

DOCKETED

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|-------------------------|--------------------------------------|
| Docket Number: | 07-AFC-06C |
| Project Title: | Carlsbad Energy Center - Compliance |
| TN #: | 242942 |
| Document Title: | QUARTERLY OPERATIONS REPORT- Q1 2022 |
| Description: | QUARTERLY OPERATIONS REPORT- Q1 2022 |
| Filer: | Anwar Ali |
| Organization: | Carlsbad Energy Center LLC |
| Submitter Role: | Commission Staff |
| Submission Date: | 5/5/2022 7:35:12 PM |
| Docketed Date: | 5/5/2022 |

Carlsbad Energy Center LLC
4950 Avenida Encinas
Carlsbad, CA 92008
Phone: 760-710-3970

April 13, 2022

Anwar Ali, Ph.D.
Compliance Project Manager
Carlsbad Energy Center Project (07-AFC-06C)
California Energy Commission
1516 Ninth Street (MS-2000)
Sacramento, CA 95814

**RE: CARLSBAD ENERGY CENTER PROJECT, DOCKET NO. 07-AFC-06C
CONDITION OF CERTIFICATION, AQ-SC8
QUARTERLY OPERATIONAL REPORT, FIRST QUARTER 2022**

Dear Dr. Ali:

Carlsbad Energy Center LLC ("Project Owner") submits the first quarter 2022 Operational Report in compliance with the AFC Docket No. 07-AFC-06C, Conditions of Certification (COCs) AQ-SC8 for the amended Carlsbad Energy Center Project (ACECP) located at 4950 Avenida Encinas, Carlsbad, California.

This report includes operational and emissions information that demonstrates the facility met all applicable conditions of certification during this operational period.

If you have any questions or comments, please do not hesitate to contact Timothy Sisk at (760) 930-1507.

Sincerely,



Paul Mattesich
Plant Manager
Carlsbad Energy Center LLC

Attached: Carlsbad Energy Center Project (07-AFC-06C), California Energy Commission, Quarterly Operational Report, First Quarter 2022,

Cc: File

Carlsbad Energy Center Project (07-AFC-06C)

California Energy Commission Quarterly Operational Report

First Quarter 2022

***Submitted by: Carlsbad Energy Center LLC
Date Submitted: 04-13-2022***

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I. Summary

a. Project Quarterly Compliance Summary

The Carlsbad Energy Center Project (CECP) began commercial operation on December 12, 2018. In compliance with the California Energy Commission (Energy Commission) license, CECP submits the information herein demonstrating compliance with condition of certification AQ-SC8 quarterly reporting requirements.

A portion of CECP Unit 6's SuperCore failed on December 9, 2021, necessitating the temporary replacement of the Combustor, High Pressure Compressor, and High Pressure Turbine within the SuperCore with identical GE LMS100 SuperCore parts while the Unit 6 SuperCore parts are repaired. San Diego Air Pollution Control District (SDAPCD) had previously granted approval with no limitations (under SDAPCD Rule 11) for these replacements of failed SuperCores with either identical GE leased (Model 878-XXX) or the CECP-owned spare SuperCore. CECP provided written notification of the planned Unit 6 replacement with a GE leased SuperCore on December 17, 2021. The SuperCore for Unit 6 was replaced with an identical GE Model 878 on December 19-20, 2021. The SDAPCD Rule 11 allows replacement/alteration of SuperCore without a permit, but limits emissions to 100 lbs/day limit of each criteria pollutant unless the replacement/alternation is permitted in accordance with Rules 10 and 11. Carlsbad Energy Center submitted an air permit application on January 3 seeking approval of the identical replacement without imposing the 100 lbs/day limit, but rather adhering to the existing emissions limits for the Unit/Facility. The San Diego Air Pollution Control District issued permit application APCD2022-APP-007113 on January 26, 2022, which allows for the operation without the 100 lb/day emissions limit on Unit 6 while it has the temporary identical replacement parts including the Combustor, High Pressure Compressor, and High Pressure Turbine within the SuperCore. The SDAPCD permit application expires on July 26, 2022.

A similar permit application was also submitted to the SDAPCD on March 21, 2022 requesting authorization and permit approval to exchange the Unit 6 GE leased Supercore components and Unit 10 Supercore with other identical Supercores to allow for maintenance activities to occur on Unit 6 and Unit 10. The SDAPCD had not provided an update on this permitting process as of March 31, 2022.

This quarterly report includes data required by AQ-SC8 for the first quarter of 2022.

Attachment A Clean Air Markets Compliance Summary:

AQ-11: Annual SO₂ Emission and Allowances

April 13, 2022

Subject: CARLSBAD ENERGY CENTER AQ-SC8 REPORT – SO2 COMPLIANCE STATEMENT

The following conditions required in AQ-SC8 Quarterly Report require an annual SO2 allowance and emission report that is generated annually by the EPA based on the prior year's EPA EDR submittals.

- AQ-11



Run 2021 ARP Compliance

After compliance has been automatically run for all of your accounts for which all of the appropriate emissions data for the compliance period has been submitted. The results are shown in the table below; any accounts with excess emissions are listed above the table.

You may run 'draft' compliance again for an account by checking the box next to the account number and clicking the 'Run Draft Compliance' button below the table. Review the information for that account; 'Draft' will be denoted in the 'Compliance Status' column until final compliance is run for that account. If a 0 (zero) appears in the 'Excess Emissions' column, that means there are currently enough allowances in the account to cover the emissions. You may run draft compliance for an account as many times as you wish (e.g., after allowance transfers or emissions data resubmissions) until final compliance is run for that account.

After the allowance transfer deadline, you may run final compliance for an account by checking the box next to the account number and clicking the 'Run Final Compliance' button below the table.

If you have any questions, please send an email to AnnualReconciliation@epa.gov.

- [Compliance Accounts](#)

This grid displays the Order, Program, Year, Serial Range, Starting and Ending Serial Numbers and Total allowances for the year as well as whether or not the year or serial range has been identified for deduction. Users must make a selection using the checkboxes in order to indicate which block of allowances should be identified for deduction.

Show entries

Search:

Processing...

| Account Number | Account Name | State | Total User Specified Allowances for Deduction (optional) | Emissions (tons) | Excess Emissions | Last Updated By | Last Updated Date | | | |
|----------------|---------------------------------------|-------|--|------------------|------------------|-----------------|-------------------|------------------------|-----------------|------------------------|
| 000302FACLT | Cabrillo Power I Encina Power Station | CA | 167 | 0 | 0 | 0 | Final | 03/04/2022 03:37:35 PM | Piantka, George | 03/04/2022 03:37:35 PM |

Showing 1 to 4 of 4 entries

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[Download Report \(CSV\)](#) [Why can't I run final compliance?](#)

Run Draft Compliance

Run Final Compliance

Attachment B Quality Assurance Plan Compliance Statement:

AQ-14: Shutdown Event Duration

AQ-15: Startup Event Duration

AQ-24: CEMS Data Summaries (Part 60 Subpart KKKK,
and 40 CFR Part 75)

AQ-26: CEMS Minute Data Summary

AQ-75: Data Substitution Calculations

April 13, 2022

Subject: CARLSBAD ENERGY CENTER AQ-SC8 REPORT - QUALITY ASSURANCE
PLAN COMPLIANCE STATEMENT

The following conditions required in AQ-SC8 Quarterly Report are covered in the Quality Assurance Plan:

- AQ-14
- AQ-15
- AQ-24
- AQ-26
- AQ-75
- AQ-80

Attachment C Sulfur Content Lab Report:

AQ-22: Natural Gas Sulfur Content



March 31, 2022

Mr. Tim Sisk
Carlsbad Energy Center LLC
4950 Avenida Encinas
Carlsbad, CA 92008

**Subject: 1Q22 Quarterly Fuel Analysis Results for Carlsbad Energy Center
Report Number: W002AS-013539-RT-3410**

Dear Tim,

Montrose Air Quality Services, LLC (MAQS) collected two natural gas samples from Carlsbad Energy Center on February 9, 2022. The samples were delivered to Quantum Analytical Services and analyzed for sulfur compounds by EPA Method ASTM D6228-98. The result of the analysis was 1.78 ppmv total reduced sulfur compounds as Sulfur. This letter presents the calculations from ppm to grains per hundred standard cubic feet.

$$\frac{1.78 \text{ scf S}}{10^6 \text{ scf fuel}} * \frac{32 \text{ lb}}{\text{lb-mole}} * \frac{\text{lb-mole}}{379.5 \text{ scf}} * \frac{100 \text{ scf}}{\text{hundred scf}} * \frac{7000 \text{ grains}}{\text{lb}} = \frac{0.11 \text{ grains S}}{\text{hundred scf}}$$

The lab report is attached for your reference. Please give me a call if you have any further questions or comments.

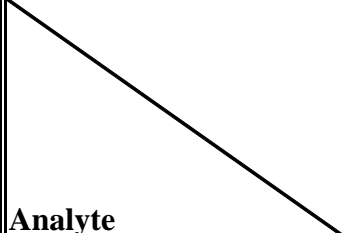
Sincerely,

A handwritten signature in black ink, appearing to read "Rik Dupont", with a horizontal line drawn through the end of the signature.

Rik Dupont
Project Manager
Montrose Air Quality Services, LLC

CLIENT: **MONTROSE**
CLIENT PROJ NO: **Carlsbad Energy Center**
LABORATORY NO: **22-126**
SAMPLING DATE: **02/09/22**
RECEIVING DATE: **02/09/22**
ANALYSIS DATE: **02/09/22**
REPORT DATE: **02/11/22**

Laboratory Analysis Report

| | | | |
|--|----------------------|-----------------|-----------------|
| Analysis Method | ASTM D6228-98 | | |
| Detection Limits | 0.05PPMV | | |
|  Analyte | Client ID | 1-Fuel | 2-Fuel |
| | Sampling Date | 02/09/22 | 02/09/22 |
| | Sampling Time | - | - |
| | Lab ID | 04022-8 | 04022-9 |
| | Units | PPMV | PPMV |
| Hydrogen Sulfide | 0.12 | 0.12 | |
| Carbonyl Sulfide | <0.05 | <0.05 | |
| Methyl Mercaptan | <0.05 | <0.05 | |
| Ethyl Mercaptan | <0.05 | <0.05 | |
| t-Butyl Mercaptan | 0.82 | 0.82 | |
| Tetrahydrothiophene | 0.84 | 0.84 | |
| Un-Identified S Compounds | <0.05 | <0.05 | |
| Total Sulfur as H₂S | 1.78 | 1.78 | |



Dr. Andrew Kitto
President

CLIENT: MONTROSE
CLIENT PROJ NO: Carlsbad Energy Center
LABORATORY NO: 22-126
SAMPLING DATE: 02/09/22
RECEIVING DATE: 02/09/22
ANALYSIS DATE: 02/09/22
REPORT DATE: 02/11/22

Quality Assurance Report

Duplicate Analysis

Sample ID: 2-Fuel

Lab ID: 04022-9

| Analysis Method | | ASTM D6228-98 | | |
|----------------------------|---------------------|----------------------------|-----------------|----------------------|
| Detection Limit | | 0.05 PPMV | | |
| Analyte | Aver. Conc. PPMV | Dil. Factor Ambient Air | DF*A/CF PPMV | % Sample Recovery |
| Hydrogen Sulfide | 0.12 | 1 | 0.11 | 98.3 |
| Carbonyl Sulfide | <0.05 | 1 | <0.05 | N/A |
| Methyl Mercaptan | <0.05 | 1 | <0.05 | N/A |
| Ethyl Mercaptan | <0.05 | 1 | <0.05 | N/A |
| t-Butyl Mercaptan | 0.81 | 1 | 0.81 | 99.6 |
| Tetrahydrothiophene | 0.83 | 1 | 0.82 | 98.8 |
| Unidentified S Compounds | <0.05 | 1 | <0.05 | N/A |
| Total Sulfur as H2S | 1.76 | 1 | 1.75 | 99.1 |

N/A: Not Applicable



Dr. Andrew Kitto
President

22-126

CHAIN OF CUSTODY

CLIENT: Carlsbad Energy Center PROJECT NUMBER: PROJ-013539 TEST DATE(S): 2/9/2022
 LOCATION: Carlsbad SAMPLER(S): RD
 SAMPLE LOCATION: Gas Line PROJECT MANAGER: RD
 TEST METHOD(S): ASTM D6228-98 DATE DUE: 2/19/2022
 OUTSIDE LAB REQUIRED?: Yes - Quantum Lab COMPLIANCE TEST? Yes

| DATE | TIME | TEST # | SAMPLE DESCRIPTION | CONTAINERS | SAMPLER | COMMENTS |
|----------|------|--------|--------------------|------------|---------|----------------|
| 2/9/2022 | | 1-Fuel | 5L Tedlar Bag | 1 | RD | 5 L Tedlar Bag |
| 2/9/2022 | | 2-Fuel | 5L Tedlar Bag | 1 | RD | 5 L Tedlar Bag |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| RELEASED BY | DATE/TIME | RECEIVED BY | DATE/TIME |
|---------------|-----------|-------------|-------------|
| Roy M. V. Gal | 2/9/22 | [Signature] | 2/9/22 1445 |
| | | | |
| | | | |

ANALYSIS REQUIRED: Please report IRS as Sulfur in addition to H₂S
 USE PO# _____

W002AS-013539-RT-3410

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Date of Last Revision 9/1/2017

Chain of Custody - DS834001 - Excel
Master Document Storage\Forms\Datasheets\Lab Forms

THIS IS THE LAST PAGE OF THIS DOCUMENT

If you have any questions, please contact one of the following individuals by email or phone.

Name: Rik Dupont
Title: Field Project Manager
Region: West
Email: RDupont@montrose-env.com
Phone: (714) 279-6777

Name: Mr. Matt McCune
Title: Regional Vice President
Region: West
Email: MMccune@montrose-env.com
Phone: (714) 279-6777

Attachment D Post Commercial Data Summary:

AQ-27: NO_x Corrected 2.5 PPM 1-Hour Average Data

AQ-28: CO Corrected 4.0 PPM 1-Hour Average Data

AQ-30: Ammonia Source Test and Calculated Corrected Ammonia Slip 5.0 PPM 1-Hour Average

AQ-31: NO_x 42 PPM Limit

AQ-32: NO_x 13.6 PPM Limit

AQ-33: NO_x 22.6 PPM Limit

AQ-39: NO_x, CO, and VOC Pound Per Operating Hour Summary

AQ-42: NO_x 90 Pound Per Hour and 100 PPM Limit Summary

AQ-43: CO 248 Pound Per Hour and 400 PPM Limit Summary

April 13, 2022

Subject: CARLSBAD ENERGY CENTER AQ-SC8 REPORT – POST
COMMERCIAL DATA SUMMARY

The following conditions required in AQ-SC8 Quarterly Report are covered in the following data summary:

- AQ-27
- AQ-28
- AQ-30
- AQ-31
- AQ-32
- AQ-33
- AQ-39
- AQ-42
- AQ-43

The ammonia slip hourly values included in the following data summary are only intended to be an estimate and do not have the reliability to be used for compliance demonstration. At low load operation, the slip estimate equation has been found to give values that are significantly higher than the actual measured ammonia slip. The San Diego Air Pollution Control District does not require Carlsbad Energy Center to estimate slip. The annual ammonia slip test is used for compliance. Units 6, 7, 8, and 9 all demonstrated ammonia slip test compliance in the source tests conducted in the first quarter of 2022 (February 7-12, 2022) and Unit 10 demonstrated compliance in the fourth quarter of 2021 (November 30, 2021 test date).

