

DOCKETED	
Docket Number:	21-TPG-01
Project Title:	Roseville Energy Park Temporary Power Generators
TN #:	266946
Document Title:	RPEAK (REPR-20-03 AND 04) Quarterly CEMS Report - Third Quarter 2025 - Part 5s
Description:	N/A
Filer:	Roseville Electric Compliance
Organization:	Roseville Electric
Submitter Role:	Public Agency
Submission Date:	10/30/2025 5:01:38 PM
Docketed Date:	10/31/2025

NOx Ppmvdc 1-Hour Block Excess Emissions

CT5

From: 08/23/2025 00:00 To: 08/23/2025 23:59

Facility Name: ROSEVILLE ENERGY

Generated: 08/25/2025 10:02

Location:

Roseville, CA



Tag Name: CT5_NOx_Norm_Ppmvdc_1H

Total Operating Time: 8.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 16.00 Hour(s) Report Time: 24.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	08/23/25 20:00	08/23/25 20:59	1	2.7	2.5		

Total Operating Time:	8.00 Hour(s)
Total Duration (Online only):	1.00 Hour(s)
Time in exceedance as a percentage of operating time:	12.50 %
Time in compliance as a percentage of operating time:	87.50 %

Sample Spreadsheet Listing

	CT5_CO_Ppmvdc_1M			CT5_NOx_Ppmvdc_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_GasFlow_kscfh_1M			CT5_Load_MWe_1M			CT5_NH3Inj_LbPerHr_1M		
Date/Time	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc
08/23/25 13:45	0			-0.2			0			0			0			0		
08/23/25 13:46	0			-0.2			0			0.6			0			0.1		
08/23/25 13:47	0			-0.2			0			0.6			0			0.1		
08/23/25 13:48	0			-0.2			0			-0.1			0			0		
08/23/25 13:49	0			-0.2			0			0			0			0		
08/23/25 13:50	0			-0.3			0			-0.1			0			0		
08/23/25 13:51	0			-0.3			0			-0.2			0			0		
08/23/25 13:52	0			-0.2			0			0.5			0			0		
08/23/25 13:53	0			-0.3			0			-0.8			0			-0.1		
08/23/25 13:54	0			-0.3			0			1			0			0.2		
08/23/25 13:55	0			-0.3			0			-0.4			0			-0.1		
08/23/25 13:56	-0.2			-0.3			0			0.8			0			-0.1		
08/23/25 13:57	198.2			-2.36			843565.4			29.2			0			0.1		
08/23/25 13:58	92.1			18.21			215535.5			34.3			0			0		
08/23/25 13:59	12.8			25.81			261331.8			43.4			0			-0.1		
08/23/25 14:00	8.5			29.5			243209.8			42			0			0		
08/23/25 14:01	8			28.08			233897.7			40.4			0			0		
08/23/25 14:02	6.8			28.19			577187			107.8			7.5			1.2		
08/23/25 14:03	2.7			35.87			624183.6			215.8			20.4			68		
08/23/25 14:04	1.3			8.85			558468.4			247.2			24.2			96.6		
08/23/25 14:05	0.9			0.55			554188.9			245.3			24.1			96		
08/23/25 14:06	1			0.55			551835.2			244.2			24.2			95.9		
08/23/25 14:07	1			0.75			558638.2			243.4			24.2			95.1		
08/23/25 14:08	0.7			1.03			556247.1			242.3			24.1			95		
08/23/25 14:09	0.7			1.43			566102.4			242.7			24.2			95		
08/23/25 14:10	0.6			1.9			595583.6			243			24.2			95.1		
08/23/25 14:11	0.8			2.04			637404.8			242.4			24.1			95		
08/23/25 14:12	0.8			1.78			659907.5			241.9			24.1			93.7		
08/23/25 14:13	0.9			1.25			675494.9			242.9			24.2			88		
08/23/25 14:14	0.9			1.04			687397.3			242.4			24.2			82.1		
08/23/25 14:15	0.9			1.04			684443.7			241.4			24.1			78.6		
08/23/25 14:16	0.9			1.16			685517.7			241.8			24.2			77.1		

	CT5_CO_Ppmvdc_1M			CT5_NOx_Ppmvdc_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_GasFlow_kscfh_1M			CT5_Load_MWe_1M			CT5_NH3Inj_LbPerHr_1M		
Date/Time	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc
08/23/25 14:17	0.8			1.27			686323.3			242			24.2			77.2		
08/23/25 14:18	0.8			1.39			683101.1			240.9			24.1			77		
08/23/25 14:19	0.8			1.39			683638.1			241.1			24.2			75.1		
08/23/25 14:20	0.8			1.5			683906.6			241.2			24.2			74		
08/23/25 14:21	0.9			1.5			684175.2			241.3			24.2			74.1		
08/23/25 14:22	0.9			1.62			682295.6			240.6			24.1			73		
08/23/25 14:23	0.8			1.74			683369.6			241			24.2			73.6		
08/23/25 14:24	0.8			1.74			683101.1			240.9			24.2			74		
08/23/25 14:25	0.8			1.74			682832.6			240.8			24.2			73.3		
08/23/25 14:26	0.7			1.89			696489.2			240.8			24.2			72.9		
08/23/25 14:27	0.7			2.12			695393.7			240.4			24.1			74.1		
08/23/25 14:28	0.7			2.12			697310.9			241.1			24.2			75.8		
08/23/25 14:29	0.7			1.89			695393.7			240.4			24.1			74		
08/23/25 14:30	0.8			1.89			695667.6			240.5			24.2			72.4		
08/23/25 14:31	0.8			1.89			694845.9			240.2			24.1			71.8		
08/23/25 14:32	0.7			2.01			695941.5			240.6			24.2			73.7		
08/23/25 14:33	0.7			2.24			696489.2			240.8			24.2			74.1		
08/23/25 14:34	0.7			2.24			694845.9			240.2			24.1			74.2		
08/23/25 14:35	0.6			2.24			695119.8			240.3			24.1			74.4		
08/23/25 14:36	0.7			2.12			695941.5			240.6			24.2			74		
08/23/25 14:37	0.7			2.12			696763.1			240.9			24.2			74.1		
08/23/25 14:38	0.7			2.01			695119.8			240.3			24.2			74		
08/23/25 14:39	0.8			2.01			694845.9			240.2			24.1			74		
08/23/25 14:40	0.7			2.12			694298.2			240.1			24.1			74		
08/23/25 14:41	0.7			2.36			696489.2			240.8			24.2			76.4		
08/23/25 14:42	0.7			2.24			692928.7			239.6			24.1			76.4		
08/23/25 14:43	0.8			2.01			697037			241			24.2			74.9		
08/23/25 14:44	0.7			2.24			693476.5			239.8			24.1			75.5		
08/23/25 14:45	0.6			2.77			708467.5			240.1			24.1			80.5		
08/23/25 14:46	0.5			2.65			708467.5			240.1			24.2			82.7		
08/23/25 14:47	0.6			2.24			693476.5			239.8			24.1			80.6		
08/23/25 14:48	0.6			1.89			692928.7			239.6			24.1			76.1		
08/23/25 14:49	0.7			1.93			709305.9			240.3			24.1			74.9		
08/23/25 14:50	0.7			2.29			710703.3			240.8			24.2			77.6		
08/23/25 14:51	0.6			2.41			708467.5			240.1			24.1			80.1		

