/2026 12:18 **Facility Name:** ROSEVILLE ENERGY
Generated: 01/26/2026 12:19 **Location:** Roseville, CA

Tag Name: CT5_NOx_Norm_LbPerHr_1H
Total Operating Time: 3.00 Hour(s) **No Exclusions Allowed**
Non-Operating Time: 10.00 Hour(s) Report Time: 13.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	01/26/26 11:00	01/26/26 11:59	1	4.63	2.71	3 - Process Problems	19 - SHUT DOWN UNIT FOR REPAIR

Total Operating Time:	**3.00 Hour(s)**
Total Duration (Online only):	**1.00 Hour(s)**
Time in exceedance as a percentage of operating time:	**33.33 %**
Time in compliance as a percentage of operating time:	**66.67 %**

Report Code	Type	Text	Duration	Duration Percent
3	Reason	Process Problems	1	100.00
19	Action	SHUT DOWN UNIT FOR REPAIR	1	100.00

Sample Spreadsheet Listing

NOx EXCEEDANCE

	CT5_GasFlow_100scfh_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_NH3Inj_LbPerHr_1M			CT5_Load_MWe_1M			CT5_NOx_Norm_Ppmvdc_1H			CT5_NOx_Norm_LbPerHr_1H		
Date/Time	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**
01/26/26 11:00	2629			182087.6	X		85.1			28.3			4.5			4.63		
01/26/26 11:01	2627			181956.5	X		85.1			28.3								
01/26/26 11:02	2627			181956.5	X		85.1			28.4								
01/26/26 11:03	2628			182022.1	X		85.1			28.3								
01/26/26 11:04	2627			181956.5	X		85.1			28.4								
01/26/26 11:05	2627			181956.5	X		85.1			28.4								
01/26/26 11:06	2628			306795.2	X		85.1			28.3								
01/26/26 11:07	2628			691683.8	X		85.1			28.3								
01/26/26 11:08	2629			679576.9	X		82.9			28.3								
01/26/26 11:09	2629			656143.2	X		53.9			28.3								
01/26/26 11:10	2628			667414.2	X		102.1			28.3								
01/26/26 11:11	2629			691932.8			102.1			28.3								
01/26/26 11:12	2629			691932.8			102.1			28.3								
01/26/26 11:13	2629			691932.8			102.1			28.3								
01/26/26 11:14	2630			679821.4			103.3			28.3								
01/26/26 11:15	2629			679576.9			102.6			28.3								
01/26/26 11:16	2630			679821.4			102.7			28.3								
01/26/26 11:17	2629			679576.9			102.2			28.3								
01/26/26 11:18	2631			680065.9			100.8			28.3								
01/26/26 11:19	2631			680065.9			99			28.3								
01/26/26 11:20	2630			679821.4			98.1			28.3								
01/26/26 11:21	2629			679576.9			97.5			28.3								
01/26/26 11:22	2630			679821.4			95.3			28.3								
01/26/26 11:23	2630			679821.4			94.1			28.3								
01/26/26 11:24	2629			679576.9			94.1			28.3								
01/26/26 11:25	2629			679576.9			94.1			28.3								
01/26/26 11:26	2629			679576.9			94.1			28.3								
01/26/26 11:27	2629			679576.9			90.1			28.3								
01/26/26 11:28	2630			679821.4			90.1			28.3								
01/26/26 11:29	2630			679821.4			21.5			28.3								
01/26/26 11:30	2630			624098.3			0			28.3								
01/26/26 11:31	2630			624098.3			0			28.3								