Average Values Report
Generated: 4/1/2022 08:33

Company: NRG Carlsbad
Plant: 4600 Carlsbad Blvd
City/St: Carlsbad, CA 92008
Source: 6

Period Start: 1/1/2022 00:00
Period End: 3/31/2022 23:59
Validation Type: 1/60 min
Averaging Period: 1 hr
Type: Block Avg

| Period Start: | Average 6NOxCorOP1 ppm | Average 6NOX#OP1HR LBS | Average 6COCorOP1 ppm | Average 6CO#OP1HR LBS | Average 6NH3CorOP1 ppm | Notes |
|------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|
| 01/01/2022 17:00 | 1.6 | 1.6 | 0.0 | 0.0 | 3.5 | |
| 01/01/2022 21:00 | 1.6 | 1.7 | 0.0 | 0.0 | 3.8 | |
| 01/02/2022 20:00 | 1.5 | 1.6 | 0.0 | 0.0 | 3.4 | |
| 01/02/2022 21:00 | 1.7 | 0.8 | 0.1 | 0.0 | 3.9 | |
| 01/03/2022 06:00 | 1.5 | 1.9 | 0.1 | 0.1 | 3.2 | |
| 01/03/2022 15:00 | 1.5 | 2.4 | 0.6 | 0.8 | 3.1 | |
| 01/03/2022 16:00 | 1.5 | 2.9 | 0.2 | 0.4 | 3.9 | |
| 01/03/2022 17:00 | 1.5 | 2.1 | 0.0 | 0.0 | 5.2 | NH3 Slip not compliance data |
| 01/03/2022 18:00 | 1.5 | 2.7 | 0.1 | 0.1 | 5.1 | NH3 Slip not compliance data |
| 01/03/2022 19:00 | 1.6 | 3.2 | 0.2 | 0.2 | 3.7 | |
| 01/03/2022 20:00 | 1.4 | 2.3 | 0.3 | 0.4 | 4.6 | |
| 01/03/2022 21:00 | 1.5 | 1.8 | 0.1 | 0.1 | 5.8 | NH3 Slip not compliance data |
| 01/04/2022 17:00 | 1.5 | 1.7 | 0.0 | 0.0 | 4.0 | |
| 01/04/2022 18:00 | 1.5 | 1.6 | 0.0 | 0.0 | 4.6 | |
| 01/05/2022 16:00 | 1.7 | 1.5 | 1.0 | 0.6 | 2.6 | |
| 01/05/2022 17:00 | 1.5 | 1.9 | 0.0 | 0.0 | 4.2 | |
| 01/06/2022 06:00 | 1.5 | 0.4 | 0.2 | 0.0 | 3.7 | |
| 01/06/2022 07:00 | 1.5 | 2.0 | 0.2 | 0.1 | 3.9 | |
| 01/06/2022 08:00 | 1.5 | 0.5 | 0.2 | 0.0 | 3.7 | |
| 01/06/2022 17:00 | 1.5 | 2.5 | 0.4 | 0.4 | 2.6 | |
| 01/06/2022 18:00 | 1.5 | 1.9 | 0.1 | 0.1 | 4.6 | |
| 01/06/2022 19:00 | 1.5 | 2.2 | 0.2 | 0.1 | 4.4 | |
| 01/07/2022 06:00 | 1.5 | 0.4 | 0.3 | 0.1 | 3.7 | |
| 01/07/2022 07:00 | 1.5 | 1.0 | 0.3 | 0.1 | 3.8 | |
| 01/07/2022 19:00 | 1.3 | 0.4 | 0.1 | 0.0 | 4.0 | |
| 01/07/2022 20:00 | 1.5 | 0.9 | 0.1 | 0.0 | 4.2 | |
| 01/08/2022 16:00 | 1.6 | 0.3 | 0.1 | 0.0 | 3.0 | |
| 01/08/2022 17:00 | 1.6 | 1.3 | 0.4 | 0.2 | 4.2 | |
| 01/08/2022 18:00 | 1.5 | 0.5 | 0.1 | 0.0 | 4.6 | |
| 01/08/2022 21:00 | 1.5 | 1.3 | 0.1 | 0.0 | 4.1 | |
| 01/09/2022 18:00 | 1.6 | 1.0 | 0.2 | 0.1 | 3.5 | |
| 01/09/2022 19:00 | 1.5 | 1.9 | 0.1 | 0.1 | 4.3 | |
| 01/10/2022 07:00 | 1.6 | 1.4 | 0.1 | 0.1 | 3.7 | |
| 01/10/2022 08:00 | 1.6 | 0.5 | 0.1 | 0.0 | 4.7 | |
| 01/10/2022 20:00 | 1.5 | 1.6 | 0.1 | 0.1 | 3.6 | |
| 01/11/2022 08:00 | 1.6 | 1.5 | 0.2 | 0.1 | 3.1 | |
| 01/11/2022 09:00 | 1.5 | 0.6 | 0.3 | 0.1 | 4.1 | |
| 01/11/2022 15:00 | 1.6 | 0.9 | 2.2 | 0.7 | 2.1 | |
| 01/11/2022 16:00 | 1.8 | 0.4 | 0.1 | 0.0 | 5.1 | |
| 01/11/2022 17:00 | 1.6 | 1.9 | 0.1 | 0.2 | 5.0 | |
| 01/11/2022 18:00 | 1.5 | 1.9 | 0.1 | 0.1 | 4.9 | |
| 01/11/2022 19:00 | 1.5 | 2.6 | 0.3 | 0.4 | 4.4 | |
| 01/11/2022 20:00 | 1.5 | 1.9 | 0.1 | 0.1 | 4.5 | |
| 01/12/2022 06:00 | 1.6 | 0.4 | 0.1 | 0.0 | 3.7 | |
| 01/12/2022 07:00 | 1.6 | 2.4 | 0.2 | 0.2 | 4.2 | |
| 01/12/2022 08:00 | 1.5 | 0.5 | 0.2 | 0.0 | 4.3 | |
| 01/12/2022 10:00 | 1.7 | 2.2 | 0.4 | 0.4 | 3.0 | |
| 01/12/2022 11:00 | 1.5 | 3.2 | 0.5 | 0.7 | 3.6 | |
| 01/12/2022 12:00 | 1.4 | 4.3 | 1.1 | 2.0 | 2.2 | |
| 01/12/2022 17:00 | 1.6 | 1.9 | 0.0 | 0.0 | 4.0 | |
| 01/13/2022 06:00 | 1.6 | 1.5 | 0.0 | 0.0 | 4.1 | |
| 01/13/2022 07:00 | 1.5 | 1.4 | 0.2 | 0.1 | 4.9 | |
| 01/13/2022 08:00 | 1.5 | 0.5 | 0.0 | 0.0 | 5.2 | |
| 01/13/2022 18:00 | 1.5 | 0.6 | 0.0 | 0.0 | 4.0 | |
| 01/13/2022 19:00 | 1.5 | 2.2 | 0.0 | 0.0 | 4.6 | |
| 01/14/2022 08:00 | 1.5 | 1.6 | 0.0 | 0.0 | 4.0 | |
| 01/14/2022 09:00 | 1.5 | 0.4 | 0.0 | 0.0 | 4.7 | |
| 01/14/2022 17:00 | 1.6 | 1.6 | 0.0 | 0.0 | 4.1 | |
| 01/15/2022 17:00 | 1.5 | 1.5 | 0.0 | 0.0 | 4.4 | |
| 01/15/2022 18:00 | 1.3 | 1.3 | 0.0 | 0.0 | 5.7 | NH3 Slip not compliance data |
| 01/16/2022 17:00 | 1.5 | 1.6 | 0.0 | 0.0 | 3.8 | |
| 01/16/2022 21:00 | 1.6 | 1.7 | 0.0 | 0.0 | 4.2 | |
| 01/16/2022 22:00 | 1.5 | 0.5 | 0.0 | 0.0 | 4.7 | |
| 01/17/2022 17:00 | 1.6 | 0.8 | 0.2 | 0.1 | 4.3 | |
| 01/17/2022 18:00 | 1.3 | 1.3 | 0.0 | 0.0 | 5.9 | NH3 Slip not compliance data |

| | | | | | | |
|------------------|-----|-----|-----|-----|-----|------------------------------|
| 01/17/2022 21:00 | 1.4 | 1.5 | 0.0 | 0.0 | 4.8 | |
| 01/17/2022 22:00 | 1.3 | 0.4 | 0.0 | 0.0 | 5.9 | NH3 Slip not compliance data |
| 01/18/2022 16:00 | 1.6 | 0.1 | 0.0 | 0.0 | 3.2 | |
| 01/18/2022 17:00 | 1.5 | 2.0 | 0.0 | 0.0 | 4.2 | |
| 01/19/2022 06:00 | 1.6 | 1.4 | 0.0 | 0.0 | 3.9 | |
| 01/19/2022 07:00 | 1.5 | 2.0 | 0.0 | 0.0 | 5.2 | NH3 Slip not compliance data |
| 01/19/2022 08:00 | 1.6 | 0.5 | 0.0 | 0.0 | 6.0 | NH3 Slip not compliance data |
| 01/19/2022 17:00 | 1.6 | 1.4 | 0.0 | 0.0 | 4.0 | |
| 01/19/2022 21:00 | 1.5 | 1.5 | 0.0 | 0.0 | 4.3 | |
| 01/20/2022 16:00 | 1.5 | 0.6 | 0.0 | 0.0 | 3.2 | |
| 01/20/2022 17:00 | 1.5 | 2.1 | 0.0 | 0.0 | 4.4 | |
| 01/20/2022 20:00 | 1.5 | 0.9 | 0.4 | 0.1 | 4.6 | |
| 01/20/2022 21:00 | 1.5 | 0.5 | 0.0 | 0.0 | 4.7 | |
| 01/21/2022 17:00 | 1.6 | 1.4 | 0.0 | 0.0 | 3.5 | |
| 01/22/2022 20:00 | 1.6 | 1.4 | 0.1 | 0.0 | 3.9 | |
| 01/23/2022 17:00 | 1.5 | 1.9 | 0.2 | 0.1 | 3.5 | |
| 01/23/2022 20:00 | 1.5 | 1.7 | 0.1 | 0.0 | 4.1 | |
| 01/24/2022 16:00 | 1.9 | 0.1 | 0.0 | 0.0 | 3.5 | |
| 01/24/2022 17:00 | 1.5 | 2.0 | 0.1 | 0.0 | 3.6 | |
| 01/24/2022 20:00 | 1.5 | 1.7 | 0.1 | 0.0 | 4.2 | |
| 01/24/2022 21:00 | 1.5 | 0.5 | 0.1 | 0.0 | 4.7 | |
| 01/25/2022 06:00 | 1.4 | 0.9 | 0.6 | 0.2 | 5.0 | |
| 01/25/2022 07:00 | 1.5 | 1.0 | 0.3 | 0.1 | 5.0 | |
| 01/25/2022 17:00 | 1.5 | 1.5 | 0.0 | 0.0 | 4.1 | |
| 01/25/2022 20:00 | 1.3 | 0.9 | 0.1 | 0.0 | 4.7 | |
| 01/25/2022 21:00 | 1.2 | 1.5 | 0.1 | 0.1 | 5.2 | NH3 Slip not compliance data |
| 01/26/2022 06:00 | 1.5 | 1.5 | 0.3 | 0.2 | 3.9 | |
| 01/26/2022 07:00 | 1.5 | 1.0 | 0.3 | 0.1 | 3.9 | |
| 01/26/2022 16:00 | 1.7 | 0.1 | 0.0 | 0.0 | 3.0 | |
| 01/26/2022 17:00 | 1.5 | 2.2 | 0.0 | 0.0 | 3.9 | |
| 01/26/2022 18:00 | 1.5 | 1.6 | 0.0 | 0.0 | 4.6 | |
| 01/27/2022 07:00 | 1.5 | 1.1 | 0.0 | 0.0 | 4.1 | |
| 01/27/2022 08:00 | 1.5 | 2.0 | 0.0 | 0.0 | 5.3 | |
| 01/28/2022 19:00 | 1.6 | 1.4 | 0.0 | 0.0 | 4.5 | |
| 01/29/2022 19:00 | 1.7 | 0.1 | 0.0 | 0.0 | 3.9 | |
| 01/29/2022 20:00 | 1.6 | 1.2 | 0.2 | 0.1 | 5.0 | |
| 01/30/2022 17:00 | 1.5 | 0.6 | 0.0 | 0.0 | 3.1 | |
| 01/30/2022 18:00 | 1.5 | 2.2 | 0.0 | 0.0 | 4.4 | |
| 01/31/2022 08:00 | 1.5 | 1.8 | 0.1 | 0.1 | 3.4 | |
| 01/31/2022 09:00 | 1.6 | 0.5 | 0.0 | 0.0 | 4.3 | |
| 01/31/2022 14:00 | 1.5 | 3.2 | 0.4 | 0.5 | 2.3 | |
| 01/31/2022 15:00 | 1.5 | 3.1 | 0.1 | 0.1 | 3.6 | |
| 01/31/2022 16:00 | 1.4 | 0.6 | 0.1 | 0.0 | 4.5 | |
| 02/01/2022 08:00 | 1.3 | 0.3 | 0.0 | 0.0 | 4.4 | |
| 02/01/2022 09:00 | 1.2 | 1.1 | 0.0 | 0.0 | 5.8 | NH3 Slip not compliance data |
| 02/01/2022 13:00 | 1.1 | 0.3 | 0.0 | 0.0 | 4.5 | |
| 02/01/2022 14:00 | 1.2 | 1.0 | 0.0 | 0.0 | 6.0 | NH3 Slip not compliance data |
| 02/01/2022 19:00 | 1.5 | 1.3 | 0.0 | 0.0 | 4.0 | |
| 02/01/2022 20:00 | 1.5 | 2.0 | 0.0 | 0.0 | 5.0 | |
| 02/01/2022 21:00 | 1.7 | 1.1 | 0.0 | 0.0 | 5.6 | |
| 02/02/2022 08:00 | 1.7 | 0.9 | 0.2 | 0.1 | 4.6 | |
| 02/02/2022 20:00 | 1.6 | 1.3 | 0.0 | 0.0 | 4.5 | |
| 02/03/2022 06:00 | 1.6 | 1.5 | 0.1 | 0.1 | 4.3 | |
| 02/03/2022 07:00 | 2.1 | 0.3 | 0.1 | 0.0 | 4.0 | |
| 02/03/2022 19:00 | 1.6 | 0.8 | 0.0 | 0.0 | 3.7 | |
| 02/03/2022 20:00 | 1.6 | 2.0 | 0.0 | 0.0 | 4.4 | |
| 02/04/2022 06:00 | 1.5 | 2.3 | 0.6 | 0.6 | 2.5 | |
| 02/04/2022 07:00 | 1.6 | 1.0 | 0.3 | 0.1 | 4.1 | |
| 02/04/2022 18:00 | 1.6 | 1.7 | 0.1 | 0.1 | 3.7 | |
| 02/04/2022 19:00 | 1.5 | 0.9 | 0.1 | 0.0 | 4.1 | |
| 02/04/2022 22:00 | 1.5 | 1.8 | 0.2 | 0.1 | 4.0 | |
| 02/05/2022 18:00 | 1.6 | 0.9 | 0.5 | 0.2 | 4.1 | |
| 02/06/2022 20:00 | 1.6 | 1.5 | 0.1 | 0.0 | 3.6 | |
| 02/07/2022 06:00 | 1.5 | 1.7 | 0.1 | 0.1 | 3.6 | |
| 02/07/2022 07:00 | 1.4 | 2.6 | 0.9 | 1.1 | 2.5 | |
| 02/07/2022 08:00 | 1.5 | 4.6 | 1.0 | 1.9 | 1.8 | |
| 02/07/2022 09:00 | 1.5 | 4.6 | 0.8 | 1.4 | 2.1 | |
| 02/07/2022 10:00 | 1.5 | 4.6 | 0.7 | 1.3 | 2.0 | |
| 02/07/2022 11:00 | 1.5 | 4.6 | 0.7 | 1.4 | 2.1 | |
| 02/07/2022 12:00 | 1.5 | 4.7 | 0.7 | 1.3 | 2.1 | |
| 02/07/2022 13:00 | 1.5 | 4.6 | 0.7 | 1.3 | 2.0 | |
| 02/07/2022 14:00 | 1.5 | 4.6 | 0.7 | 1.3 | 2.2 | |
| 02/07/2022 15:00 | 1.5 | 4.7 | 0.6 | 1.1 | 2.1 | |
| 02/07/2022 16:00 | 1.5 | 4.7 | 0.6 | 1.0 | 2.2 | |
| 02/07/2022 17:00 | 1.5 | 4.6 | 0.5 | 0.9 | 2.6 | |
| 02/07/2022 18:00 | 1.5 | 4.6 | 0.5 | 0.9 | 2.6 | |
| 02/07/2022 19:00 | 1.5 | 3.5 | 0.3 | 0.5 | 3.5 | |