	CT5_CO_Ppmvdc_1M			CT5_NOx_Ppmvdc_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_GasFlow_kscfh_1M			CT5_Load_MWe_1M			CT5_NH3Inj_LbPerHr_1M		
Date/Time	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc
08/23/25 14:52	0.7			2.17			708467.5			240.1			24.2			79.3		
08/23/25 14:53	65.5	X		2.8	X		866845.6	X		239.8			24.1			77.8		
08/23/25 14:54	37.8	X		0.1	X		0	X		240.5			24.2			77.6		
08/23/25 14:55	18.4	X		-0.2	X		0	X		240.8			24.2			77.8		
08/23/25 14:56	18.3	X		-0.2	X		0	X		240			24.1			77.8		
08/23/25 14:57	18.3	X		-0.2	X		0	X		240.3			24.2			77.8		
08/23/25 14:58	14.4	X		0.45	X		535971.6	X		240.9			24.2			77.2		
08/23/25 14:59	0.3	X		2.46	X		166362.1	X		240.4			24.2			77.1		
08/23/25 15:00	-0.1	X		2.65	X		166296.6	X		240.3			24.2			77.1		
08/23/25 15:01	-0.1	X		2.65	X		166427.7	X		240.5			24.2			77.2		
08/23/25 15:02	-0.1	X		2.68	X		165772.4	X		239.6			24.1			77		
08/23/25 15:03	-0.1	X		2.68	X		166231.1	X		240.2			24.2			77.1		
08/23/25 15:04	-0.1	X		97.53	X		165575.9	X		239.3			24.1			76.9		
08/23/25 15:05	-0.1	X		142.36	X		166231.1	X		240.2			24.2			77.1		
08/23/25 15:06	-0.1	X		142.48	X		166689.7	X		240.9			24.2			77.2		
08/23/25 15:07	-0.1	X		142.53	X		165837.9	X		239.7			24.1			77		
08/23/25 15:08	39.6	X		131.1	X		166034.5	X		240			24.2			77		
08/23/25 15:09	286.3	X		7.34	X		166100	X		240.1			24.2			77		
08/23/25 15:10	306.9	X		0.25	X		166100	X		240.1			24.1			77		
08/23/25 15:11	306.9	X		0.2	X		166362.1	X		240.4			24.2			77.1		
08/23/25 15:12	306.9	X		0.14	X		165903.5	X		239.8			24.1			77.2		
08/23/25 15:13	417.4	X		0.14	X		277609.7	X		240			24.2			77.6		
08/23/25 15:14	67.9	X		0.88	X		738032.3	X		239.9			24.1			77.8		
08/23/25 15:15	1.4	X		1.69	X		709585.4	X		240.4			24.2			78		
08/23/25 15:16	1.2	X		2.17	X		705113.8	X		238.9			24.1			77.7		
08/23/25 15:17	1.2	X		1.89	X		691285.4	X		239			24.1			77.8		
08/23/25 15:18	1.2			1.77			697310.9			241.1			24.2			75.8		
08/23/25 15:19	1.2			1.81			707070.1			239.6			24.1			74.8		
08/23/25 15:20	1.1			1.89			696215.4			240.7			24.2			72.6		
08/23/25 15:21	1			2.17			705113.8			238.9			24.1			75.7		
08/23/25 15:22	0.8			2.41			706231.7			239.3			24.1			77.5		
08/23/25 15:23	0.7			2.53			706790.7			239.5			24.1			79.9		
08/23/25 15:24	0.7			2.29			707349.6			239.7			24.1			78.3		
08/23/25 15:25	0.8			2.05			709305.9			240.3			24.2			77.4		
08/23/25 15:26	0.7			2.17			710982.8			240.9			24.2			77.2		