	CT5_GasFlow_100scfh_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_NH3Inj_LbPerHr_1M			CT5_Load_MWe_1M			CT5_NOx_Norm_Ppmvdc_1H			CT5_NOx_Norm_LbPerHr_1H		
Date/Time	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**
01/26/26 11:32	2631			624322.8			0			28.3								
01/26/26 11:33	2633			624771.8			79.3			28.3								
01/26/26 11:34	2638			707028.7			105.1			28.3								
01/26/26 11:35	2637			748350.1			105.1			28.3								
01/26/26 11:36	2634			733168.7			105.1			28.3								
01/26/26 11:37	2635			706267.9			105.1			28.3								
01/26/26 11:38	2632			680310.5			104.1			28.3								
01/26/26 11:39	2631			680065.9			104.2			28.3								
01/26/26 11:40	2632			680310.5			105.1			28.3								
01/26/26 11:41	2634			680799.6			102.2			28.3								
01/26/26 11:42	2424			626511.7			93.2			25.2								
01/26/26 11:43	1519			458186.6			56.7			13.4								
01/26/26 11:44	473			207488.5			20.3			0.7								
01/26/26 11:45	391			257078.3			14			0								
01/26/26 11:46	395			248878			14.4			0								
01/26/26 11:47	396			249473.4			16.3			0								
01/26/26 11:48	398			250664.2			17.9			0								
01/26/26 11:49	132			83356.3			12.7			0								
01/26/26 11:50	1			4564.7			4.9			0								
01/26/26 11:51	1			0			0			0								
01/26/26 11:52	2			0			0			0								
01/26/26 11:53	1			0			0			0								
01/26/26 11:54	1			0			0			0								
01/26/26 11:55	1			0			0			0								

Sample Spreadsheet Listing

LOSS OF AMMONIA FLOW, LEADING TO INCREASE IN NOx

	CT5_GasFlow_100scfh_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_NH3Inj_LbPerHr_1M			CT5_WaterInj_GPM_1M			CT5_NOx_Ppmvdc_1M			CT5_NOx_1Hr_Ppmvdc_1M		
Date/Time	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**
01/26/26 11:25	2629			679576.9			94.1			25.3			1.79			1.6		
01/26/26 11:26	2629			679576.9			94.1			25.3			1.79			1.6		
01/26/26 11:27	2629			679576.9			90.1			25.3			1.79			1.6		
01/26/26 11:28	2630			679821.4			90.1			25.4			1.79			1.6		
01/26/26 11:29	2630			679821.4			21.5			25.3			1.79			1.6		
01/26/26 11:30	2630			624098.3			0		LOSS OF	25.4			15.67			2.4		
01/26/26 11:31	2630			624098.3			0		AMM.	25.4			25.53		INCREASED	3.6		
01/26/26 11:32	2631			624322.8			0		FLOW	25.5			25.63		NOx	4.7		
01/26/26 11:33	2633			624771.8			79.3			25.5			25.53		PPM	5.6		INCREASED
01/26/26 11:34	2638			707028.7			105.1			25.5			6.77		IM. DATA	5.7		NOx PPM
01/26/26 11:35	2637			748350.1			105.1			25.5			1.97			5.5		1 HR
01/26/26 11:36	2634			733168.7			105.1			25.5			1.59			5.4		
01/26/26 11:37	2635			706267.9			105.1			25.5			1.2			5.3		
01/26/26 11:38	2632			680310.5			104.1			25.4			1.16			5.1		
01/26/26 11:39	2631			680065.9			104.2			25.4			1.26			5		
01/26/26 11:40	2632			680310.5			105.1			25.3			1.48			4.9		
01/26/26 11:41	2634			680799.6			102.2			25.5			1.48			4.8		
01/26/26 11:42	2424			626511.7			93.2			22.9			1.58			4.8		
01/26/26 11:43	1519			458186.6			56.7			9			1.72			4.8		
01/26/26 11:44	473			207488.5			20.3			0.9			1.97			4.8		
01/26/26 11:45	391			257078.3			14			0.2			2.41			4.8		
01/26/26 11:46	395			248878			14.4			1.4			3.33			4.8		
01/26/26 11:47	396			249473.4			16.3			5.4			4.62			4.8		
01/26/26 11:48	398			250664.2			17.9			6.5			5.13			4.8		
01/26/26 11:49	132			83356.3			12.7			2.4			4.36			4.8		
01/26/26 11:50	1			4564.7			4.9			0			1.1			4.8		
01/26/26 11:51	1			0			0			0			0.5			4.8		
01/26/26 11:52	2			0			0			0.1			0.2			4.8		
01/26/26 11:53	1			0			0			0.1			0.1			4.8		
01/26/26 11:54	1			0			0			0.1			0			4.8		
01/26/26 11:55	1			0			0			0.1			0			4.8		