| | | | | | |
|------------------|-----|-----|-----|-----|----------------------------------|
| 02/08/2022 18:00 | 1.5 | 1.2 | 0.0 | 0.0 | 3.8 |
| 02/08/2022 19:00 | 1.5 | 0.6 | 0.0 | 0.0 | 4.6 |
| 02/08/2022 20:00 | 1.8 | 0.1 | 0.0 | 0.0 | 4.0 |
| 02/08/2022 21:00 | 1.6 | 2.1 | 0.0 | 0.0 | 4.8 |
| 02/08/2022 22:00 | 1.6 | 0.3 | 0.0 | 0.0 | 5.5 NH3 Slip not compliance data |
| 02/09/2022 17:00 | 1.6 | 0.6 | 0.2 | 0.0 | 3.9 |
| 02/09/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.1 | 4.5 |
| 02/09/2022 22:00 | 1.5 | 0.1 | 0.0 | 0.0 | 3.7 |
| 02/09/2022 23:00 | 1.6 | 0.7 | 0.2 | 0.1 | 4.4 |
| 02/10/2022 19:00 | 1.6 | 1.3 | 0.0 | 0.0 | 3.3 |
| 02/10/2022 20:00 | 1.3 | 1.1 | 0.4 | 0.2 | 3.4 |
| 02/11/2022 18:00 | 1.5 | 1.5 | 0.1 | 0.1 | 3.8 |
| 02/11/2022 21:00 | 1.6 | 0.6 | 0.0 | 0.0 | 4.0 |
| 02/11/2022 22:00 | 1.5 | 1.8 | 0.0 | 0.0 | 4.2 |
| 02/12/2022 17:00 | 1.7 | 0.3 | 0.2 | 0.0 | 3.2 |
| 02/12/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.1 | 4.3 |
| 02/12/2022 22:00 | 1.6 | 0.9 | 0.1 | 0.0 | 4.1 |
| 02/12/2022 23:00 | 1.6 | 0.9 | 0.0 | 0.0 | 4.4 |
| 02/13/2022 18:00 | 1.6 | 1.5 | 0.2 | 0.1 | 3.8 |
| 02/13/2022 22:00 | 1.3 | 0.5 | 0.0 | 0.0 | 4.2 |
| 02/13/2022 23:00 | 1.6 | 1.1 | 0.0 | 0.0 | 4.9 |
| 02/14/2022 18:00 | 2.1 | 0.0 | 0.0 | 0.0 | 2.2 |
| 02/14/2022 19:00 | 1.6 | 1.6 | 0.2 | 0.1 | 4.5 |
| 02/14/2022 20:00 | 1.5 | 1.5 | 0.0 | 0.0 | 4.6 |
| 02/15/2022 17:00 | 1.6 | 0.7 | 0.1 | 0.0 | 3.6 |
| 02/15/2022 18:00 | 1.5 | 2.0 | 0.1 | 0.1 | 3.9 |
| 02/15/2022 19:00 | 1.5 | 2.0 | 0.1 | 0.1 | 4.2 |
| 02/15/2022 20:00 | 1.5 | 2.0 | 0.1 | 0.1 | 4.2 |
| 02/16/2022 18:00 | 1.5 | 1.5 | 0.1 | 0.0 | 4.2 |
| 02/16/2022 19:00 | 1.5 | 0.4 | 0.1 | 0.0 | 4.5 |
| 02/16/2022 22:00 | 1.5 | 1.7 | 0.1 | 0.0 | 4.0 |
| 02/17/2022 17:00 | 1.5 | 0.4 | 0.0 | 0.0 | 3.2 |
| 02/17/2022 18:00 | 1.5 | 2.2 | 0.0 | 0.0 | 4.3 |
| 02/17/2022 19:00 | 1.5 | 1.4 | 0.0 | 0.0 | 5.0 |
| 02/17/2022 22:00 | 1.6 | 1.9 | 0.0 | 0.0 | 4.5 |
| 02/18/2022 06:00 | 1.7 | 0.7 | 0.6 | 0.1 | 4.4 |
| 02/18/2022 20:00 | 1.5 | 1.7 | 0.0 | 0.0 | 4.1 |
| 02/18/2022 21:00 | 1.5 | 0.5 | 0.0 | 0.0 | 4.5 |
| 02/19/2022 17:00 | 1.5 | 1.7 | 0.0 | 0.0 | 4.1 |
| 02/19/2022 18:00 | 1.5 | 2.0 | 0.0 | 0.0 | 5.7 NH3 Slip not compliance data |
| 02/19/2022 19:00 | 1.5 | 2.1 | 0.0 | 0.0 | 6.1 NH3 Slip not compliance data |
| 02/19/2022 20:00 | 1.5 | 1.5 | 0.0 | 0.0 | 6.1 NH3 Slip not compliance data |
| 02/20/2022 16:00 | 1.5 | 0.5 | 0.0 | 0.0 | 3.0 |
| 02/20/2022 17:00 | 1.6 | 1.0 | 0.0 | 0.0 | 4.4 |
| 02/21/2022 17:00 | 1.6 | 1.6 | 0.0 | 0.0 | 4.2 |
| 02/21/2022 18:00 | 1.5 | 2.1 | 0.0 | 0.0 | 5.7 NH3 Slip not compliance data |
| 02/21/2022 19:00 | 1.5 | 2.0 | 0.0 | 0.0 | 6.0 NH3 Slip not compliance data |
| 02/21/2022 20:00 | 1.6 | 0.6 | 0.0 | 0.0 | 4.9 |
| 02/22/2022 06:00 | 1.6 | 1.7 | 0.0 | 0.0 | 3.7 |
| 02/22/2022 07:00 | 1.4 | 1.9 | 0.4 | 0.4 | 4.1 |
| 02/22/2022 15:00 | 2.0 | 0.7 | 0.7 | 0.1 | 3.4 |
| 02/22/2022 16:00 | 1.4 | 2.3 | 0.1 | 0.1 | 5.0 |
| 02/22/2022 17:00 | 1.4 | 2.0 | 0.0 | 0.0 | 5.7 NH3 Slip not compliance data |
| 02/22/2022 18:00 | 1.4 | 1.8 | 0.0 | 0.0 | 5.7 NH3 Slip not compliance data |
| 02/22/2022 19:00 | 1.3 | 1.8 | 0.0 | 0.0 | 8.2 NH3 Slip not compliance data |
| 02/22/2022 20:00 | 1.2 | 1.8 | 0.0 | 0.0 | 8.5 NH3 Slip not compliance data |
| 02/22/2022 21:00 | 1.3 | 1.3 | 0.1 | 0.1 | 4.9 |
| 02/23/2022 06:00 | 1.3 | 2.7 | 0.6 | 0.8 | 2.6 |
| 02/23/2022 17:00 | 1.6 | 5.3 | 1.0 | 2.1 | 2.6 |
| 02/23/2022 18:00 | 1.6 | 2.4 | 0.0 | 0.0 | 4.7 |
| 02/23/2022 19:00 | 1.5 | 5.0 | 0.5 | 1.1 | 3.4 |
| 02/23/2022 20:00 | 1.5 | 5.2 | 0.5 | 1.0 | 2.8 |
| 02/23/2022 21:00 | 1.5 | 3.7 | 0.5 | 0.7 | 3.1 |
| 02/24/2022 06:00 | 1.3 | 3.1 | 0.7 | 1.1 | 2.7 |
| 02/24/2022 07:00 | 1.5 | 1.6 | 0.2 | 0.2 | 3.4 |
| 02/24/2022 17:00 | 1.5 | 1.6 | 0.9 | 0.7 | 2.2 |
| 02/24/2022 18:00 | 1.5 | 2.1 | 0.1 | 0.1 | 5.3 NH3 Slip not compliance data |
| 02/24/2022 19:00 | 1.3 | 3.8 | 0.3 | 0.5 | 3.6 |
| 02/24/2022 20:00 | 1.2 | 0.4 | 0.0 | 0.0 | 5.6 NH3 Slip not compliance data |
| 02/25/2022 06:00 | 1.6 | 1.5 | 0.0 | 0.0 | 4.4 |
| 02/25/2022 17:00 | 1.5 | 1.9 | 0.0 | 0.0 | 4.3 |
| 02/25/2022 18:00 | 1.5 | 2.1 | 0.0 | 0.0 | 5.7 NH3 Slip not compliance data |
| 02/25/2022 19:00 | 1.5 | 2.0 | 0.0 | 0.0 | 5.8 NH3 Slip not compliance data |
| 02/25/2022 20:00 | 1.5 | 1.9 | 0.0 | 0.0 | 5.7 NH3 Slip not compliance data |
| 02/26/2022 17:00 | 1.3 | 1.4 | 0.0 | 0.0 | 5.9 NH3 Slip not compliance data |
| 02/27/2022 17:00 | 1.4 | 1.9 | 0.0 | 0.0 | 5.1 NH3 Slip not compliance data |
| 02/27/2022 18:00 | 1.5 | 2.2 | 0.0 | 0.0 | 5.7 NH3 Slip not compliance data |

| | | | | | | |
|-----------------------|------------|------------|------------|------------|------------|------------------------------|
| 02/27/2022 19:00 | 1.5 | 2.1 | 0.0 | 0.0 | 6.5 | NH3 Slip not compliance data |
| 02/28/2022 06:00 | 1.8 | 0.8 | 0.6 | 0.1 | 4.4 | |
| 02/28/2022 17:00 | 1.5 | 2.1 | 0.0 | 0.0 | 4.6 | |
| 02/28/2022 18:00 | 1.5 | 2.2 | 0.0 | 0.0 | 5.6 | NH3 Slip not compliance data |
| 02/28/2022 19:00 | 1.5 | 2.1 | 0.0 | 0.0 | 5.9 | NH3 Slip not compliance data |
| 02/28/2022 20:00 | 1.5 | 2.1 | 0.0 | 0.0 | 7.1 | NH3 Slip not compliance data |
| 03/01/2022 06:00 | 1.6 | 1.6 | 0.1 | 0.0 | 4.5 | |
| 03/01/2022 07:00 | 1.6 | 2.1 | 0.1 | 0.1 | 5.0 | |
| 03/01/2022 08:00 | 1.5 | 0.9 | 0.1 | 0.0 | 5.2 | NH3 Slip not compliance data |
| 03/01/2022 17:00 | 1.5 | 1.6 | 0.1 | 0.0 | 4.2 | |
| 03/01/2022 18:00 | 1.5 | 2.0 | 0.1 | 0.1 | 5.1 | NH3 Slip not compliance data |
| 03/01/2022 19:00 | 1.5 | 2.0 | 0.1 | 0.1 | 5.9 | NH3 Slip not compliance data |
| 03/01/2022 20:00 | 1.5 | 1.8 | 0.0 | 0.0 | 5.9 | NH3 Slip not compliance data |
| 03/14/2022 07:00 | 1.6 | 0.7 | 0.8 | 0.2 | 3.2 | |
| 03/14/2022 08:00 | 1.5 | 2.9 | 0.8 | 1.1 | 3.3 | |
| 03/14/2022 09:00 | 1.5 | 1.7 | 0.4 | 0.3 | 4.5 | |
| 03/14/2022 18:00 | 1.3 | 1.2 | 1.0 | 0.6 | 3.6 | |
| 03/14/2022 19:00 | 1.2 | 0.3 | 0.3 | 0.1 | 5.6 | NH3 Slip not compliance data |
| 03/19/2022 08:00 | 1.3 | 2.4 | 0.4 | 0.4 | 4.3 | |
| 03/19/2022 09:00 | 1.3 | 2.6 | 0.3 | 0.4 | 5.3 | |
| 03/19/2022 10:00 | 1.5 | 2.2 | 0.2 | 0.1 | 6.6 | NH3 Slip not compliance data |
| 03/19/2022 11:00 | 1.5 | 2.2 | 0.2 | 0.2 | 6.6 | NH3 Slip not compliance data |
| 03/19/2022 12:00 | 1.5 | 2.2 | 0.2 | 0.2 | 6.6 | NH3 Slip not compliance data |
| 03/19/2022 13:00 | 1.5 | 2.2 | 0.2 | 0.2 | 6.5 | NH3 Slip not compliance data |
| 03/19/2022 14:00 | 1.5 | 2.2 | 0.2 | 0.1 | 6.5 | NH3 Slip not compliance data |
| 03/19/2022 15:00 | 1.5 | 2.2 | 0.2 | 0.1 | 6.6 | NH3 Slip not compliance data |
| 03/19/2022 16:00 | 1.6 | 2.2 | 0.1 | 0.1 | 6.6 | NH3 Slip not compliance data |
| 03/19/2022 17:00 | 1.6 | 2.2 | 0.1 | 0.1 | 6.7 | NH3 Slip not compliance data |
| 03/19/2022 18:00 | 1.7 | 2.2 | 0.1 | 0.1 | 6.7 | NH3 Slip not compliance data |
| 03/19/2022 19:00 | 1.7 | 1.4 | 0.2 | 0.1 | 6.5 | NH3 Slip not compliance data |
| 03/29/2022 17:00 | 1.6 | 0.7 | 0.6 | 0.1 | 3.0 | |
| 03/29/2022 18:00 | 1.5 | 2.0 | 0.5 | 0.4 | 4.2 | |
| Final Average* | 1.5 | 1.7 | 0.2 | 0.2 | 4.3 | |
| Maximum* | 2.1 | 5.3 | 2.2 | 2.1 | 8.5 | NH3 Slip not compliance data |
| | 02/14/2022 | 02/23/2022 | 01/11/2022 | 02/23/2022 | 02/22/2022 | |
| | 18:00 | 17:00 | 15:00 | 17:00 | 20:00 | |
| Minimum* | 1.1 | 0.0 | 0.0 | 0.0 | 1.8 | |
| | 02/01/2022 | 02/14/2022 | 03/01/2022 | 03/01/2022 | 02/07/2022 | |
| | 13:00 | 18:00 | 20:00 | 20:00 | 8:00 | |

* Does not include Invalid Averaging Periods ("N/A")

Average Values Report
Generated: 4/1/2022 08:32

Company: NRG Carlsbad
Plant: 4600 Carlsbad Blvd
City/St: Carlsbad, CA 92008
Source: 7