	CT5_CO_Ppmvdc_1M		CT5_NOx_Ppmvdc_1M		CT5_ExhaustFlow_LbPerHr_1M		CT5_GasFlow_kscfh_1M		CT5_Load_MWe_1M		CT5_NH3Inj_LbPerHr_1M	
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
08/23/25 15:27	0.7		2.41		708467.5		240.1		24.1		79.2	
08/23/25 15:28	0.6		2.41		708188		240		24.2		80	
08/23/25 15:29	0.6		2.41		708467.5		240.1		24.1		80.5	
08/23/25 15:30	0.6		2.29		710423.8		240.7		24.2		80.1	
08/23/25 15:31	0.6		2.29		709026.5		240.2		24.2		80	
08/23/25 15:32	0.6		2.29		707908.6		239.9		24.1		80.3	
08/23/25 15:33	0.6		2.29		709864.9		240.5		24.2		80.3	
08/23/25 15:34	0.6		2.29		709026.5		240.2		24.1		82.2	
08/23/25 15:35	0.6		2.29		708467.5		240.1		24.2		80.5	
08/23/25 15:36	0.6		2.17		708188		240		24.1		80	
08/23/25 15:37	0.7		2.05		705113.8		238.9		24.1		79.8	
08/23/25 15:38	0.7		2.17		706511.2		239.4		24.1		79.9	
08/23/25 15:39	0.6		2.17		710144.4		240.6		24.2		80.1	
08/23/25 15:40	0.6		2.17		710144.4		240.6		24.2		80.3	
08/23/25 15:41	0.6		2.17		708467.5		240.1		24.2		82	
08/23/25 15:42	0.6		2.29		707070.1		239.6		24.1		81.5	
08/23/25 15:43	0.6		2.29		707349.6		239.7		24.1		81.1	
08/23/25 15:44	0.6		2.17		707070.1		239.6		24.1		80.8	
08/23/25 15:45	0.6		2.17		711262.3		241		24.2		81.6	
08/23/25 15:46	0.6		2.17		706790.7		239.5		24.1		83	
08/23/25 15:47	0.6		2.17		708188		240		24.1		82.6	
08/23/25 15:48	0.6		2.05		707349.6		239.7		24.2		80.5	
08/23/25 15:49	0.6		2.17		707070.1		239.6		24.1		80.6	
08/23/25 15:50	0.6		2.17		708467.5		240.1		24.2		82.7	
08/23/25 15:51	0.6		2.17		709026.5		240.2		24.2		82.1	
08/23/25 15:52	0.6		2.05		707629.1		239.8		24.1		80.4	
08/23/25 15:53	0.7		1.81		707908.6		239.9		24.1		80	
08/23/25 15:54	0.7		1.81		711821.2		241.2		24.2		77.8	
08/23/25 15:55	0.7		1.81		713218.6		241.7		24.2		77.5	
08/23/25 15:56	0.8		1.81		706790.7		239.5		24.1		77.1	
08/23/25 15:57	0.8		1.81		704834.3		238.8		24.1		76.2	
08/23/25 15:58	1		1.81		709864.9		240.5		24.2		75.1	
08/23/25 15:59	1		1.93		706790.7		239.5		24.1		75	
08/23/25 16:00	0.8		2.05		711541.7		241.1		24.2		76.4	
08/23/25 16:01	0.8		2.05		706511.2		239.4		24.1		76.9	

	CT5_CO_Ppmvdc_1M		CT5_NOx_Ppmvdc_1M		CT5_ExhaustFlow_LbPerHr_1M		CT5_GasFlow_kscfh_1M		CT5_Load_MWe_1M		CT5_NH3Inj_LbPerHr_1M	
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
08/23/25 16:02	0.7		2.17		703716.4		238.4		24.1		76.8	
08/23/25 16:03	0.7		2.17		705113.8		238.9		24.1		76.9	
08/23/25 16:04	0.7		2.17		705672.8		239.1		24.1		76.9	
08/23/25 16:05	0.7		2.17		709864.9		240.5		24.2		77.1	
08/23/25 16:06	0.7		2.17		704834.3		238.8		24.1		76.9	
08/23/25 16:07	0.7		2.17		706231.7		239.3		24.1		77.5	
08/23/25 16:08	0.7		2.17		708188		240		24.1		79.3	
08/23/25 16:09	0.7		2.17		705393.3		239		24.1		77.4	
08/23/25 16:10	0.7		2.05		707629.1		239.8		24.2		77	
08/23/25 16:11	0.7		2.05		706231.7		239.3		24.1		77	
08/23/25 16:12	0.7		2.05		705393.3		239		24.1		76.9	
08/23/25 16:13	0.7		2.05		707908.6		239.9		24.1		77	
08/23/25 16:14	0.8		2.05		712100.7		241.3		24.2		77.2	
08/23/25 16:15	0.8		2.05		707629.1		239.8		24.1		77	
08/23/25 16:16	0.7		2.05		712380.2		241.4		24.2		77.3	
08/23/25 16:17	0.7		2.05		709585.4		240.4		24.2		77.1	
08/23/25 16:18	0.7		2.05		708467.5		240.1		24.2		77.1	
08/23/25 16:19	0.7		2.17		709864.9		240.5		24.2		77.6	
08/23/25 16:20	0.7		2.17		709026.5		240.2		24.2		78	
08/23/25 16:21	0.7		2.17		709864.9		240.5		24.2		78.3	
08/23/25 16:22	0.7		2.17		705952.2		239.2		24.1		78	
08/23/25 16:23	0.7		2.05		708188		240		24.2		77	
08/23/25 16:24	0.7		2.05		708467.5		240.1		24.2		77.1	
08/23/25 16:25	0.7		2.17		707349.6		239.7		24.1		77	
08/23/25 16:26	0.7		2.17		708188		240		24.2		79.4	
08/23/25 16:27	0.7		2.17		707629.1		239.8		24.2		79.1	
08/23/25 16:28	0.7		2.17		707629.1		239.8		24.1		78.9	
08/23/25 16:29	0.7		2.05		707908.6		239.9		24.2		77.9	
08/23/25 16:30	0.7		2.17		707349.6		239.7		24.2		78.3	
08/23/25 16:31	0.7		2.17		707908.6		239.9		24.2		79.8	
08/23/25 16:32	0.7		2.17		706231.7		239.3		24.1		79.2	
08/23/25 16:33	0.7		2.05		708188		240		24.2		77.5	
08/23/25 16:34	0.7		2.05		710703.3		240.8		24.2		77.2	
08/23/25 16:35	0.7		2.05		706231.7		239.3		24.1		77	
08/23/25 16:36	0.7		2.05		709585.4		240.4		24.2		77.6	