Sample Spreadsheet Listing

	CT5_GasFlow_100scfh_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_NH3Inj_LbPerHr_1M			CT5_WaterInj_GPM_1M			CT5_NOx_Ppmvdc_1M			CT5_Load_MWe_1M		
Date/Time	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**
01/26/26 11:25	2629			679576.9			94.1			25.3			1.79			28.3		
01/26/26 11:26	2629			679576.9			94.1			25.3			1.79			28.3		
01/26/26 11:27	2629			679576.9			90.1			25.3			1.79			28.3		
01/26/26 11:28	2630			679821.4			90.1			25.4			1.79			28.3		
01/26/26 11:29	2630			679821.4			21.5			25.3			1.79			28.3		
01/26/26 11:30	2630			624098.3			0			25.4			15.67			28.3		
01/26/26 11:31	2630			624098.3			0			25.4			25.53			28.3		
01/26/26 11:32	2631			624322.8			0			25.5			25.63			28.3		
01/26/26 11:33	2633			624771.8			79.3			25.5			25.53			28.3		
01/26/26 11:34	2638			707028.7			105.1			25.5			6.77			28.3		
01/26/26 11:35	2637			748350.1			105.1			25.5			1.97			28.3		
01/26/26 11:36	2634			733168.7			105.1			25.5			1.59			28.3		
01/26/26 11:37	2635			706267.9			105.1			25.5			1.2			28.3		
01/26/26 11:38	2632			680310.5			104.1			25.4			1.16			28.3		
01/26/26 11:39	2631			680065.9			104.2			25.4			1.26			28.3		
01/26/26 11:40	2632			680310.5			105.1			25.3			1.48			28.3		
01/26/26 11:41	2634			680799.6			102.2			25.5			1.48			28.3		
01/26/26 11:42	2424			626511.7			93.2			22.9			1.58			25.2		
01/26/26 11:43	1519			458186.6			56.7			9			1.72			13.4		
01/26/26 11:44	473			207488.5			20.3			0.9			1.97			0.7		
01/26/26 11:45	391			257078.3			14			0.2			2.41			0		
01/26/26 11:46	395			248878			14.4			1.4			3.33			0		
01/26/26 11:47	396			249473.4			16.3			5.4			4.62			0		
01/26/26 11:48	398			250664.2			17.9			6.5			5.13			0		
01/26/26 11:49	132			83356.3			12.7			2.4			4.36			0		
01/26/26 11:50	1			4564.7			4.9			0			1.1			0		
01/26/26 11:51	1			0			0			0			0.5			0		
01/26/26 11:52	2			0			0			0.1			0.2			0		
01/26/26 11:53	1			0			0			0.1			0.1			0		
01/26/26 11:54	1			0			0			0.1			0			0		
01/26/26 11:55	1			0			0			0.1			0			0		