Period Start: 1/1/2022 00:00
Period End: 3/31/2022 23:59
Validation Type: 1/60 min
Averaging Period: 1 hr
Type: Block Avg

| Period Start: | Average 7NOxCorOP1 ppm | Average 7NOX#OP1HR LBS | Average 7COCorOP1 ppm | Average 7CO#OP1HR LBS | Average 7NH3CorOP1 ppm |
|------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|
| 01/01/2022 17:00 | 1.6 | 1.6 | 0.6 | 0.3 | 1.1 |
| 01/01/2022 18:00 | 1.5 | 2.4 | 0.7 | 0.7 | 1.3 |
| 01/01/2022 19:00 | 1.5 | 1.8 | 1.0 | 0.8 | 1.1 |
| 01/01/2022 21:00 | 1.6 | 1.6 | 0.4 | 0.3 | 1.0 |
| 01/01/2022 22:00 | 1.5 | 2.3 | 0.5 | 0.6 | 1.1 |
| 01/01/2022 23:00 | 1.5 | 2.5 | 0.5 | 0.6 | 1.4 |
| 01/02/2022 00:00 | 1.4 | 0.5 | 0.8 | 0.2 | 1.1 |
| 01/02/2022 16:00 | 1.5 | 0.4 | 0.4 | 0.1 | 1.0 |
| 01/02/2022 17:00 | 1.5 | 1.9 | 0.4 | 0.3 | 1.3 |
| 01/02/2022 18:00 | 1.5 | 2.5 | 0.7 | 0.7 | 1.1 |
| 01/02/2022 19:00 | 1.5 | 2.5 | 0.6 | 0.7 | 1.4 |
| 01/02/2022 20:00 | 1.5 | 2.2 | 0.6 | 0.6 | 1.1 |
| 01/02/2022 21:00 | 1.5 | 2.6 | 0.7 | 0.8 | 1.3 |
| 01/02/2022 22:00 | 1.5 | 2.0 | 0.5 | 0.4 | 0.9 |
| 01/03/2022 06:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.1 |
| 01/03/2022 07:00 | 1.5 | 2.4 | 0.5 | 0.6 | 1.4 |
| 01/03/2022 08:00 | 1.5 | 1.9 | 0.4 | 0.3 | 1.1 |
| 01/03/2022 15:00 | 1.3 | 1.4 | 1.6 | 1.0 | 1.5 |
| 01/03/2022 16:00 | 1.5 | 3.0 | 0.9 | 1.2 | 1.2 |
| 01/03/2022 17:00 | 1.5 | 2.0 | 0.4 | 0.4 | 1.2 |
| 01/03/2022 18:00 | 1.5 | 2.5 | 0.6 | 0.7 | 1.4 |
| 01/03/2022 19:00 | 1.5 | 3.1 | 0.8 | 1.0 | 1.2 |
| 01/03/2022 20:00 | 1.5 | 2.8 | 0.8 | 1.3 | 1.5 |
| 01/03/2022 21:00 | 1.5 | 1.9 | 0.4 | 0.4 | 1.3 |
| 01/04/2022 17:00 | 1.5 | 1.5 | 0.5 | 0.3 | 1.2 |
| 01/04/2022 18:00 | 1.5 | 2.4 | 0.6 | 0.6 | 1.3 |
| 01/04/2022 19:00 | 1.5 | 2.0 | 0.5 | 0.4 | 1.2 |
| 01/05/2022 15:00 | 1.6 | 1.4 | 0.5 | 0.3 | 1.3 |
| 01/05/2022 16:00 | 1.5 | 3.3 | 1.1 | 1.7 | 1.5 |
| 01/05/2022 17:00 | 1.5 | 2.0 | 0.5 | 0.4 | 1.2 |
| 01/05/2022 18:00 | 1.5 | 2.6 | 0.7 | 0.8 | 1.3 |
| 01/05/2022 19:00 | 1.5 | 2.3 | 0.6 | 0.6 | 1.2 |
| 01/05/2022 20:00 | 1.4 | 0.0 | 0.6 | 0.0 | 2.6 |
| 01/06/2022 06:00 | 1.6 | 0.4 | 0.8 | 0.1 | 1.1 |
| 01/06/2022 07:00 | 1.5 | 1.3 | 1.1 | 0.6 | 1.3 |
| 01/06/2022 08:00 | 1.5 | 0.4 | 0.8 | 0.2 | 1.3 |
| 01/06/2022 17:00 | 1.5 | 2.3 | 0.8 | 0.8 | 1.3 |
| 01/06/2022 18:00 | 1.5 | 2.0 | 0.7 | 0.5 | 1.3 |
| 01/06/2022 19:00 | 1.5 | 2.3 | 0.8 | 0.7 | 1.4 |
| 01/06/2022 20:00 | 1.4 | 2.4 | 0.9 | 1.0 | 1.2 |
| 01/06/2022 21:00 | 1.5 | 1.9 | 0.7 | 0.5 | 1.3 |
| 01/07/2022 06:00 | 1.6 | 0.4 | 1.0 | 0.2 | 1.1 |
| 01/07/2022 07:00 | 1.5 | 0.9 | 1.0 | 0.4 | 1.4 |
| 01/07/2022 17:00 | 1.5 | 1.7 | 0.8 | 0.5 | 1.2 |
| 01/07/2022 19:00 | 1.4 | 0.5 | 0.7 | 0.2 | 1.5 |
| 01/07/2022 20:00 | 1.5 | 0.9 | 0.7 | 0.3 | 1.3 |
| 01/08/2022 16:00 | 1.4 | 0.2 | 0.7 | 0.1 | 1.0 |
| 01/08/2022 17:00 | 1.5 | 1.9 | 0.7 | 0.6 | 1.3 |
| 01/08/2022 18:00 | 1.5 | 2.4 | 0.8 | 0.9 | 1.4 |
| 01/08/2022 19:00 | 1.5 | 1.9 | 0.7 | 0.6 | 1.3 |
| 01/08/2022 21:00 | 1.5 | 0.6 | 1.0 | 0.3 | 1.3 |
| 01/09/2022 17:00 | 1.5 | 1.7 | 0.7 | 0.5 | 1.3 |
| 01/09/2022 18:00 | 1.5 | 2.7 | 1.2 | 1.7 | 1.4 |
| 01/09/2022 19:00 | 1.5 | 2.0 | 0.7 | 0.6 | 1.1 |
| 01/09/2022 20:00 | 1.5 | 2.5 | 0.9 | 0.9 | 1.3 |
| 01/09/2022 21:00 | 1.5 | 0.4 | 0.8 | 0.2 | 1.0 |
| 01/10/2022 07:00 | 1.5 | 1.3 | 0.8 | 0.5 | 1.3 |
| 01/10/2022 08:00 | 1.5 | 2.6 | 0.9 | 1.0 | 1.3 |
| 01/10/2022 09:00 | 1.5 | 0.9 | 0.8 | 0.3 | 1.3 |
| 01/10/2022 18:00 | 1.6 | 1.5 | 0.8 | 0.5 | 1.2 |
| 01/10/2022 19:00 | 1.5 | 2.7 | 1.0 | 1.2 | 1.4 |
| 01/10/2022 20:00 | 1.5 | 2.3 | 0.8 | 0.8 | 1.2 |
| 01/10/2022 21:00 | 1.5 | 2.3 | 0.9 | 0.9 | 1.2 |
| 01/10/2022 22:00 | 1.5 | 0.5 | 0.8 | 0.1 | 1.1 |
| 01/11/2022 07:00 | 1.6 | 1.5 | 0.8 | 0.5 | 1.3 |

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|------------------|-----|-----|-----|-----|-----|
| 01/11/2022 08:00 | 1.5 | 2.2 | 1.1 | 1.1 | 1.2 |
| 01/11/2022 09:00 | 1.5 | 3.4 | 1.4 | 2.0 | 1.1 |
| 01/11/2022 10:00 | 1.6 | 1.0 | 0.9 | 0.3 | 1.2 |
| 01/11/2022 19:00 | 1.6 | 0.4 | 0.8 | 0.1 | 1.2 |
| 01/11/2022 20:00 | 1.6 | 0.4 | 0.8 | 0.1 | 1.2 |
| 01/12/2022 06:00 | 1.6 | 0.4 | 0.8 | 0.1 | 1.1 |
| 01/12/2022 07:00 | 1.5 | 2.2 | 0.9 | 0.8 | 1.3 |
| 01/12/2022 08:00 | 1.5 | 2.9 | 1.1 | 1.4 | 1.5 |
| 01/12/2022 09:00 | 1.6 | 2.6 | 0.9 | 1.0 | 1.3 |
| 01/12/2022 10:00 | 1.4 | 3.1 | 1.2 | 1.8 | 1.2 |
| 01/12/2022 11:00 | 1.4 | 0.5 | 1.0 | 0.2 | 1.4 |
| 01/12/2022 17:00 | 1.5 | 0.7 | 0.9 | 0.2 | 1.1 |
| 01/12/2022 18:00 | 1.6 | 0.4 | 0.9 | 0.1 | 1.7 |
| 01/12/2022 19:00 | 1.5 | 2.1 | 0.9 | 0.9 | 1.7 |
| 01/12/2022 20:00 | 1.5 | 2.0 | 0.7 | 0.6 | 1.2 |
| 01/12/2022 21:00 | 1.5 | 0.5 | 0.8 | 0.1 | 1.2 |
| 01/13/2022 06:00 | 1.5 | 1.5 | 0.7 | 0.4 | 1.1 |
| 01/13/2022 07:00 | 1.5 | 2.0 | 0.7 | 0.5 | 1.6 |
| 01/13/2022 08:00 | 1.6 | 0.5 | 0.6 | 0.1 | 1.0 |
| 01/13/2022 16:00 | 1.6 | 0.2 | 0.6 | 0.1 | 1.2 |
| 01/13/2022 17:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.4 |
| 01/13/2022 18:00 | 1.5 | 2.7 | 0.8 | 1.0 | 1.5 |
| 01/13/2022 19:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.3 |
| 01/14/2022 06:00 | 1.6 | 1.4 | 0.7 | 0.4 | 1.2 |
| 01/14/2022 07:00 | 1.6 | 2.8 | 0.7 | 0.9 | 1.5 |
| 01/14/2022 08:00 | 1.5 | 2.0 | 0.7 | 0.6 | 1.3 |
| 01/14/2022 09:00 | 1.6 | 0.5 | 0.6 | 0.1 | 1.4 |
| 01/14/2022 15:00 | 1.6 | 1.3 | 1.0 | 0.5 | 1.6 |
| 01/14/2022 16:00 | 1.5 | 2.7 | 1.0 | 1.4 | 1.5 |
| 01/14/2022 17:00 | 1.6 | 2.0 | 0.5 | 0.4 | 1.3 |
| 01/14/2022 18:00 | 1.5 | 2.6 | 0.8 | 0.9 | 1.5 |
| 01/14/2022 19:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.3 |
| 01/15/2022 17:00 | 1.5 | 1.5 | 0.6 | 0.4 | 1.3 |
| 01/15/2022 18:00 | 1.3 | 2.1 | 0.7 | 0.7 | 1.6 |
| 01/15/2022 19:00 | 1.4 | 1.8 | 0.6 | 0.5 | 1.3 |
| 01/16/2022 17:00 | 1.6 | 1.6 | 0.6 | 0.4 | 1.4 |
| 01/16/2022 18:00 | 1.5 | 2.6 | 0.8 | 0.9 | 1.5 |
| 01/16/2022 19:00 | 1.6 | 1.9 | 0.6 | 0.5 | 1.4 |
| 01/16/2022 20:00 | 1.5 | 2.5 | 0.7 | 0.9 | 1.6 |
| 01/16/2022 21:00 | 1.5 | 2.0 | 0.6 | 0.5 | 1.5 |
| 01/16/2022 22:00 | 1.5 | 0.4 | 0.6 | 0.1 | 1.3 |
| 01/17/2022 17:00 | 1.5 | 1.5 | 0.6 | 0.4 | 1.4 |
| 01/17/2022 18:00 | 1.4 | 1.7 | 0.8 | 0.6 | 1.5 |
| 01/17/2022 19:00 | 1.3 | 1.6 | 0.8 | 0.6 | 1.3 |
| 01/17/2022 20:00 | 1.3 | 2.4 | 0.8 | 1.0 | 1.5 |
| 01/17/2022 21:00 | 1.3 | 1.8 | 0.7 | 0.6 | 1.7 |
| 01/17/2022 22:00 | 1.3 | 0.4 | 0.7 | 0.1 | 1.5 |
| 01/18/2022 16:00 | 1.2 | 0.1 | 0.7 | 0.0 | 1.3 |
| 01/18/2022 17:00 | 1.6 | 2.0 | 0.6 | 0.5 | 1.3 |
| 01/18/2022 18:00 | 1.5 | 2.5 | 0.8 | 0.8 | 1.6 |
| 01/18/2022 19:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.3 |
| 01/19/2022 06:00 | 1.6 | 1.4 | 0.7 | 0.4 | 1.4 |
| 01/19/2022 07:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.3 |
| 01/19/2022 08:00 | 1.5 | 0.4 | 0.7 | 0.1 | 1.2 |
| 01/19/2022 17:00 | 1.6 | 1.4 | 0.6 | 0.4 | 1.3 |
| 01/19/2022 18:00 | 1.5 | 2.4 | 0.7 | 0.7 | 1.5 |
| 01/19/2022 19:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.4 |
| 01/19/2022 21:00 | 1.5 | 1.3 | 0.6 | 0.4 | 1.4 |
| 01/20/2022 07:00 | 1.4 | 0.3 | 1.2 | 0.2 | 1.4 |
| 01/20/2022 08:00 | 1.5 | 1.9 | 1.0 | 0.8 | 1.3 |
| 01/20/2022 16:00 | 1.6 | 0.6 | 0.2 | 0.1 | 1.3 |
| 01/20/2022 17:00 | 1.5 | 1.9 | 0.2 | 0.2 | 1.3 |
| 01/20/2022 18:00 | 1.5 | 2.4 | 0.4 | 0.4 | 1.5 |
| 01/20/2022 19:00 | 1.5 | 3.0 | 0.5 | 0.8 | 1.8 |
| 01/20/2022 20:00 | 1.5 | 1.9 | 0.4 | 0.3 | 1.4 |
| 01/20/2022 21:00 | 1.5 | 0.4 | 0.3 | 0.1 | 1.3 |
| 01/21/2022 08:00 | 1.6 | 1.4 | 0.6 | 0.3 | 1.3 |
| 01/21/2022 17:00 | 1.6 | 1.4 | 0.3 | 0.2 | 1.4 |
| 01/21/2022 18:00 | 1.5 | 2.4 | 0.4 | 0.5 | 1.6 |
| 01/21/2022 19:00 | 1.5 | 1.8 | 0.4 | 0.3 | 1.4 |
| 01/22/2022 18:00 | 1.5 | 1.5 | 0.3 | 0.2 | 1.3 |
| 01/22/2022 20:00 | 1.5 | 1.3 | 0.4 | 0.2 | 1.3 |
| 01/23/2022 17:00 | 1.6 | 1.2 | 0.7 | 0.3 | 1.3 |
| 01/23/2022 18:00 | 1.5 | 2.4 | 0.5 | 0.5 | 1.5 |
| 01/23/2022 19:00 | 1.5 | 2.6 | 0.5 | 0.6 | 1.5 |
| 01/23/2022 20:00 | 1.5 | 2.0 | 0.4 | 0.4 | 1.2 |
| 01/23/2022 21:00 | 1.6 | 3.0 | 0.6 | 0.7 | 1.8 |