	CT5_CO_Ppmvdc_1M		CT5_NOx_Ppmvdc_1M		CT5_ExhaustFlow_LbPerHr_1M		CT5_GasFlow_kscfh_1M		CT5_Load_MWe_1M		CT5_NH3Inj_LbPerHr_1M	
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
08/23/25 16:37	0.8		2.05		710982.8		240.9		24.2		77.7	
08/23/25 16:38	0.8		2.05		706790.7		239.5		24.1		77.4	
08/23/25 16:39	0.8		2.05		706790.7		239.5		24.1		77.5	
08/23/25 16:40	0.8		2.05		707908.6		239.9		24.2		77.1	
08/23/25 16:41	0.8		2.05		707349.6		239.7		24.1		77	
08/23/25 16:42	0.8		2.05		707070.1		239.6		24.1		77	
08/23/25 16:43	0.8		2.05		711262.3		241		24.2		77.2	
08/23/25 16:44	0.8		2.05		711821.2		241.2		24.2		77.3	
08/23/25 16:45	0.8		2.05		705672.8		239.1		24.1		76.9	
08/23/25 16:46	0.8		2.05		706231.7		239.3		24.1		76.5	
08/23/25 16:47	0.8		2.05		703716.4		238.4		24.1		74.8	
08/23/25 16:48	0.8		2.17		703716.4		238.4		24.1		75.8	
08/23/25 16:49	0.8		2.17		705952.2		239.2		24.1		77	
08/23/25 16:50	0.7		2.17		705393.3		239		24.1		77	
08/23/25 16:51	0.7		2.17		704554.9		238.7		24.1		76.8	
08/23/25 16:52	0.8		2.17		707070.1		239.6		24.2		77	
08/23/25 16:53	0.8		2.17		708467.5		240.1		24.2		77.1	
08/23/25 16:54	0.8		2.17		706511.2		239.4		24.1		77	
08/23/25 16:55	0.7		2.17		703995.9		238.5		24.1		76.9	
08/23/25 16:56	0.7		2.29		707349.6		239.7		24.2		78.8	
08/23/25 16:57	0.7		2.29		709305.9		240.3		24.2		80.2	
08/23/25 16:58	0.7		2.17		705952.2		239.2		24.1		79.3	
08/23/25 16:59	0.7		2.17		707629.1		239.8		24.2		77.1	
08/23/25 17:00	0.7		2.17		703995.9		238.5		24.1		77.7	
08/23/25 17:01	0.7		2.17		704554.9		238.7		24.1		77.7	
08/23/25 17:02	0.7		2.17		704554.9		238.7		24.1		77.7	
08/23/25 17:03	0.7		2.17		705393.3		239		24.2		77.3	
08/23/25 17:04	0.7		2.17		704275.4		238.6		24.2		78	
08/23/25 17:05	0.6		2.29		703995.9		238.5		24.2		80	
08/23/25 17:06	0.6		2.17		704834.3		238.8		24.2		79.7	
08/23/25 17:07	0.6		2.17		704275.4		238.6		24.2		78.9	
08/23/25 17:08	0.6		2.17		703995.9		238.5		24.1		79.7	
08/23/25 17:09	0.6		2.29		705393.3		239		24.2		80.2	
08/23/25 17:10	0.6		2.29		702319.1		238		24.1		79.9	
08/23/25 17:11	0.6		2.29		704275.4		238.6		24.2		80.1	

	CT5_CO_Ppmvdc_1M			CT5_NOx_Ppmvdc_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_GasFlow_kscfh_1M			CT5_Load_MWe_1M			CT5_NH3Inj_LbPerHr_1M		
Date/Time	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc
08/23/25 17:12	0.6			2.29			704275.4			238.6			24.2			80.1		
08/23/25 17:13	0.6			2.41			702878			238.2			24.2			82		
08/23/25 17:14	0.6			2.29			702878			238.2			24.1			81.8		
08/23/25 17:15	0.6			2.29			702878			238.2			24.1			82.6		
08/23/25 17:16	0.6			2.17			703716.4			238.4			24.1			81.3		
08/23/25 17:17	0.6			2.17			704834.3			238.8			24.2			81.5		
08/23/25 17:18	0.6			2.17			703716.4			238.4			24.2			80		
08/23/25 17:19	0.6			2.17			702598.6			238.1			24.1			80.9		
08/23/25 17:20	0.6			2.17			702598.6			238.1			24.1			81.7		
08/23/25 17:21	0.6			2.17			707070.1			239.6			24.2			80.2		
08/23/25 17:22	0.6			2.05			702598.6			238.1			24.1			79.9		
08/23/25 17:23	0.6			2.17			705393.3			239			24.2			80.3		
08/23/25 17:24	0.6			2.17			705952.2			239.2			24.2			82.1		
08/23/25 17:25	0.6			2.17			701480.7			237.7			24.1			82.7		
08/23/25 17:26	0.6			2.17			699803.8			237.1			24.1			82.2		
08/23/25 17:27	0.6			2.05			702598.6			238.1			24.1			80.2		
08/23/25 17:28	0.6			2.05			706511.2			239.4			24.2			80.1		
08/23/25 17:29	0.6			2.17			700083.3			237.2			24.1			79.8		
08/23/25 17:30	0.6			2.17			704554.9			238.7			24.2			80.5		
08/23/25 17:31	0.6			2.17			706231.7			239.3			24.2			81		
08/23/25 17:32	0.6			2.17			701480.7			237.7			24.1			79.9		
08/23/25 17:33	0.6			2.17			706511.2			239.4			24.2			80.2		
08/23/25 17:34	0.6			2.17			703716.4			238.4			24.1			81		
08/23/25 17:35	0.6			2.17			702039.6			237.9			24.1			82.5		
08/23/25 17:36	0.6			2.05			704275.4			238.6			24.2			81.9		
08/23/25 17:37	0.6			2.05			704834.3			238.8			24.2			80.1		
08/23/25 17:38	0.6			2.05			703995.9			238.5			24.1			80.1		
08/23/25 17:39	0.6			2.17			706231.7			239.3			24.2			80.3		
08/23/25 17:40	0.6			2.17			704554.9			238.7			24.2			82.6		
08/23/25 17:41	0.6			2.17			705113.8			238.9			24.2			81.4		
08/23/25 17:42	0.6			2.05			702319.1			238			24.1			79.9		
08/23/25 17:43	0.6			2.05			705952.2			239.2			24.2			80.2		
08/23/25 17:44	0.6			2.05			701201.2			237.6			24.1			79.9		
08/23/25 17:45	0.6			2.12			691559.3			239.1			24.2			80.2		
08/23/25 17:46	0.6			2.17			705393.3			239			24.2			81.4		