LOSS OF AMM. FLOW

INCREASED NOx PPM IM. DATA

CT5 SHUTDOWN DUE TO HIGH NOx

Sample Spreadsheet Listing

CT5 SHUTDOWN AT 11:42 TO REDUCE NOx EMISSIONS

	CT5_GasFlow_100scfh_1M			CT5_Load_MWe_1M			CT5_NH3Inj_LbPerHr_1M			CT5_WaterInj_GPM_1M			CT5_NOx_Ppmvdc_1M			CT5_Shutdown_Minutes_1M		
Date/Time	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**	**Value**	**SI**	**Modc**
01/26/26 11:25	2629			28.3			94.1			25.3			1.79			0		
01/26/26 11:26	2629			28.3			94.1			25.3			1.79			0		
01/26/26 11:27	2629			28.3			90.1			25.3			1.79			0		
01/26/26 11:28	2630			28.3			90.1			25.4			1.79			0		
01/26/26 11:29	2630			28.3			21.5			25.3			1.79			0		
01/26/26 11:30	2630			28.3			0			25.4			15.67			0		
01/26/26 11:31	2630			28.3			0			25.4			25.53			0		
01/26/26 11:32	2631			28.3			0			25.5			25.63			0		
01/26/26 11:33	2633			28.3			79.3			25.5			25.53			0		
01/26/26 11:34	2638			28.3			105.1			25.5			6.77			0		
01/26/26 11:35	2637			28.3			105.1			25.5			1.97			0		
01/26/26 11:36	2634			28.3			105.1			25.5			1.59			0		
01/26/26 11:37	2635			28.3			105.1			25.5			1.2			0		
01/26/26 11:38	2632			28.3			104.1			25.4			1.16			0		
01/26/26 11:39	2631			28.3			104.2			25.4			1.26			0		
01/26/26 11:40	2632			28.3			105.1			25.3			1.48			0		
01/26/26 11:41	2634			28.3			102.2			25.5			1.48			0		
01/26/26 11:42	2424			25.2			93.2			22.9			1.58			1		
01/26/26 11:43	1519			13.4			56.7			9			1.72			2		
01/26/26 11:44	473			0.7			20.3			0.9			1.97			3		
01/26/26 11:45	391			0			14			0.2			2.41			4		
01/26/26 11:46	395			0			14.4			1.4			3.33			5		
01/26/26 11:47	396			0			16.3			5.4			4.62			6		
01/26/26 11:48	398			0			17.9			6.5			5.13			7		
01/26/26 11:49	132			0			12.7			2.4			4.36			8		
01/26/26 11:50	1			0			4.9			0			1.1			0		
01/26/26 11:51	1			0			0			0			0.5			0		
01/26/26 11:52	2			0			0			0.1			0.2			0		
01/26/26 11:53	1			0			0			0.1			0.1			0		
01/26/26 11:54	1			0			0			0.1			0			0		
01/26/26 11:55	1			0			0			0.1			0			0		
01/26/26 11:56	1			0			0			0.1			0			0		

CT5 SHUTDOWN DUE TO HIGH NOx

CRR-13

CRR-13: The project operator shall provide an emissions reporting protocol to the CPM for review and approval. The emissions reporting protocol shall explain the procedures for estimating criteria pollutant emissions during emergency operation and reliability testing. The protocol shall list the calculation methodologies, operational parameters used to quantify emissions (e.g., fuel flow, gross calorific value of fuel, predetermined emission factors, water injection, megawatts, etc.), and any assumptions made in the estimate. The protocol shall be submitted at the end of each operating quarter for approval. Upon approval of the protocol, the operational emissions shall be reported using and presenting the same calculation methodologies, operational parameters and assumptions used to quantify emissions. Emissions shall be reported to the CPM quarterly. In addition to emissions reporting, the reported data shall include fuel use, hours of operation and times of operation, and energy produced by that use and operation.

(CEC 1304 reflects fuel use & energy produced)

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CEC-1304 SCHEDULE 2 Part A: Generation and Fuel Use by Generator

CEC-1304 (Revised 06/2019)

Reporting Period	
Year:	2026
Quarter:	1

One Schedule 2-A for each generator (unit) in plant.

CEC Plant ID:	G0213
EIA Plant ID:	56298
Generator (Unit) ID:	CT5 & CT6
Qualifying Facility ID:	0

			Primary Energy Source :				Secondary Energy Source:			
Month	Gross MWh	Net MWh	Fuel Use in MCF, bbl, or ton	Fuel Use in MMBtu	Fuel Supplied by Tolling Agreement (Percent) (1)	Fuel Cost (1)	Fuel Use in MCF, bbl, or ton	Fuel Use in MMBtu	Fuel Supplied by Tolling Agreement (Percent) (1)	Fuel Cost (1)
January	3,115	2,913	29,851	31,518	-	487,617				
February	412	383	3,967	4,193	-	220,144				
March	0	0	0	0	-	-				
April										
May										
June										
July										
August										
September										
October										
November										
December										
Annual Total (2)	3,527	3,296	33,818	35,711	0	707,761	0	0	0	0

Notes: *Gross MWh includes plant parasitic load. Net MWh does not include parasitic load.*

(1) Fuel Cost and Fuel Supplied by Tolling Agreement is required for plants of 50 MW or more. Fuel Cost is for any portion of fuel not supplied through a tolling agreement. Fuel Cost will be kept confidential.

(2) For plants with plant nameplate capacity of less than 10 MW, monthly data are not required.

(1 MMBtu = 10 therms)