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|------------------|-----|-----|-----|-----|-----|
| 01/23/2022 22:00 | 1.0 | 0.3 | 0.5 | 0.1 | 2.0 |
| 01/24/2022 08:00 | 1.6 | 1.6 | 0.6 | 0.4 | 1.3 |
| 01/24/2022 09:00 | 1.5 | 0.4 | 0.5 | 0.1 | 1.8 |
| 01/24/2022 16:00 | 1.2 | 0.0 | 0.4 | 0.0 | 1.4 |
| 01/24/2022 17:00 | 1.5 | 1.9 | 0.4 | 0.3 | 1.5 |
| 01/24/2022 18:00 | 1.5 | 3.6 | 0.7 | 1.0 | 1.5 |
| 01/24/2022 19:00 | 1.6 | 2.6 | 0.5 | 0.6 | 1.7 |
| 01/24/2022 20:00 | 1.5 | 2.0 | 0.4 | 0.3 | 1.3 |
| 01/24/2022 21:00 | 1.5 | 0.5 | 0.4 | 0.1 | 1.2 |
| 01/25/2022 06:00 | 1.5 | 1.3 | 0.7 | 0.4 | 1.4 |
| 01/25/2022 07:00 | 1.5 | 2.5 | 0.8 | 0.9 | 1.7 |
| 01/25/2022 08:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.4 |
| 01/25/2022 09:00 | 1.5 | 0.5 | 0.5 | 0.1 | 1.4 |
| 01/25/2022 17:00 | 1.2 | 0.9 | 0.6 | 0.3 | 2.0 |
| 01/25/2022 18:00 | 1.2 | 2.0 | 0.5 | 0.6 | 2.1 |
| 01/25/2022 19:00 | 1.2 | 1.6 | 0.4 | 0.4 | 2.2 |
| 01/25/2022 20:00 | 1.2 | 2.2 | 0.6 | 0.7 | 2.3 |
| 01/25/2022 21:00 | 1.1 | 1.6 | 0.5 | 0.4 | 2.0 |
| 01/26/2022 06:00 | 1.6 | 1.4 | 0.7 | 0.4 | 1.3 |
| 01/26/2022 07:00 | 1.5 | 2.4 | 0.8 | 0.8 | 1.7 |
| 01/26/2022 08:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.4 |
| 01/26/2022 09:00 | 1.5 | 0.4 | 0.6 | 0.1 | 1.3 |
| 01/26/2022 15:00 | 1.6 | 0.4 | 0.4 | 0.1 | 1.4 |
| 01/26/2022 16:00 | 1.5 | 2.7 | 0.7 | 0.9 | 1.5 |
| 01/26/2022 17:00 | 1.5 | 2.0 | 0.4 | 0.3 | 1.2 |
| 01/26/2022 18:00 | 1.5 | 2.4 | 0.5 | 0.6 | 1.4 |
| 01/26/2022 19:00 | 1.5 | 2.0 | 0.5 | 0.4 | 1.4 |
| 01/27/2022 06:00 | 1.5 | 1.4 | 0.4 | 0.2 | 1.3 |
| 01/27/2022 07:00 | 1.5 | 2.8 | 0.5 | 0.7 | 1.6 |
| 01/27/2022 08:00 | 1.5 | 1.2 | 0.6 | 0.3 | 1.1 |
| 01/28/2022 09:00 | 1.6 | 0.9 | 1.4 | 0.5 | 2.0 |
| 01/28/2022 10:00 | 1.5 | 3.9 | 0.9 | 1.7 | 1.6 |
| 01/28/2022 11:00 | 1.1 | 0.4 | 0.4 | 0.1 | 1.9 |
| 01/28/2022 17:00 | 1.5 | 1.3 | 0.3 | 0.2 | 1.4 |
| 01/28/2022 19:00 | 1.5 | 1.3 | 0.3 | 0.2 | 1.3 |
| 01/29/2022 17:00 | 1.5 | 1.8 | 0.3 | 0.2 | 1.4 |
| 01/29/2022 18:00 | 1.5 | 0.1 | 0.2 | 0.0 | 1.4 |
| 01/29/2022 19:00 | 1.6 | 0.6 | 0.3 | 0.1 | 1.4 |
| 01/29/2022 20:00 | 1.5 | 1.3 | 0.3 | 0.2 | 1.5 |
| 01/30/2022 16:00 | 1.6 | 1.4 | 0.3 | 0.1 | 1.4 |
| 01/30/2022 17:00 | 1.5 | 2.7 | 0.5 | 0.6 | 1.7 |
| 01/30/2022 18:00 | 1.5 | 1.9 | 0.3 | 0.2 | 1.3 |
| 01/30/2022 20:00 | 1.5 | 1.3 | 0.3 | 0.1 | 1.4 |
| 01/31/2022 06:00 | 1.5 | 0.6 | 0.5 | 0.1 | 1.8 |
| 01/31/2022 07:00 | 1.5 | 2.6 | 0.4 | 0.5 | 2.6 |
| 01/31/2022 08:00 | 1.4 | 2.6 | 0.5 | 0.6 | 1.7 |
| 01/31/2022 09:00 | 1.5 | 0.5 | 0.3 | 0.1 | 1.4 |
| 01/31/2022 14:00 | 1.5 | 3.1 | 0.7 | 0.9 | 1.5 |
| 01/31/2022 15:00 | 1.5 | 3.1 | 0.5 | 0.7 | 1.6 |
| 01/31/2022 16:00 | 1.6 | 2.8 | 0.4 | 0.4 | 1.7 |
| 01/31/2022 17:00 | 1.4 | 2.1 | 0.3 | 0.3 | 2.0 |
| 01/31/2022 18:00 | 1.5 | 1.9 | 0.3 | 0.2 | 2.0 |
| 01/31/2022 19:00 | 1.5 | 2.4 | 0.4 | 0.4 | 2.0 |
| 01/31/2022 20:00 | 1.5 | 0.5 | 0.3 | 0.1 | 2.1 |
| 02/01/2022 06:00 | 1.4 | 1.3 | 0.3 | 0.2 | 1.4 |
| 02/01/2022 07:00 | 1.3 | 2.4 | 0.5 | 0.6 | 2.0 |
| 02/01/2022 08:00 | 1.3 | 2.6 | 0.5 | 0.8 | 2.0 |
| 02/01/2022 09:00 | 1.3 | 1.3 | 0.3 | 0.2 | 2.2 |
| 02/01/2022 13:00 | 1.1 | 0.3 | 0.3 | 0.1 | 1.2 |
| 02/01/2022 14:00 | 1.3 | 2.5 | 0.6 | 0.9 | 1.6 |
| 02/01/2022 15:00 | 1.1 | 1.0 | 0.4 | 0.2 | 1.6 |
| 02/01/2022 16:00 | 1.2 | 1.5 | 0.5 | 0.4 | 1.3 |
| 02/01/2022 17:00 | 1.6 | 2.4 | 0.4 | 0.4 | 1.5 |
| 02/01/2022 18:00 | 1.5 | 2.0 | 0.3 | 0.3 | 1.4 |
| 02/01/2022 19:00 | 1.5 | 2.2 | 0.5 | 0.4 | 1.3 |
| 02/01/2022 20:00 | 1.5 | 1.9 | 0.4 | 0.3 | 1.4 |
| 02/01/2022 21:00 | 1.5 | 2.4 | 0.5 | 0.5 | 1.4 |
| 02/01/2022 22:00 | 1.5 | 1.0 | 0.4 | 0.2 | 1.4 |
| 02/02/2022 08:00 | 1.5 | 1.5 | 0.4 | 0.2 | 1.1 |
| 02/02/2022 17:00 | 1.5 | 0.6 | 0.4 | 0.1 | 0.9 |
| 02/02/2022 18:00 | 1.5 | 1.8 | 0.4 | 0.3 | 1.0 |
| 02/02/2022 20:00 | 1.5 | 1.3 | 0.2 | 0.1 | 1.5 |
| 02/03/2022 06:00 | 1.3 | 1.2 | 0.5 | 0.3 | 1.6 |
| 02/03/2022 07:00 | 1.1 | 0.2 | 0.6 | 0.1 | 3.0 |
| 02/03/2022 17:00 | 1.5 | 0.3 | 0.7 | 0.1 | 1.5 |
| 02/03/2022 18:00 | 1.5 | 2.0 | 0.5 | 0.4 | 1.2 |
| 02/03/2022 19:00 | 1.5 | 2.0 | 0.7 | 0.7 | 1.4 |

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|------------------|-----|-----|-----|-----|-----|
| 02/03/2022 20:00 | 1.5 | 1.7 | 0.8 | 0.5 | 1.1 |
| 02/03/2022 21:00 | 1.5 | 2.4 | 0.7 | 0.8 | 1.2 |
| 02/03/2022 22:00 | 1.5 | 0.4 | 0.6 | 0.1 | 1.1 |
| 02/04/2022 06:00 | 1.5 | 2.4 | 1.2 | 1.2 | 1.0 |
| 02/04/2022 07:00 | 1.5 | 2.5 | 1.0 | 1.1 | 1.5 |
| 02/04/2022 08:00 | 1.5 | 2.0 | 0.7 | 0.6 | 1.2 |
| 02/04/2022 09:00 | 1.5 | 0.4 | 0.7 | 0.1 | 1.1 |
| 02/04/2022 18:00 | 1.5 | 1.5 | 0.6 | 0.4 | 1.1 |
| 02/04/2022 19:00 | 1.5 | 2.4 | 0.8 | 0.9 | 1.2 |
| 02/04/2022 20:00 | 1.5 | 1.9 | 0.6 | 0.5 | 0.8 |
| 02/04/2022 21:00 | 1.5 | 2.8 | 0.8 | 1.0 | 1.2 |
| 02/04/2022 22:00 | 1.5 | 2.2 | 0.8 | 0.7 | 1.3 |
| 02/05/2022 18:00 | 1.5 | 1.3 | 0.7 | 0.4 | 1.1 |
| 02/05/2022 20:00 | 1.5 | 1.4 | 0.7 | 0.4 | 1.0 |
| 02/06/2022 18:00 | 1.5 | 0.7 | 1.0 | 0.3 | 1.0 |
| 02/06/2022 20:00 | 1.5 | 1.3 | 0.7 | 0.4 | 1.0 |
| 02/07/2022 19:00 | 1.5 | 1.6 | 0.6 | 0.4 | 1.2 |
| 02/07/2022 22:00 | 1.5 | 1.5 | 0.6 | 0.4 | 1.6 |
| 02/08/2022 07:00 | 1.5 | 1.7 | 1.6 | 1.0 | 0.9 |
| 02/08/2022 08:00 | 1.5 | 4.4 | 1.3 | 2.3 | 0.9 |
| 02/08/2022 09:00 | 1.6 | 2.7 | 1.2 | 1.2 | 0.9 |
| 02/08/2022 12:00 | 1.5 | 2.8 | 1.1 | 1.3 | 0.8 |
| 02/08/2022 13:00 | 1.5 | 4.6 | 1.2 | 2.1 | 0.7 |
| 02/08/2022 14:00 | 1.5 | 4.6 | 1.2 | 2.1 | 0.9 |
| 02/08/2022 15:00 | 1.5 | 4.3 | 1.2 | 2.2 | 0.5 |
| 02/08/2022 16:00 | 1.5 | 4.7 | 1.2 | 2.1 | 0.9 |
| 02/08/2022 17:00 | 1.5 | 4.5 | 1.1 | 2.0 | 0.8 |
| 02/08/2022 18:00 | 1.5 | 4.7 | 1.1 | 2.0 | 0.8 |
| 02/08/2022 19:00 | 1.5 | 4.5 | 1.1 | 2.0 | 0.8 |
| 02/08/2022 20:00 | 1.5 | 3.0 | 0.9 | 1.1 | 1.2 |
| 02/08/2022 21:00 | 1.5 | 2.0 | 0.6 | 0.5 | 1.1 |
| 02/08/2022 22:00 | 1.5 | 2.7 | 0.8 | 0.9 | 0.9 |
| 02/08/2022 23:00 | 1.5 | 2.0 | 0.7 | 0.6 | 0.9 |
| 02/09/2022 16:00 | 1.5 | 1.3 | 0.8 | 0.4 | 0.5 |
| 02/09/2022 17:00 | 1.5 | 2.5 | 0.9 | 1.0 | 1.5 |
| 02/09/2022 18:00 | 1.5 | 1.9 | 0.7 | 0.6 | 1.4 |
| 02/09/2022 19:00 | 1.4 | 1.6 | 1.0 | 0.7 | 1.2 |
| 02/09/2022 20:00 | 1.5 | 1.9 | 0.6 | 0.5 | 1.4 |
| 02/09/2022 22:00 | 1.6 | 0.5 | 0.6 | 0.1 | 0.6 |
| 02/09/2022 23:00 | 1.5 | 0.9 | 0.5 | 0.2 | 1.1 |
| 02/10/2022 19:00 | 1.5 | 1.2 | 0.6 | 0.3 | 0.7 |
| 02/10/2022 20:00 | 1.6 | 1.3 | 0.9 | 0.5 | 1.3 |
| 02/11/2022 18:00 | 1.6 | 1.6 | 0.7 | 0.5 | 1.3 |
| 02/11/2022 19:00 | 1.5 | 3.2 | 1.0 | 1.3 | 1.3 |
| 02/11/2022 20:00 | 1.5 | 1.8 | 0.7 | 0.6 | 1.3 |
| 02/11/2022 21:00 | 1.5 | 2.6 | 0.9 | 1.0 | 1.4 |
| 02/11/2022 22:00 | 1.5 | 1.8 | 0.7 | 0.5 | 1.1 |
| 02/12/2022 16:00 | 1.5 | 1.8 | 0.8 | 0.6 | 1.4 |
| 02/12/2022 17:00 | 1.5 | 2.3 | 0.9 | 0.9 | 1.4 |
| 02/12/2022 18:00 | 1.5 | 1.9 | 0.8 | 0.6 | 1.3 |
| 02/12/2022 19:00 | 1.5 | 2.6 | 0.9 | 1.0 | 1.3 |
| 02/12/2022 20:00 | 1.6 | 2.0 | 0.8 | 0.6 | 1.2 |
| 02/12/2022 21:00 | 1.5 | 2.0 | 1.0 | 0.9 | 1.5 |
| 02/12/2022 22:00 | 1.5 | 2.3 | 1.0 | 1.0 | 1.3 |
| 02/12/2022 23:00 | 1.5 | 0.9 | 0.7 | 0.3 | 1.0 |
| 02/13/2022 18:00 | 1.6 | 1.6 | 0.8 | 0.5 | 1.3 |
| 02/13/2022 19:00 | 1.5 | 2.6 | 0.9 | 1.1 | 1.2 |
| 02/13/2022 20:00 | 1.6 | 1.9 | 0.8 | 0.6 | 1.3 |
| 02/13/2022 22:00 | 1.3 | 0.5 | 0.7 | 0.2 | 1.1 |
| 02/13/2022 23:00 | 1.5 | 1.0 | 0.7 | 0.3 | 1.0 |
| 02/14/2022 15:00 | 1.5 | 1.8 | 0.4 | 0.4 | 1.2 |
| 02/14/2022 16:00 | 1.5 | 3.0 | 0.5 | 0.8 | 1.4 |
| 02/14/2022 17:00 | 1.5 | 1.9 | 0.1 | 0.1 | 1.2 |
| 02/14/2022 18:00 | 1.5 | 2.4 | 0.3 | 0.4 | 1.3 |
| 02/14/2022 19:00 | 1.5 | 1.9 | 0.1 | 0.1 | 1.2 |
| 02/14/2022 20:00 | 1.5 | 2.4 | 0.2 | 0.3 | 1.3 |
| 02/14/2022 21:00 | 1.5 | 1.9 | 0.1 | 0.1 | 1.2 |
| 02/16/2022 18:00 | 1.5 | 1.4 | 0.2 | 0.1 | 0.9 |
| 02/16/2022 19:00 | 1.5 | 1.5 | 0.5 | 0.3 | 1.4 |
| 02/16/2022 20:00 | 1.5 | 1.8 | 0.3 | 0.2 | 1.3 |
| 02/16/2022 21:00 | 1.5 | 2.7 | 0.5 | 0.7 | 1.3 |
| 02/16/2022 22:00 | 1.5 | 2.0 | 0.3 | 0.3 | 1.0 |
| 02/17/2022 17:00 | 1.5 | 0.4 | 0.3 | 0.0 | 0.4 |
| 02/17/2022 18:00 | 1.5 | 1.9 | 0.3 | 0.2 | 0.9 |
| 02/17/2022 19:00 | 1.5 | 2.4 | 0.3 | 0.4 | 1.3 |
| 02/17/2022 20:00 | 1.5 | 1.9 | 0.2 | 0.2 | 1.2 |
| 02/17/2022 21:00 | 1.5 | 2.4 | 0.4 | 0.5 | 1.4 |