	CT5_CO_Ppmvdc_1M		CT5_NOx_Ppmvdc_1M		CT5_ExhaustFlow_LbPerHr_1M		CT5_GasFlow_kscfh_1M		CT5_Load_MWe_1M		CT5_NH3Inj_LbPerHr_1M	
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
08/23/25 17:47	0.6		2.17		704275.4		238.6		24.2		81.9	
08/23/25 17:48	0.6		2.17		706790.7		239.5		24.2		80.2	
08/23/25 17:49	0.6		2.05		703716.4		238.4		24.1		80	
08/23/25 17:50	0.6		2.17		705952.2		239.2		24.2		81.1	
08/23/25 17:51	0.6		2.17		706790.7		239.5		24.2		83.3	
08/23/25 17:52	0.7		2.05		706231.7		239.3		24.2		81	
08/23/25 17:53	0.7		2.05		705672.8		239.1		24.2		80.2	
08/23/25 17:54	0.7		2.05		704554.9		238.7		24.2		80.1	
08/23/25 17:55	0.6		2.17		705393.3		239		24.2		80.2	
08/23/25 17:56	0.6		2.17		702319.1		238		24.1		80.4	
08/23/25 17:57	0.6		2.17		704834.3		238.8		24.2		83	
08/23/25 17:58	0.6		2.17		703157.5		238.3		24.2		82.9	
08/23/25 17:59	0.6		2.05		702039.6		237.9		24.2		80	
08/23/25 18:00	0.6		2.05		702039.6		237.9		24.1		80	
08/23/25 18:01	0.6		2.17		703995.9		238.5		24.2		81.2	
08/23/25 18:02	0.6		2.17		701201.2		237.6		24.1		82.8	
08/23/25 18:03	0.6		2.17		703716.4		238.4		24.2		80.9	
08/23/25 18:04	0.6		2.05		704554.9		238.7		24.2		80.7	
08/23/25 18:05	0.6		2.05		701760.1		237.8		24.1		80	
08/23/25 18:06	0.7		2.01		688546.6		238.1		24.2		80.1	
08/23/25 18:07	0.7		2.01		687724.9		237.8		24.1		80	
08/23/25 18:08	0.7		2.12		688820.5		238.2		24.2		80.1	
08/23/25 18:09	0.7		2.12		688272.7		238		24.2		80.4	
08/23/25 18:10	0.7		2.12		687724.9		237.8		24.2		80.5	
08/23/25 18:11	0.6		2.12		688546.6		238.1		24.2		82.4	
08/23/25 18:12	0.6		2.12		687451		237.7		24.1		80	
08/23/25 18:13	0.6		2.12		688272.7		238		24.2		80.1	
08/23/25 18:14	0.6		2.12		687724.9		237.8		24.2		80.2	
08/23/25 18:15	0.6		2.12		688272.7		238		24.2		83	
08/23/25 18:16	0.6		2.12		688272.7		238		24.2		81.2	
08/23/25 18:17	0.6		2.12		689094.3		238.3		24.2		80.1	
08/23/25 18:18	0.6		2.12		687724.9		237.8		24.1		80	
08/23/25 18:19	0.6		2.12		687724.9		237.8		24.1		80	
08/23/25 18:20	0.7		2.12		688820.5		238.2		24.2		80.5	
08/23/25 18:21	0.7		2.12		687724.9		237.8		24.2		80.4	

	CT5_CO_Ppmvdc_1M			CT5_NOx_Ppmvdc_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_GasFlow_kscfh_1M			CT5_Load_MWe_1M			CT5_NH3Inj_LbPerHr_1M		
Date/Time	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc
08/23/25 18:22	0.7			2.01			688820.5			238.2			24.2			80.1		
08/23/25 18:23	0.7			2.01			688820.5			238.2			24.2			80.1		
08/23/25 18:24	0.7			2.01			688546.6			238.1			24.2			80.1		
08/23/25 18:25	0.7			2.01			689094.3			238.3			24.2			80.1		
08/23/25 18:26	0.7			2.05			701201.2			237.6			24.1			80		
08/23/25 18:27	0.7			2.12			689642.1			238.4			24.2			80.1		
08/23/25 18:28	0.7			2.12			688820.5			238.2			24.2			80.1		
08/23/25 18:29	0.7			2.12			686629.4			237.4			24.1			80.1		
08/23/25 18:30	0.6			2.24			687724.9			237.8			24.2			80.3		
08/23/25 18:31	0.6			2.29			701201.2			237.6			24.1			82.8		
08/23/25 18:32	0.6			2.24			689642.1			238.4			24.2			81.2		
08/23/25 18:33	0.6			2.12			686355.5			237.3			24.1			81.2		
08/23/25 18:34	0.6			2.12			686629.4			237.4			24.1			80.2		
08/23/25 18:35	0.6			2.12			688820.5			238.2			24.2			82.8		
08/23/25 18:36	0.6			2.12			685807.7			237.1			24.1			82.1		
08/23/25 18:37	0.6			2.01			689642.1			238.4			24.2			81.6		
08/23/25 18:38	0.6			2.05			700921.7			237.5			24.1			79.9		
08/23/25 18:39	0.6			2.05			698685.9			236.7			24.1			79.9		
08/23/25 18:40	0.6			2.12			686629.4			237.4			24.1			80.1		
08/23/25 18:41	0.6			2.29			701760.1			237.8			24.2			82.2		
08/23/25 18:42	0.6			2.29			700642.2			237.4			24.1			83		
08/23/25 18:43	0.6			2.17			700921.7			237.5			24.2			82.2		
08/23/25 18:44	0.6			2.01			686355.5			237.3			24.1			80.6		
08/23/25 18:45	0.6			2.05			701480.7			237.7			24.2			80.1		
08/23/25 18:46	0.6			2.12			685807.7			237.1			24.1			82.1		
08/23/25 18:47	0.6			2.29			701760.1			237.8			24.2			83.1		
08/23/25 18:48	0.6			2.17			702319.1			238			24.2			82.8		
08/23/25 18:49	0.6			2.12			687451			237.7			24.2			80.9		
08/23/25 18:50	0.6			2.12			688546.6			238.1			24.2			80.5		
08/23/25 18:51	0.6			2.24			687451			237.7			24.2			83.1		
08/23/25 18:52	0.6			2.24			687998.8			237.9			24.2			83.1		
08/23/25 18:53	0.6			2.24			687177.2			237.6			24.2			83.1		
08/23/25 18:54	0.6			2.24			687177.2			237.6			24.2			83.1		
08/23/25 18:55	0.6			2.24			685807.7			237.1			24.1			83		
08/23/25 18:56	0.6			2.24			685807.7			237.1			24.1			83		

	CT5_CO_Ppmvdc_1M			CT5_NOx_Ppmvdc_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_GasFlow_kscfh_1M			CT5_Load_MWe_1M			CT5_NH3Inj_LbPerHr_1M		
Date/Time	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc
08/23/25 18:57	0.5			2.12			687177.2			237.6			24.1			83.1		
08/23/25 18:58	0.5			2.17			701201.2			237.6			24.2			83.1		
08/23/25 18:59	0.6			2.12			684986.1			236.8			24.1			82.9		
08/23/25 19:00	0.6			2.24			686629.4			237.4			24.2			84.5		
08/23/25 19:01	0.6			2.12			685260			236.9			24.1			85.6		
08/23/25 19:02	0.6			2.12			688272.7			238			24.2			83.8		
08/23/25 19:03	0.6			2.01			684986.1			236.8			24.1			82.9		
08/23/25 19:04	0.6			2.01			688546.6			238.1			24.2			83.2		
08/23/25 19:05	0.6			2.12			684164.4			236.6			24.1			82.9		
08/23/25 19:06	0.6			2.12			687451			237.7			24.2			83.1		
08/23/25 19:07	0.6			2.12			690189.9			238.6			24.2			83.3		
08/23/25 19:08	0.6			2.05			699803.8			237.1			24.1			83		
08/23/25 19:09	0.6			2.05			700083.3			237.2			24.2			83		
08/23/25 19:10	0.6			2.01			687451			237.7			24.2			83.1		
08/23/25 19:11	0.6			2.12			684986.1			236.8			24.1			82.9		
08/23/25 19:12	0.6			2.12			683616.7			236.4			24.1			82.9		
08/23/25 19:13	0.6			2.12			683616.7			236.4			24.1			82.9		
08/23/25 19:14	0.6			2.12			689642.1			238.4			24.2			83.2		
08/23/25 19:15	0.6			2.12			687451			237.7			24.2			83.2		
08/23/25 19:16	0.6			2.24			685260			236.9			24.1			83.5		
08/23/25 19:17	0.6			2.24			687998.8			237.9			24.2			85.2		
08/23/25 19:18	0.6			2.12			687724.9			237.8			24.2			85.1		
08/23/25 19:19	0.6			2.12			688820.5			238.2			24.2			84.5		
08/23/25 19:20	0.6			2.12			684712.2			236.7			24.1			82.9		
08/23/25 19:21	0.6			2.12			682795			236.1			24.1			84.1		
08/23/25 19:22	0.6			2.24			685260			236.9			24.2			85		
08/23/25 19:23	0.6			2.12			688546.6			238.1			24.2			85.3		
08/23/25 19:24	0.6			2.01			683890.5			236.5			24.1			83.9		
08/23/25 19:25	0.6			2.01			685807.7			237.1			24.2			83.1		
08/23/25 19:26	0.6			2.01			685260			236.9			24.1			83		
08/23/25 19:27	0.6			2.12			686081.6			237.2			24.2			83.1		
08/23/25 19:28	0.6			2.12			686355.5			237.3			24.2			83		
08/23/25 19:29	0.6			2.12			687177.2			237.6			24.2			83.1		
08/23/25 19:30	0.6			2.01			685533.8			237			24.1			83		
08/23/25 19:31	0.6			2.01			686903.3			237.5			24.2			83.1		

	CT5_CO_Ppmvdc_1M			CT5_NOx_Ppmvdc_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_GasFlow_kscfh_1M			CT5_Load_MWe_1M			CT5_NH3Inj_LbPerHr_1M		
Date/Time	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc
08/23/25 19:32	0.7			2.01			685533.8			237			24.2			83		
08/23/25 19:33	0.7			2.01			686629.4			237.4			24.2			83.1		
08/23/25 19:34	0.7			2.01			686903.3			237.5			24.2			83.1		
08/23/25 19:35	0.6			2.12			686081.6			237.2			24.2			82.6		
08/23/25 19:36	0.6			2.12			686081.6			237.2			24.2			83		
08/23/25 19:37	0.6			2.12			687451			237.7			24.2			83.2		
08/23/25 19:38	0.6			2.12			686081.6			237.2			24.2			83		
08/23/25 19:39	0.6			2.12			685533.8			237			24.2			83.1		
08/23/25 19:40	0.6			2.24			683890.5			236.5			24.1			83.6		
08/23/25 19:41	0.6			2.24			684712.2			236.7			24.1			85		
08/23/25 19:42	0.6			2.24			684986.1			236.8			24.2			85		
08/23/25 19:43	0.6			2.12			685533.8			237			24.2			84.2		
08/23/25 19:44	0.6			2.12			686081.6			237.2			24.2			84.6		
08/23/25 19:45	0.6			2.12			685260			236.9			24.1			84.8		
08/23/25 19:46	0.6			2.12			686355.5			237.3			24.2			83.8		
08/23/25 19:47	0.6			2.12			684986.1			236.8			24.1			83		
08/23/25 19:48	0.6			2.12			685807.7			237.1			24.2			83		
08/23/25 19:49	0.6			2.12			686629.4			237.4			24.2			84.3		
08/23/25 19:50	0.6			2.12			685533.8			237			24.2			85.3		
08/23/25 19:51	0.6			2.12			686081.6			237.2			24.2			83.9		
08/23/25 19:52	0.6			2.01			686081.6			237.2			24.2			83.1		
08/23/25 19:53	0.7			2.01			685807.7			237.1			24.2			83		
08/23/25 19:54	0.6			2.01			685260			236.9			24.2			83.1		
08/23/25 19:55	0.6			2.12			685533.8			237			24.2			83.1		
08/23/25 19:56	0.6			2.12			684164.4			236.6			24.1			83		
08/23/25 19:57	0.6			2.12			683616.7			236.4			24			83.1		
08/23/25 19:58	0.6			2.34			611676.2			203			19.7			66.4		
08/23/25 19:59	0.7			2.36			635412.9			197.7			19.2			63.8		
08/23/25 20:00	0.6			2.26			609830.9			198.2			19.2			62.2		
08/23/25 20:01	0.5			2.77			582704			197.4			19.2			65.4		
08/23/25 20:02	0.4			3.25			555036.1			188.1			17.9			69.6		
08/23/25 20:03	0.4			3.33			544197.3			173.1			16.2			67.1		
08/23/25 20:04	0.4			2.44			545090.4			173.4			16.2			63.6		
08/23/25 20:05	0.4			1.88			532327.3			173			16.2			59.5		
08/23/25 20:06	0.4			2.26			442003.6			143.7			12			54.4		