| | | | | | |
|------------------|-----|-----|-----|-----|-----|
| 02/17/2022 22:00 | 1.5 | 1.9 | 0.4 | 0.3 | 0.9 |
| 02/18/2022 17:00 | 1.5 | 1.4 | 0.1 | 0.1 | 0.5 |
| 02/18/2022 18:00 | 1.5 | 2.4 | 0.3 | 0.4 | 0.6 |
| 02/18/2022 19:00 | 1.5 | 2.5 | 0.4 | 0.7 | 0.7 |
| 02/18/2022 20:00 | 1.5 | 2.0 | 0.1 | 0.1 | 0.3 |
| 02/18/2022 21:00 | 1.5 | 0.4 | 0.1 | 0.0 | 0.1 |
| 02/19/2022 16:00 | 1.3 | 1.8 | 0.6 | 0.8 | 0.6 |
| 02/19/2022 17:00 | 1.4 | 1.5 | 0.3 | 0.2 | 0.2 |
| 02/19/2022 18:00 | 1.5 | 1.9 | 0.1 | 0.1 | 0.2 |
| 02/19/2022 19:00 | 1.5 | 1.8 | 0.1 | 0.1 | 0.3 |
| 02/19/2022 20:00 | 1.5 | 1.3 | 0.1 | 0.0 | 0.1 |
| 02/20/2022 16:00 | 1.6 | 0.4 | 0.1 | 0.0 | 0.0 |
| 02/20/2022 17:00 | 1.5 | 0.9 | 0.1 | 0.0 | 0.0 |
| 02/21/2022 16:00 | 1.5 | 2.5 | 0.3 | 0.4 | 0.0 |
| 02/21/2022 17:00 | 1.5 | 1.9 | 0.1 | 0.1 | 0.0 |
| 02/21/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.1 | 0.0 |
| 02/21/2022 19:00 | 1.5 | 1.9 | 0.1 | 0.1 | 0.0 |
| 02/21/2022 20:00 | 1.4 | 0.5 | 0.4 | 0.1 | 0.4 |
| 02/22/2022 06:00 | 1.6 | 1.5 | 0.2 | 0.1 | 0.0 |
| 02/22/2022 07:00 | 1.5 | 1.9 | 0.9 | 0.8 | 0.9 |
| 02/22/2022 15:00 | 1.5 | 1.4 | 0.4 | 0.2 | 0.4 |
| 02/22/2022 16:00 | 1.5 | 2.4 | 0.2 | 0.2 | 0.4 |
| 02/22/2022 17:00 | 1.4 | 1.8 | 0.1 | 0.1 | 0.0 |
| 02/22/2022 18:00 | 1.3 | 1.8 | 0.1 | 0.1 | 0.1 |
| 02/22/2022 19:00 | 1.3 | 1.2 | 0.1 | 0.1 | 0.1 |
| 02/22/2022 20:00 | 1.3 | 1.7 | 0.3 | 0.2 | 0.0 |
| 02/22/2022 21:00 | 1.2 | 1.2 | 0.4 | 0.3 | 1.0 |
| 02/23/2022 06:00 | 1.3 | 2.9 | 0.9 | 1.3 | 0.2 |
| 02/23/2022 07:00 | 1.5 | 4.6 | 0.8 | 1.6 | 0.3 |
| 02/23/2022 08:00 | 1.4 | 0.4 | 0.2 | 0.0 | 0.0 |
| 02/23/2022 17:00 | 1.4 | 4.9 | 1.1 | 2.2 | 0.7 |
| 02/23/2022 18:00 | 1.5 | 2.2 | 0.2 | 0.2 | 0.0 |
| 02/23/2022 19:00 | 1.4 | 4.9 | 1.1 | 2.4 | 0.9 |
| 02/23/2022 20:00 | 1.5 | 5.3 | 1.0 | 2.1 | 0.7 |
| 02/23/2022 21:00 | 1.4 | 3.8 | 1.0 | 1.6 | 0.5 |
| 02/24/2022 06:00 | 1.4 | 3.1 | 0.9 | 1.3 | 0.4 |
| 02/24/2022 07:00 | 1.6 | 1.7 | 0.5 | 0.4 | 0.0 |
| 02/24/2022 17:00 | 1.3 | 2.4 | 0.7 | 0.8 | 0.3 |
| 02/24/2022 18:00 | 1.3 | 1.8 | 0.1 | 0.1 | 0.0 |
| 02/24/2022 19:00 | 1.3 | 3.7 | 0.9 | 1.7 | 0.5 |
| 02/24/2022 20:00 | 1.2 | 0.4 | 0.1 | 0.0 | 0.0 |
| 02/25/2022 06:00 | 1.5 | 0.6 | 0.3 | 0.1 | 0.0 |
| 02/25/2022 16:00 | 1.5 | 2.4 | 0.4 | 0.5 | 0.0 |
| 02/25/2022 17:00 | 1.5 | 1.9 | 0.2 | 0.2 | 0.0 |
| 02/25/2022 18:00 | 1.5 | 1.9 | 0.3 | 0.2 | 0.0 |
| 02/25/2022 19:00 | 1.5 | 1.9 | 0.3 | 0.2 | 0.0 |
| 02/25/2022 20:00 | 1.5 | 1.8 | 0.3 | 0.2 | 0.0 |
| 02/26/2022 17:00 | 1.5 | 2.3 | 0.4 | 0.5 | 0.0 |
| 02/26/2022 18:00 | 1.5 | 2.0 | 0.2 | 0.2 | 0.0 |
| 02/26/2022 19:00 | 1.5 | 2.2 | 0.3 | 0.3 | 0.0 |
| 02/26/2022 20:00 | 1.5 | 1.4 | 0.3 | 0.2 | 0.0 |
| 02/27/2022 17:00 | 1.5 | 1.9 | 0.2 | 0.2 | 0.0 |
| 02/27/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.2 | 0.0 |
| 02/27/2022 19:00 | 1.5 | 1.9 | 0.2 | 0.2 | 0.0 |
| 02/28/2022 06:00 | 1.6 | 0.7 | 0.5 | 0.1 | 0.6 |
| 02/28/2022 17:00 | 1.6 | 1.9 | 0.3 | 0.2 | 0.0 |
| 02/28/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.2 | 0.0 |
| 02/28/2022 19:00 | 1.5 | 1.9 | 0.2 | 0.2 | 0.0 |
| 02/28/2022 20:00 | 1.5 | 1.8 | 0.2 | 0.2 | 0.0 |
| 03/01/2022 06:00 | 1.3 | 1.2 | 0.4 | 0.2 | 0.9 |
| 03/01/2022 07:00 | 1.2 | 1.5 | 0.4 | 0.3 | 1.2 |
| 03/01/2022 08:00 | 1.2 | 0.7 | 0.4 | 0.2 | 1.5 |
| 03/01/2022 10:00 | 1.3 | 2.4 | 0.5 | 0.7 | 1.6 |
| 03/01/2022 11:00 | 1.1 | 0.3 | 0.4 | 0.1 | 1.7 |
| 03/01/2022 17:00 | 1.5 | 1.4 | 0.3 | 0.2 | 1.3 |
| 03/01/2022 18:00 | 1.5 | 1.9 | 0.3 | 0.2 | 1.2 |
| 03/01/2022 19:00 | 1.5 | 1.9 | 0.3 | 0.2 | 1.2 |
| 03/01/2022 20:00 | 1.5 | 1.1 | 0.4 | 0.2 | 1.2 |
| 03/04/2022 08:00 | 1.4 | 3.2 | 1.2 | 1.7 | 1.3 |
| 03/04/2022 09:00 | 1.7 | 1.1 | 0.4 | 0.1 | 1.1 |
| 03/04/2022 12:00 | 1.4 | 2.6 | 0.7 | 0.9 | 1.7 |
| 03/07/2022 17:00 | 1.8 | 1.1 | 1.3 | 0.6 | 1.7 |
| 03/07/2022 18:00 | 1.4 | 2.4 | 0.4 | 0.5 | 1.1 |
| 03/07/2022 19:00 | 1.6 | 1.3 | 0.3 | 0.2 | 1.4 |
| 03/14/2022 07:00 | 1.5 | 0.7 | 0.8 | 0.2 | 1.3 |
| 03/14/2022 08:00 | 1.5 | 3.0 | 0.7 | 0.9 | 1.4 |
| 03/14/2022 09:00 | 1.5 | 1.7 | 0.6 | 0.4 | 1.3 |

| | | | | | |
|-----------------------|------------------|------------------|------------------|------------------|-----------------|
| 03/14/2022 18:00 | 1.5 | 2.3 | 0.7 | 0.6 | 1.2 |
| 03/14/2022 19:00 | 1.6 | 0.5 | 0.4 | 0.1 | 0.9 |
| 03/19/2022 07:00 | 0.9 | 0.2 | 1.2 | 0.2 | 0.8 |
| 03/19/2022 08:00 | 1.4 | 2.8 | 0.8 | 1.0 | 0.6 |
| 03/19/2022 09:00 | 1.4 | 1.9 | 0.8 | 0.7 | 0.4 |
| 03/19/2022 10:00 | 1.4 | 1.8 | 0.7 | 0.5 | 0.8 |
| 03/19/2022 11:00 | 1.4 | 1.9 | 0.5 | 0.4 | 0.9 |
| 03/19/2022 12:00 | 1.4 | 1.9 | 0.5 | 0.4 | 0.9 |
| 03/19/2022 13:00 | 1.4 | 1.9 | 0.5 | 0.4 | 0.9 |
| 03/19/2022 14:00 | 1.4 | 1.9 | 0.5 | 0.4 | 0.9 |
| 03/19/2022 15:00 | 1.5 | 1.9 | 0.5 | 0.4 | 0.9 |
| 03/19/2022 16:00 | 1.5 | 2.0 | 0.4 | 0.4 | 0.9 |
| 03/19/2022 17:00 | 1.5 | 2.0 | 0.4 | 0.4 | 1.0 |
| 03/19/2022 18:00 | 1.5 | 2.0 | 0.4 | 0.4 | 0.9 |
| 03/19/2022 19:00 | 1.6 | 2.8 | 0.7 | 1.0 | 1.0 |
| 03/19/2022 20:00 | 1.1 | 0.8 | 1.8 | 0.9 | 1.6 |
| 03/29/2022 15:00 | 1.6 | 2.2 | 0.7 | 0.7 | 0.4 |
| 03/29/2022 16:00 | 1.4 | 0.4 | 0.8 | 0.1 | 0.5 |
| 03/29/2022 17:00 | 1.6 | 0.7 | 0.7 | 0.2 | 0.2 |
| 03/29/2022 18:00 | 1.5 | 1.9 | 0.7 | 0.5 | 0.8 |
| Final Average* | 1.5 | 1.8 | 0.6 | 0.5 | 1.1 |
| Maximum* | 1.8 | 5.3 | 1.8 | 2.4 | 3.0 |
| | 03/07/2022 17:00 | 02/23/2022 20:00 | 03/19/2022 20:00 | 02/23/2022 19:00 | 02/03/2022 7:00 |
| Minimum* | 0.9 | 0.0 | 0.1 | 0.0 | 0.0 |
| | 03/19/2022 7:00 | 01/24/2022 16:00 | 02/24/2022 20:00 | 02/24/2022 20:00 | 02/23/2022 8:00 |

* Does not include Invalid Averaging Periods ("N/A")

Average Values Report
Generated: 4/1/2022 08:32

Company: NRG Carlsbad
Plant: 4600 Carlsbad Blvd
City/St: Carlsbad, CA 92008
Source: 8

Period Start: 1/1/2022 00:00
Period End: 3/31/2022 23:59
Validation Type: 1/60 min
Averaging Period: 1 hr
Type: Block Avg

| Period Start: | Average 8NOxCorOP1 ppm | Average 8NOX#OP1HR LBS | Average 8COCorOP1 ppm | Average 8CO#OP1HR LBS | Average 8NH3CorOP1 ppm |
|------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|
| 01/01/2022 17:00 | 1.2 | 1.3 | 0.6 | 0.4 | 1.8 |
| 01/01/2022 18:00 | 1.3 | 2.2 | 0.6 | 0.6 | 2.0 |
| 01/01/2022 19:00 | 1.3 | 1.7 | 0.9 | 0.7 | 2.2 |
| 01/01/2022 21:00 | 1.3 | 1.4 | 0.5 | 0.3 | 2.1 |
| 01/01/2022 22:00 | 1.4 | 2.3 | 0.6 | 0.6 | 2.2 |
| 01/01/2022 23:00 | 1.3 | 2.3 | 0.6 | 0.7 | 2.0 |
| 01/02/2022 00:00 | 1.4 | 0.5 | 0.8 | 0.2 | 1.8 |
| 01/02/2022 16:00 | 1.2 | 0.3 | 0.5 | 0.1 | 1.6 |
| 01/02/2022 17:00 | 1.3 | 1.8 | 0.5 | 0.4 | 1.7 |
| 01/02/2022 18:00 | 1.2 | 2.2 | 0.7 | 0.7 | 1.8 |
| 01/02/2022 19:00 | 1.3 | 2.5 | 0.6 | 0.7 | 2.3 |
| 01/02/2022 20:00 | 1.1 | 1.7 | 0.6 | 0.6 | 2.4 |
| 01/02/2022 21:00 | 1.3 | 2.3 | 0.7 | 0.8 | 2.3 |
| 01/02/2022 22:00 | 1.4 | 1.9 | 0.7 | 0.5 | 2.1 |
| 01/03/2022 06:00 | 1.5 | 1.9 | 0.7 | 0.6 | 1.7 |
| 01/03/2022 07:00 | 1.5 | 2.4 | 0.6 | 0.7 | 2.0 |
| 01/03/2022 08:00 | 1.4 | 1.8 | 0.6 | 0.5 | 2.1 |
| 01/03/2022 16:00 | 1.3 | 1.2 | 0.7 | 0.4 | 1.8 |
| 01/03/2022 17:00 | 1.3 | 1.2 | 0.7 | 0.4 | 2.1 |
| 01/03/2022 18:00 | 1.3 | 1.4 | 0.6 | 0.4 | 2.1 |
| 01/03/2022 20:00 | 1.4 | 0.3 | 0.5 | 0.1 | 1.7 |
| 01/03/2022 21:00 | 1.3 | 1.8 | 0.5 | 0.4 | 2.5 |
| 01/04/2022 15:00 | 1.5 | 2.0 | 0.7 | 0.6 | 1.9 |
| 01/04/2022 16:00 | 1.4 | 2.5 | 0.6 | 0.7 | 2.0 |
| 01/04/2022 17:00 | 1.4 | 2.0 | 0.5 | 0.4 | 1.6 |
| 01/04/2022 18:00 | 1.3 | 2.3 | 0.6 | 0.6 | 1.9 |
| 01/04/2022 19:00 | 1.4 | 1.9 | 0.4 | 0.3 | 2.1 |
| 01/05/2022 15:00 | 1.4 | 1.3 | 0.5 | 0.3 | 1.6 |
| 01/05/2022 16:00 | 1.5 | 3.4 | 1.0 | 1.5 | 1.9 |
| 01/05/2022 17:00 | 1.4 | 1.9 | 0.5 | 0.4 | 2.0 |
| 01/05/2022 18:00 | 1.4 | 2.6 | 0.7 | 0.7 | 2.0 |
| 01/05/2022 19:00 | 1.4 | 2.2 | 0.6 | 0.6 | 2.0 |
| 01/05/2022 20:00 | 1.4 | 2.5 | 0.5 | 0.5 | 1.9 |
| 01/05/2022 21:00 | 1.4 | 0.4 | 0.3 | 0.1 | 1.8 |
| 01/06/2022 06:00 | 1.3 | 0.1 | 0.3 | 0.0 | 1.3 |
| 01/06/2022 07:00 | 1.5 | 1.5 | 0.5 | 0.3 | 2.2 |
| 01/06/2022 08:00 | 1.4 | 0.4 | 0.4 | 0.1 | 1.5 |
| 01/06/2022 15:00 | 1.5 | 2.3 | 0.7 | 0.7 | 1.9 |
| 01/06/2022 16:00 | 1.3 | 2.3 | 0.6 | 0.7 | 2.5 |
| 01/06/2022 17:00 | 1.3 | 2.7 | 0.7 | 0.9 | 1.8 |
| 01/06/2022 18:00 | 1.4 | 1.9 | 0.5 | 0.4 | 2.1 |
| 01/06/2022 19:00 | 1.5 | 2.3 | 0.5 | 0.5 | 2.2 |
| 01/06/2022 20:00 | 1.3 | 2.3 | 0.5 | 0.5 | 2.3 |
| 01/06/2022 21:00 | 1.3 | 1.8 | 0.3 | 0.2 | 2.7 |
| 01/07/2022 06:00 | 1.4 | 0.4 | 0.4 | 0.1 | 1.5 |
| 01/07/2022 07:00 | 1.4 | 0.9 | 0.4 | 0.1 | 1.6 |
| 01/07/2022 15:00 | 1.4 | 1.9 | 0.6 | 0.5 | 2.0 |
| 01/07/2022 16:00 | 1.4 | 2.4 | 0.6 | 0.6 | 2.0 |
| 01/07/2022 17:00 | 1.3 | 1.8 | 0.5 | 0.4 | 2.6 |
| 01/07/2022 18:00 | 1.4 | 2.7 | 0.6 | 0.8 | 1.9 |
| 01/07/2022 19:00 | 1.3 | 2.6 | 0.7 | 0.8 | 2.7 |
| 01/07/2022 20:00 | 1.3 | 2.0 | 0.6 | 0.5 | 2.6 |
| 01/07/2022 21:00 | 1.3 | 1.0 | 0.7 | 0.3 | 2.7 |
| 01/08/2022 15:00 | 1.5 | 2.0 | 0.7 | 0.6 | 1.9 |
| 01/08/2022 16:00 | 1.1 | 1.8 | 0.6 | 0.6 | 2.6 |
| 01/08/2022 17:00 | 1.1 | 1.4 | 0.5 | 0.4 | 2.7 |
| 01/08/2022 18:00 | 1.2 | 2.1 | 0.6 | 0.6 | 2.4 |
| 01/08/2022 19:00 | 1.4 | 1.8 | 0.5 | 0.4 | 2.1 |
| 01/08/2022 21:00 | 1.4 | 1.3 | 0.3 | 0.2 | 1.7 |
| 01/09/2022 15:00 | 1.2 | 1.4 | 0.6 | 0.5 | 2.5 |
| 01/09/2022 16:00 | 0.9 | 1.6 | 0.6 | 0.6 | 3.3 |
| 01/09/2022 17:00 | 1.3 | 1.7 | 0.5 | 0.4 | 2.6 |
| 01/09/2022 18:00 | 1.3 | 2.5 | 0.9 | 1.5 | 2.4 |
| 01/09/2022 19:00 | 1.3 | 1.8 | 0.5 | 0.4 | 2.4 |
| 01/09/2022 20:00 | 1.3 | 2.3 | 0.5 | 0.5 | 2.4 |