	CT5_CO_Ppmvdc_1M		CT5_NOx_Ppmvdc_1M		CT5_ExhaustFlow_LbPerHr_1M		CT5_GasFlow_kscfh_1M		CT5_Load_MWe_1M		CT5_NH3Inj_LbPerHr_1M	
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
08/23/25 20:07	0.5		3.75		197114.1		45		0.5		20.9	
08/23/25 20:08	2.2		5.62		267363.8		38.8		0		17.9	
08/23/25 20:09	3.8		5.39		245901		39.1		0		18	
08/23/25 20:10	4.9		5.64		242924		38.6		0		17.9	
08/23/25 20:11	4.9		5.9		247687.2		39.4		0		18.1	
08/23/25 20:12	5.1		5.9		57889.3		8.8		0		11.1	
08/23/25 20:13	0		1.6		-13694.2		-0.1		0		5	
08/23/25 20:14	0		0.7		0		0.4		0		0	
08/23/25 20:15	0		0		0		-0.2		0		-0.1	



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Year Non-Compliance Event Number 2025020

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	8/26/25	Time	1403 (LOCAL)	☐ AM	☒ PM			
7. Start of Non-Compliance Event	Date	8/26/25	Time	1250 0859	☒ AM	☒ PM	☐ Not known		
8. Violation	Permit No. REPR-20-03	Condition No.	Rule	Section					
9. Unit / Equipment Involved	CT5								
10. Description / Cause of Non-Compliance Event	CEMS PLC card failure				☒ additional information attached				
11. Immediate Corrective Actions	Shut down unit and replaced the card				☒ 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	Eddie Vasquez			Telephone	(916) 746 - 1683				
Signature				Date	8/26/25	Time	4:00	☐ 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	8/26/25	Time	1351	☐ AM ☒ PM
15. Duration of Non-Compliance Event	Hours	4	Minutes	53	
16. Excess Emissions Estimates	NOx	SOx	PM		
	VOC	CO	Opacity	%, for	minutes
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	NATHAN R. JORDY		Telephone	(916) 746 - 1673	
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	9/2/25	Time 1430 ☐ AM ☒ PM

UPSET / BREAKDOWN AND EMERGENCY CHECKLIST

Non-Compliance
Event Number

Company Name	ROSEVILLE ENERGY PARK - RPEAK	Address	5720 PHILLIP RD ROSEVILLE CA
Detection of Non-Compliance Event	Date 8/26/25	Time 1403 (LOCAL)	☐ 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  N. PICHARD 9/2/25

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.

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

From: Nathan Ribordy, *Power Generation Superintendent*

Date: September 2, 2025

Subject: Non-Compliance Event Notification #2025-020 PART II

This memo provides supplemental details to the Non-Compliance Event Notification 2025-020 Part I submitted on August 26, 2025, regarding an incident involving RPEAK Combustion Turbine #5 (CT5) on the same day.

A correction to the Part I submitted on August 26, 2026 on line 7, "Start of Non-Compliance Event" from 1250 to 0859 when the loss of telemetry occurred. A request for shielding from the "Upset/Breakdown" is also being submitted.

Incident Summary:

- **Fuel Flow Start:** 11:46 (CEMS Time)
- **Full Load Achieved:** Approximately 11:52 (CEMS Time)
- **Fuel Flow Stop:** Approximately 13:12 (CEMS Time)
- **Event:** Partial loss of CEMS.
- **Response:** Engine was shut down when it was determined not to be a communications failure.

Investigation:

In the early afternoon of August 26, 2025, CT5 was dispatched for operation. After the startup it was noticed by the Control Room Operator (CRO) that there appeared to be missing data on the DAHS in the control room. Due to the electrical storm that morning, it was assumed a communication failure had occurred between the DAHS and CT5's CEMS Programmable Logic Controller (PLC). When communications failures occur, data is stored locally in the PLC and can be re-polled when communications are restored. Troubleshooting commenced at approximately 13:00 (Local). By 14:02 Instrumentation and Controls technicians determined that it was not a communications failure, but rather a physical card failure on the PLC. The card that failed was an input card collecting fuel flow, ammonia flow, Megawatt load, and water injection rates to the engine (Attached E-mail). The order to shut the unit down was given at 14:05.

Further investigation was conducted into the cause of the card failure. Data pulled from the DAHS from the sample spreadsheet list (attached) showed CT5_GasFlow_kscfh_1M and CT5_NH3Inj_LbPerHr_1M reading expected values the morning of August 26th. At 08:59 (CEMS Time) it was noted the values flat lined to -0.4 and -0.1, respectively. The times at which the data values stopped changing occurred during the electrical storm and it is theorized that a lightning strike on the 60kV transmission lines caused the component failure. This is supported by the electrical protection

relays recording a fault on the line (Figure 1) at 09:59 (Local) and isolating one of the circuits feeding the RPEAK site.

26-08	09:59:04	①	REPS,AV500C 6210-11 VOLTS C PHASE >>H LO LO LO 0 078494	51
26-08	09:59:06	①	WE60,SA291 #6126 RECLOSING RELAY LOCKOUT LCKOUT	
26-08	09:59:10	②	WE60,SK082 #6122 CONTROL & STATUS >>W TRAVEL	
26-08	09:59:10	②	WE60,SK082 #6122 CONTROL & STATUS >>W CLOSED	
26-08	09:59:10	②	REPS,SK350 #6207 CONTROL & STATUS >>W TRAVEL	
26-08	09:59:10	②	REPS,SK350 #6207 CONTROL & STATUS >>W CLOSED	
26-08	09:59:13	②(CL)	REPS,AV375A 6207-08 VOLTS A PHASE >>H LO LO 51.91294	54
26-08	09:59:13	②(CL)	REPS,AV375A 6207-08 VOLTS A PHASE >>H LO LO LO 0	51
26-08	09:59:14	②(CL)	WE60,AV080A #6122 KVOLTS A PHASE >>H LO LO LO 36.13871	51
26-08	09:59:14	②(CL)	WE60,AV080B #6122 KVOLTS B PHASE >>H LO LO LO 35.60617	51
26-08	09:59:14	②(CL)	WE60,AV080C #6122 KVOLTS C PHASE >>H LO LO LO 47.77841	51
26-08	09:59:26	③	WE60,SA089 #6122 RECLOSE LOCKOUT ALARM	
26-08	09:59:30	③	REPS,SA500 6210-11 RCLS RLY LOCKOUT LCKOUT	
26-08	09:59:40	②(CL)	WE60,SA089 #6122 RECLOSE LOCKOUT NORMAL	
26-08	09:59:50	③	REPS,SA375 6207-08 RCLS RLY LOCKOUT LCKOUT	
26-08	10:00:00	②(CL)	REPS,SA375 6207-08 RCLS RLY LOCKOUT NORMAL	
26-08	10:10:01	③	NOTEST WE60,SK243 FROM DIST-HT-WKS-44-DR	
26-08	10:10:04	③	WE60,SK243 #6126 RCLS AUTO/NO TEST CONTROL FAILURE	

The input card on the PLC was replaced with the in-place spare. CT5 was returned to service at 14:55 (Local).

Emissions Impact:

Local control of emissions control equipment did not appear to be impacted during the event. Engine combustion control, water injection to the engine, and ammonia injection systems were not in alarm. It is not suspected that there was an exceedance during the loss of monitoring.

Follow-Up Actions:

Teledyne Labs was contacted to collect as much data from the PLC as possible in addition to collecting information from our historian, a PI database. Supplemental information will be made available as it is discovered.

Attachments:

- Sample Spreadsheet Listing for 8/26/2025 at 08:45 to 8/26/2025 at 13:15 (CEMS Time), dated 8/27/2025
- Sample Spreadsheet Listing for 8/26/2025 at 13:45 to 8/26/2025 at 14:45 (CEMS Time), dated 9/2/2025
- Operations Logbook for RPEAK from 8/25/2025 to 8/27/2025, dated 8/27/2025.
- Email "RE_Cems ct5 card failed".

Respectfully,

Nathan Ribordy, P.E.
(916) 746-1673
nribordy@roseville.ca.us

Sample Spreadsheet Listing

NCE 2025-020

	CT5_SUSDTF_1M			CT5_O2Dry_Pct_1M			CT5_ExhaustFlow_LbPerHr_1M			CT5_GasFlow_kscfh_1M			CT5_NH3Inj_LbPerHr_1M			CT5_UnitOn_TF_1M		
Date/Time	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc	Value	SI	Modc
08/26/25 8:45	0			21.1			0			0.1			0			0		
08/26/25 8:46	0			21.1			0			0.4			0			0		
08/26/25 8:47	0			21.1			0			0.2			0			0		
08/26/25 8:48	0			21.1			0			0.2			0			0		
08/26/25 8:49	0			21.1			0			0.2			0			0		
08/26/25 8:50	0			21.1			0			0			0			0		
08/26/25 8:51	0			21.1			0			0.2			0			0		
08/26/25 8:52	0			21.1			0			0.3			0			0		
08/26/25 8:53	0			21.1			0			0.2			0			0		
08/26/25 8:54	0			21.1			0			0.3			0			0		
08/26/25 8:55	0			21.1			0			0.1			0			0		
08/26/25 8:56	0			21.1			0			0.2			0			0		
08/26/25 8:57	0			21.1			0			0.2			0			0		
08/26/25 8:58	0			21.1			0			0.1			0			0		
08/26/25 8:59	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:00	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:01	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:02	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:03	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:04	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:05	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:06	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:07	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:08	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:09	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:10	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:11	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:12	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:13	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:14	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:15	0			21.1			0			-0.4			-0.1			0		
08/26/25 9:16	0			21.1			0			-0.4			-0.1			0		

	CT5_SUSDTF_1M		CT5_O2Dry_Pct_1M		CT5_ExhaustFlow_LbPerHr_1M		CT5_GasFlow_kscfh_1M		CT5_NH3Inj_LbPerHr_1M		CT5_UnitOn_TF_1M	
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
08/26/25 9:17	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:18	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:19	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:20	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:21	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:22	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:23	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:24	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:25	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:26	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:27	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:28	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:29	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:30	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:31	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:32	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:33	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:34	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:35	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:36	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:37	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:38	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:39	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:40	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:41	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:42	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:43	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:44	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:45	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:46	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:47	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:48	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:49	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:50	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:51	0		21.1		0		-0.4		-0.1		0	

	CT5_SUSDTF_1M		CT5_O2Dry_Pct_1M		CT5_ExhaustFlow_LbPerHr_1M		CT5_GasFlow_kscfh_1M		CT5_NH3Inj_LbPerHr_1M		CT5_UnitOn_TF_1M	
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
08/26/25 9:52	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:53	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:54	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:55	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:56	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:57	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:58	0		21.1		0		-0.4		-0.1		0	
08/26/25 9:59	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:00	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:01	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:02	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:03	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:04	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:05	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:06	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:07	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:08	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:09	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:10	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:11	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:12	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:13	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:14	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:15	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:16	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:17	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:18	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:19	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:20	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:21	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:22	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:23	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:24	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:25	0		21.1		0		-0.4		-0.1		0	
08/26/25 10:26	0		21.1		0		-0.4		-0.1		0	