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|------------------|-----|-----|-----|-----|-----|
| 01/09/2022 21:00 | 1.3 | 2.3 | 0.5 | 0.5 | 2.4 |
| 01/09/2022 22:00 | 1.3 | 0.9 | 0.4 | 0.1 | 2.2 |
| 01/10/2022 06:00 | 1.4 | 1.0 | 0.5 | 0.2 | 2.2 |
| 01/10/2022 07:00 | 1.3 | 2.1 | 0.6 | 0.6 | 2.5 |
| 01/10/2022 08:00 | 1.4 | 2.6 | 0.6 | 0.7 | 2.0 |
| 01/10/2022 09:00 | 1.2 | 0.8 | 0.5 | 0.2 | 2.4 |
| 01/10/2022 15:00 | 1.3 | 2.2 | 0.9 | 1.1 | 2.1 |
| 01/10/2022 16:00 | 1.2 | 1.7 | 0.4 | 0.3 | 2.6 |
| 01/10/2022 17:00 | 1.3 | 2.7 | 0.6 | 0.8 | 2.3 |
| 01/10/2022 18:00 | 1.3 | 1.8 | 0.4 | 0.4 | 2.3 |
| 01/10/2022 19:00 | 1.4 | 2.7 | 0.5 | 0.7 | 2.3 |
| 01/10/2022 20:00 | 1.4 | 2.2 | 0.5 | 0.5 | 2.3 |
| 01/10/2022 21:00 | 1.4 | 2.3 | 0.6 | 0.7 | 2.3 |
| 01/10/2022 22:00 | 1.4 | 2.5 | 0.6 | 0.6 | 2.3 |
| 01/10/2022 23:00 | 1.3 | 0.9 | 0.5 | 0.2 | 2.3 |
| 01/11/2022 07:00 | 1.6 | 1.5 | 0.5 | 0.3 | 1.6 |
| 01/11/2022 08:00 | 1.4 | 2.8 | 0.7 | 0.9 | 1.7 |
| 01/11/2022 09:00 | 1.5 | 3.9 | 0.8 | 1.4 | 1.7 |
| 01/11/2022 10:00 | 1.5 | 2.6 | 0.7 | 0.7 | 2.0 |
| 01/11/2022 11:00 | 1.5 | 2.1 | 0.6 | 0.5 | 2.3 |
| 01/11/2022 15:00 | 1.2 | 0.7 | 2.3 | 0.9 | 2.4 |
| 01/11/2022 16:00 | 1.1 | 0.3 | 0.5 | 0.1 | 3.0 |
| 01/11/2022 17:00 | 1.6 | 2.1 | 0.5 | 0.5 | 2.5 |
| 01/11/2022 18:00 | 1.4 | 2.0 | 0.5 | 0.4 | 2.4 |
| 01/11/2022 19:00 | 1.5 | 2.8 | 0.6 | 0.7 | 2.4 |
| 01/11/2022 20:00 | 1.5 | 2.0 | 0.5 | 0.4 | 2.6 |
| 01/12/2022 06:00 | 1.6 | 0.4 | 0.6 | 0.1 | 1.9 |
| 01/12/2022 07:00 | 1.5 | 2.2 | 0.6 | 0.6 | 2.2 |
| 01/12/2022 08:00 | 1.4 | 2.9 | 0.8 | 1.0 | 2.2 |
| 01/12/2022 09:00 | 1.6 | 2.8 | 0.6 | 0.7 | 2.1 |
| 01/12/2022 10:00 | 1.4 | 3.1 | 0.9 | 1.3 | 2.0 |
| 01/12/2022 11:00 | 1.5 | 3.3 | 0.9 | 1.2 | 2.1 |
| 01/12/2022 12:00 | 1.4 | 4.4 | 0.9 | 1.8 | 1.6 |
| 01/12/2022 13:00 | 1.6 | 3.7 | 0.8 | 1.2 | 1.7 |
| 01/12/2022 14:00 | 1.5 | 4.2 | 1.0 | 1.9 | 1.7 |
| 01/12/2022 15:00 | 1.5 | 3.4 | 0.9 | 1.3 | 2.0 |
| 01/12/2022 16:00 | 1.5 | 2.4 | 0.7 | 0.7 | 2.3 |
| 01/12/2022 17:00 | 1.4 | 1.8 | 0.5 | 0.4 | 2.5 |
| 01/12/2022 20:00 | 1.5 | 1.2 | 0.7 | 0.4 | 2.5 |
| 01/12/2022 21:00 | 1.5 | 0.5 | 0.6 | 0.1 | 2.5 |
| 01/13/2022 06:00 | 1.5 | 1.5 | 0.6 | 0.4 | 2.2 |
| 01/13/2022 07:00 | 1.5 | 2.0 | 0.6 | 0.5 | 2.1 |
| 01/13/2022 08:00 | 1.5 | 0.5 | 0.6 | 0.1 | 2.2 |
| 01/13/2022 15:00 | 1.5 | 2.1 | 0.7 | 0.6 | 2.4 |
| 01/13/2022 16:00 | 1.5 | 2.5 | 0.6 | 0.6 | 2.2 |
| 01/13/2022 17:00 | 1.5 | 2.0 | 0.5 | 0.4 | 2.3 |
| 01/13/2022 18:00 | 1.5 | 2.7 | 0.7 | 0.9 | 2.5 |
| 01/13/2022 19:00 | 1.5 | 2.0 | 0.5 | 0.4 | 2.6 |
| 01/14/2022 06:00 | 1.5 | 1.5 | 0.6 | 0.3 | 2.1 |
| 01/14/2022 07:00 | 1.6 | 3.0 | 0.7 | 0.7 | 2.1 |
| 01/14/2022 08:00 | 1.4 | 1.9 | 0.6 | 0.6 | 2.3 |
| 01/14/2022 09:00 | 1.4 | 0.5 | 0.6 | 0.1 | 1.7 |
| 01/14/2022 17:00 | 1.5 | 1.7 | 0.5 | 0.3 | 1.7 |
| 01/14/2022 18:00 | 1.5 | 1.8 | 0.7 | 0.5 | 2.3 |
| 01/14/2022 19:00 | 1.5 | 1.9 | 0.6 | 0.5 | 2.3 |
| 01/15/2022 15:00 | 1.5 | 1.5 | 0.6 | 0.3 | 1.7 |
| 01/15/2022 16:00 | 1.5 | 2.7 | 0.7 | 0.8 | 2.0 |
| 01/15/2022 17:00 | 1.4 | 1.9 | 0.6 | 0.4 | 2.6 |
| 01/15/2022 18:00 | 1.3 | 2.2 | 0.6 | 0.6 | 2.7 |
| 01/15/2022 19:00 | 1.3 | 1.8 | 0.6 | 0.4 | 2.7 |
| 01/15/2022 20:00 | 1.3 | 2.6 | 0.7 | 0.8 | 2.6 |
| 01/15/2022 21:00 | 1.2 | 0.4 | 0.6 | 0.1 | 2.8 |
| 01/16/2022 15:00 | 1.5 | 1.4 | 0.6 | 0.3 | 1.8 |
| 01/16/2022 16:00 | 1.5 | 2.7 | 0.7 | 0.8 | 2.1 |
| 01/16/2022 17:00 | 1.5 | 2.0 | 0.5 | 0.4 | 2.4 |
| 01/16/2022 18:00 | 1.5 | 2.6 | 0.7 | 0.7 | 2.2 |
| 01/16/2022 19:00 | 1.5 | 2.0 | 0.5 | 0.4 | 2.6 |
| 01/16/2022 20:00 | 1.5 | 2.7 | 0.7 | 0.8 | 2.4 |
| 01/16/2022 21:00 | 1.4 | 2.0 | 0.5 | 0.4 | 2.6 |
| 01/16/2022 22:00 | 1.4 | 0.5 | 0.5 | 0.1 | 2.7 |
| 01/17/2022 15:00 | 1.2 | 0.6 | 0.7 | 0.2 | 2.9 |
| 01/17/2022 16:00 | 1.3 | 2.3 | 0.8 | 0.8 | 2.7 |
| 01/17/2022 17:00 | 1.3 | 1.8 | 0.5 | 0.4 | 2.7 |
| 01/17/2022 18:00 | 1.2 | 2.2 | 0.6 | 0.6 | 2.7 |
| 01/17/2022 19:00 | 1.2 | 1.8 | 0.5 | 0.4 | 2.7 |
| 01/17/2022 20:00 | 1.3 | 2.5 | 0.7 | 0.8 | 2.7 |
| 01/17/2022 21:00 | 1.2 | 1.7 | 0.5 | 0.4 | 2.8 |

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|------------------|-----|-----|-----|-----|-----|
| 01/17/2022 22:00 | 1.2 | 0.4 | 0.5 | 0.1 | 2.6 |
| 01/18/2022 15:00 | 1.4 | 1.4 | 0.5 | 0.3 | 2.2 |
| 01/18/2022 16:00 | 1.4 | 2.5 | 0.6 | 0.8 | 2.6 |
| 01/18/2022 17:00 | 1.4 | 1.9 | 0.5 | 0.4 | 2.7 |
| 01/18/2022 18:00 | 1.4 | 2.4 | 0.6 | 0.6 | 2.4 |
| 01/18/2022 19:00 | 1.4 | 1.9 | 0.5 | 0.4 | 2.7 |
| 01/18/2022 20:00 | 1.4 | 2.7 | 0.6 | 0.7 | 2.4 |
| 01/18/2022 21:00 | 1.4 | 0.5 | 0.5 | 0.1 | 2.5 |
| 01/19/2022 06:00 | 1.1 | 1.0 | 0.5 | 0.3 | 2.7 |
| 01/19/2022 07:00 | 1.2 | 1.6 | 0.5 | 0.4 | 2.8 |
| 01/19/2022 08:00 | 1.4 | 0.4 | 0.6 | 0.1 | 2.7 |
| 01/19/2022 15:00 | 1.5 | 0.7 | 0.7 | 0.2 | 2.3 |
| 01/19/2022 17:00 | 1.4 | 1.4 | 0.6 | 0.3 | 2.3 |
| 01/19/2022 18:00 | 1.4 | 2.3 | 0.6 | 0.6 | 2.9 |
| 01/19/2022 19:00 | 1.3 | 1.8 | 0.5 | 0.4 | 2.8 |
| 01/19/2022 21:00 | 1.3 | 1.2 | 0.4 | 0.2 | 2.7 |
| 01/20/2022 06:00 | 1.5 | 1.5 | 0.4 | 0.2 | 2.4 |
| 01/20/2022 07:00 | 1.4 | 2.6 | 0.5 | 0.6 | 2.8 |
| 01/20/2022 08:00 | 1.4 | 1.8 | 0.5 | 0.4 | 2.5 |
| 01/20/2022 15:00 | 1.4 | 1.9 | 0.7 | 0.6 | 2.3 |
| 01/20/2022 16:00 | 1.4 | 2.5 | 0.7 | 0.8 | 2.7 |
| 01/20/2022 17:00 | 1.5 | 2.0 | 0.5 | 0.4 | 2.7 |
| 01/20/2022 18:00 | 1.4 | 2.4 | 0.6 | 0.6 | 2.6 |
| 01/20/2022 19:00 | 1.5 | 2.9 | 0.7 | 1.0 | 2.7 |
| 01/20/2022 20:00 | 1.3 | 1.8 | 0.6 | 0.5 | 2.9 |
| 01/20/2022 21:00 | 1.4 | 0.4 | 0.6 | 0.1 | 2.7 |
| 01/21/2022 06:00 | 1.3 | 0.5 | 0.6 | 0.1 | 3.0 |
| 01/21/2022 08:00 | 1.4 | 1.3 | 0.4 | 0.2 | 2.5 |
| 01/21/2022 15:00 | 1.3 | 2.1 | 0.7 | 0.7 | 2.3 |
| 01/21/2022 17:00 | 1.3 | 1.3 | 0.5 | 0.3 | 2.7 |
| 01/21/2022 18:00 | 1.4 | 2.5 | 0.6 | 0.6 | 2.9 |
| 01/21/2022 19:00 | 1.4 | 1.8 | 0.5 | 0.4 | 2.9 |
| 01/22/2022 16:00 | 1.1 | 1.1 | 0.5 | 0.3 | 2.6 |
| 01/22/2022 17:00 | 1.4 | 2.6 | 0.6 | 0.8 | 2.6 |
| 01/22/2022 18:00 | 1.3 | 1.7 | 0.5 | 0.4 | 2.8 |
| 01/22/2022 20:00 | 1.4 | 1.3 | 0.6 | 0.3 | 2.4 |
| 01/23/2022 15:00 | 1.4 | 1.9 | 0.7 | 0.6 | 2.4 |
| 01/23/2022 16:00 | 1.3 | 2.0 | 1.2 | 1.2 | 3.0 |
| 01/23/2022 17:00 | 1.5 | 2.0 | 0.5 | 0.4 | 2.5 |
| 01/23/2022 18:00 | 1.3 | 2.3 | 0.6 | 0.6 | 2.7 |
| 01/23/2022 19:00 | 1.4 | 2.7 | 0.6 | 0.8 | 2.6 |
| 01/23/2022 20:00 | 1.3 | 1.8 | 0.6 | 0.5 | 2.6 |
| 01/23/2022 21:00 | 1.5 | 2.9 | 0.7 | 0.8 | 2.8 |
| 01/23/2022 22:00 | 1.0 | 0.3 | 0.6 | 0.1 | 3.1 |
| 01/24/2022 06:00 | 1.1 | 2.2 | 0.8 | 0.9 | 2.4 |
| 01/24/2022 07:00 | 1.3 | 3.2 | 0.6 | 1.0 | 3.0 |
| 01/24/2022 08:00 | 1.2 | 1.7 | 0.5 | 0.4 | 2.8 |
| 01/24/2022 09:00 | 1.3 | 0.4 | 0.4 | 0.1 | 3.2 |
| 01/24/2022 15:00 | 1.4 | 1.7 | 0.6 | 0.5 | 2.3 |
| 01/24/2022 16:00 | 1.4 | 2.5 | 0.8 | 1.0 | 2.5 |
| 01/24/2022 17:00 | 1.4 | 1.9 | 0.5 | 0.4 | 2.8 |
| 01/24/2022 18:00 | 1.4 | 3.3 | 0.7 | 1.1 | 2.3 |
| 01/24/2022 19:00 | 1.4 | 2.6 | 0.8 | 1.0 | 2.7 |
| 01/24/2022 20:00 | 1.4 | 1.9 | 0.5 | 0.4 | 2.7 |
| 01/24/2022 21:00 | 1.3 | 0.4 | 0.6 | 0.1 | 3.0 |
| 01/25/2022 06:00 | 1.4 | 1.3 | 0.7 | 0.4 | 2.5 |
| 01/25/2022 07:00 | 1.5 | 1.3 | 0.7 | 0.4 | 2.4 |
| 01/25/2022 08:00 | 1.4 | 1.6 | 0.3 | 0.2 | 2.6 |
| 01/25/2022 09:00 | 1.4 | 0.4 | 0.3 | 0.0 | 2.9 |
| 01/25/2022 15:00 | 1.4 | 1.5 | 0.1 | 0.0 | 2.6 |
| 01/25/2022 16:00 | 1.3 | 2.4 | 0.3 | 0.4 | 2.7 |
| 01/25/2022 17:00 | 1.2 | 1.7 | 0.0 | 0.0 | 2.8 |
| 01/25/2022 18:00 | 1.1 | 1.8 | 0.1 | 0.2 | 3.7 |
| 01/25/2022 19:00 | 1.1 | 1.5 | 0.1 | 0.1 | 2.8 |
| 01/25/2022 20:00 | 1.1 | 2.2 | 0.3 | 0.4 | 3.5 |
| 01/25/2022 21:00 | 1.0 | 1.5 | 0.1 | 0.1 | 3.7 |
| 01/26/2022 06:00 | 1.4 | 1.3 | 0.3 | 0.2 | 2.5 |
| 01/26/2022 07:00 | 1.5 | 2.5 | 0.4 | 0.4 | 3.0 |
| 01/26/2022 08:00 | 1.4 | 1.8 | 0.2 | 0.2 | 2.8 |
| 01/26/2022 09:00 | 1.4 | 0.4 | 0.1 | 0.0 | 2.7 |
| 01/26/2022 15:00 | 1.5 | 0.4 | 0.0 | 0.0 | 1.7 |
| 01/26/2022 16:00 | 1.4 | 2.7 | 0.4 | 0.8 | 2.5 |
| 01/26/2022 17:00 | 1.3 | 1.8 | 0.0 | 0.0 | 2.5 |
| 01/26/2022 18:00 | 1.4 | 2.4 | 0.1 | 0.1 | 2.6 |
| 01/26/2022 19:00 | 1.4 | 1.3 | 0.1 | 0.1 | 2.6 |
| 01/26/2022 20:00 | 1.4 | 2.5 | 0.3 | 0.3 | 2.5 |
| 01/26/2022 21:00 | 1.4 | 2.0 | 0.1 | 0.1 | 2.3 |

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|------------------|-----|-----|-----|-----|-----|
| 01/27/2022 06:00 | 1.3 | 1.2 | 0.2 | 0.1 | 2.8 |
| 01/27/2022 07:00 | 1.4 | 2.7 | 0.3 | 0.5 | 2.7 |
| 01/27/2022 08:00 | 1.3 | 1.8 | 0.2 | 0.1 | 2.5 |
| 01/27/2022 15:00 | 1.4 | 0.9 | 0.1 | 0.0 | 2.4 |
| 01/27/2022 16:00 | 1.4 | 1.9 | 0.1 | 0.1 | 2.7 |
| 01/27/2022 17:00 | 1.4 | 1.9 | 0.1 | 0.1 | 2.6 |
| 01/27/2022 18:00 | 1.2 | 1.8 | 0.1 | 0.0 | 2.6 |
| 01/27/2022 19:00 | 1.2 | 1.8 | 0.1 | 0.1 | 2.6 |
| 01/27/2022 20:00 | 1.2 | 0.3 | 0.1 | 0.0 | 2.7 |
| 01/28/2022 06:00 | 1.4 | 1.5 | 0.3 | 0.2 | 2.5 |
| 01/28/2022 07:00 | 1.5 | 0.9 | 0.2 | 0.1 | 2.2 |
| 01/28/2022 09:00 | 1.8 | 1.1 | 1.2 | 0.5 | 2.4 |
| 01/28/2022 10:00 | 1.5 | 4.0 | 0.8 | 1.5 | 2.2 |
| 01/28/2022 11:00 | 1.0 | 0.4 | 0.2 | 0.1 | 3.6 |
| 01/28/2022 17:00 | 1.5 | 0.6 | 0.1 | 0.0 | 2.0 |
| 01/28/2022 19:00 | 1.5 | 1.5 | 0.0 | 0.0 | 2.5 |
| 01/29/2022 17:00 | 1.5 | 1.9 | 0.0 | 0.0 | 2.2 |
| 01/29/2022 18:00 | 1.5 | 2.4 | 0.1 | 0.2 | 2.7 |
| 01/29/2022 19:00 | 1.5 | 2.6 | 0.2 | 0.2 | 2.8 |
| 01/29/2022 20:00 | 1.4 | 2.3 | 0.2 | 0.2 | 2.9 |
| 01/29/2022 21:00 | 1.5 | 1.5 | 0.1 | 0.1 | 2.7 |
| 01/30/2022 16:00 | 1.6 | 1.5 | 0.1 | 0.0 | 1.8 |
| 01/30/2022 17:00 | 1.5 | 2.8 | 0.3 | 0.6 | 2.4 |
| 01/30/2022 18:00 | 1.5 | 2.2 | 0.0 | 0.0 | 2.6 |
| 01/30/2022 20:00 | 1.4 | 1.3 | 0.1 | 0.1 | 2.6 |
| 01/31/2022 06:00 | 1.5 | 1.4 | 0.2 | 0.1 | 2.6 |
| 01/31/2022 07:00 | 1.7 | 3.1 | 0.3 | 0.4 | 2.9 |
| 01/31/2022 08:00 | 1.3 | 2.0 | 0.4 | 0.4 | 2.5 |
| 01/31/2022 09:00 | 1.4 | 0.2 | 0.2 | 0.0 | 2.7 |
| 01/31/2022 14:00 | 1.4 | 2.8 | 0.5 | 0.6 | 2.1 |
| 01/31/2022 15:00 | 1.3 | 2.7 | 0.3 | 0.4 | 2.5 |
| 01/31/2022 16:00 | 1.4 | 2.6 | 0.1 | 0.2 | 2.8 |
| 01/31/2022 17:00 | 1.3 | 2.1 | 0.1 | 0.1 | 2.8 |
| 01/31/2022 18:00 | 1.3 | 1.9 | 0.0 | 0.0 | 2.7 |
| 01/31/2022 19:00 | 1.3 | 2.3 | 0.2 | 0.2 | 2.8 |
| 01/31/2022 20:00 | 1.5 | 0.5 | 0.0 | 0.0 | 2.5 |
| 02/01/2022 06:00 | 1.3 | 1.3 | 0.0 | 0.0 | 2.7 |
| 02/01/2022 07:00 | 1.3 | 2.6 | 0.1 | 0.1 | 3.2 |
| 02/01/2022 08:00 | 1.3 | 2.7 | 0.2 | 0.4 | 3.2 |
| 02/01/2022 09:00 | 1.1 | 1.9 | 0.1 | 0.1 | 3.7 |
| 02/01/2022 10:00 | 1.2 | 1.3 | 0.1 | 0.1 | 3.1 |
| 02/01/2022 13:00 | 0.9 | 0.2 | 0.0 | 0.0 | 3.9 |
| 02/01/2022 14:00 | 1.1 | 2.4 | 0.3 | 0.6 | 3.7 |
| 02/01/2022 15:00 | 1.1 | 1.9 | 0.1 | 0.2 | 3.7 |
| 02/01/2022 16:00 | 1.0 | 1.4 | 0.0 | 0.0 | 3.8 |
| 02/01/2022 17:00 | 1.3 | 2.3 | 0.1 | 0.1 | 3.1 |
| 02/01/2022 18:00 | 1.2 | 1.2 | 0.1 | 0.1 | 3.2 |
| 02/01/2022 19:00 | 1.2 | 1.6 | 0.1 | 0.1 | 3.0 |
| 02/01/2022 20:00 | 1.2 | 1.7 | 0.0 | 0.0 | 2.8 |
| 02/01/2022 21:00 | 1.2 | 2.1 | 0.1 | 0.1 | 3.1 |
| 02/01/2022 22:00 | 1.2 | 0.9 | 0.0 | 0.0 | 3.3 |
| 02/02/2022 06:00 | 1.5 | 1.5 | 0.0 | 0.0 | 2.5 |
| 02/02/2022 07:00 | 1.6 | 2.9 | 0.1 | 0.1 | 2.4 |
| 02/02/2022 08:00 | 1.3 | 1.8 | 0.0 | 0.0 | 2.9 |
| 02/02/2022 09:00 | 1.5 | 3.8 | 0.2 | 0.4 | 3.3 |
| 02/02/2022 10:00 | 1.5 | 0.4 | 0.0 | 0.0 | 2.9 |
| 02/02/2022 16:00 | 1.4 | 1.4 | 0.1 | 0.0 | 2.6 |
| 02/02/2022 17:00 | 1.4 | 2.7 | 0.4 | 0.7 | 2.8 |
| 02/02/2022 18:00 | 1.4 | 1.8 | 0.0 | 0.0 | 2.5 |
| 02/02/2022 20:00 | 1.1 | 1.1 | 0.0 | 0.0 | 3.1 |
| 02/03/2022 06:00 | 1.2 | 1.2 | 0.0 | 0.0 | 3.1 |
| 02/03/2022 07:00 | 1.7 | 0.3 | 0.0 | 0.0 | 3.0 |
| 02/03/2022 16:00 | 1.2 | 0.7 | 0.0 | 0.0 | 2.4 |
| 02/03/2022 17:00 | 1.5 | 2.6 | 0.3 | 0.4 | 2.5 |
| 02/03/2022 18:00 | 1.5 | 2.0 | 0.1 | 0.0 | 2.7 |
| 02/03/2022 19:00 | 1.5 | 2.7 | 0.2 | 0.2 | 2.7 |
| 02/03/2022 20:00 | 1.5 | 2.1 | 0.0 | 0.0 | 2.5 |
| 02/03/2022 21:00 | 1.5 | 2.5 | 0.1 | 0.1 | 2.7 |
| 02/03/2022 22:00 | 1.5 | 2.7 | 0.1 | 0.1 | 2.5 |
| 02/03/2022 23:00 | 1.5 | 1.0 | 0.0 | 0.0 | 2.3 |
| 02/04/2022 06:00 | 1.5 | 2.4 | 0.3 | 0.3 | 2.0 |
| 02/04/2022 07:00 | 1.5 | 2.6 | 0.1 | 0.2 | 2.4 |
| 02/04/2022 08:00 | 1.4 | 2.0 | 0.0 | 0.0 | 2.4 |
| 02/04/2022 09:00 | 1.5 | 0.5 | 0.0 | 0.0 | 2.7 |
| 02/04/2022 16:00 | 1.5 | 2.0 | 0.3 | 0.3 | 2.1 |
| 02/04/2022 17:00 | 1.5 | 2.8 | 0.6 | 1.1 | 2.4 |
| 02/04/2022 18:00 | 1.5 | 2.0 | 0.0 | 0.0 | 2.5 |

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| 02/04/2022 19:00 | 1.5 | 2.6 | 0.2 | 0.2 | 2.5 |
| 02/04/2022 20:00 | 1.5 | 2.0 | 0.0 | 0.0 | 2.4 |
| 02/04/2022 21:00 | 1.6 | 3.1 | 0.1 | 0.2 | 2.5 |
| 02/04/2022 22:00 | 1.4 | 2.1 | 0.0 | 0.0 | 2.6 |
| 02/05/2022 16:00 | 1.5 | 0.7 | 0.2 | 0.1 | 2.1 |
| 02/05/2022 18:00 | 1.5 | 1.5 | 0.1 | 0.0 | 2.4 |
| 02/05/2022 20:00 | 1.5 | 1.5 | 0.0 | 0.0 | 2.3 |
| 02/06/2022 16:00 | 1.5 | 1.5 | 0.1 | 0.1 | 2.2 |
| 02/06/2022 18:00 | 1.5 | 1.5 | 0.1 | 0.0 | 2.4 |
| 02/06/2022 20:00 | 1.5 | 1.4 | 0.0 | 0.0 | 2.4 |
| 02/07/2022 16:00 | 0.9 | 0.1 | 0.4 | 0.0 | 4.0 |
| 02/07/2022 17:00 | 1.4 | 2.0 | 0.0 | 0.0 | 2.6 |
| 02/07/2022 18:00 | 1.6 | 2.8 | 0.1 | 0.2 | 3.0 |
| 02/07/2022 19:00 | 1.4 | 2.0 | 0.1 | 0.1 | 2.8 |
| 02/07/2022 20:00 | 1.5 | 2.7 | 0.2 | 0.3 | 2.6 |
| 02/07/2022 21:00 | 1.6 | 3.2 | 0.2 | 0.3 | 2.5 |
| 02/07/2022 22:00 | 1.4 | 2.3 | 0.2 | 0.3 | 3.0 |
| 02/08/2022 16:00 | 1.2 | 0.1 | 0.1 | 0.0 | 1.4 |
| 02/08/2022 17:00 | 1.5 | 1.9 | 0.4 | 0.3 | 2.1 |
| 02/08/2022 18:00 | 1.4 | 2.6 | 0.3 | 0.5 | 2.7 |
| 02/08/2022 19:00 | 1.5 | 2.6 | 0.2 | 0.3 | 2.5 |
| 02/08/2022 20:00 | 1.5 | 2.9 | 0.3 | 0.4 | 2.8 |
| 02/08/2022 21:00 | 1.4 | 1.9 | 0.2 | 0.1 | 2.5 |
| 02/08/2022 22:00 | 1.5 | 2.6 | 0.3 | 0.4 | 2.5 |
| 02/08/2022 23:00 | 1.4 | 2.0 | 0.2 | 0.2 | 2.3 |
| 02/09/2022 17:00 | 1.5 | 0.6 | 0.1 | 0.0 | 2.3 |
| 02/09/2022 18:00 | 1.5 | 2.0 | 0.1 | 0.1 | 2.9 |
| 02/09/2022 19:00 | 1.5 | 2.6 | 0.3 | 0.3 | 2.4 |
| 02/09/2022 20:00 | 1.5 | 2.0 | 0.1 | 0.1 | 2.8 |
| 02/09/2022 21:00 | 1.5 | 3.0 | 0.3 | 0.4 | 2.6 |
| 02/09/2022 22:00 | 1.5 | 2.8 | 0.3 | 0.5 | 2.6 |
| 02/09/2022 23:00 | 1.5 | 0.9 | 0.1 | 0.1 | 2.9 |
| 02/10/2022 07:00 | 1.6 | 0.9 | 0.9 | 0.3 | 1.6 |
| 02/10/2022 08:00 | 1.2 | 3.1 | 0.6 | 1.0 | 2.6 |
| 02/10/2022 09:00 | 1.5 | 4.2 | 0.5 | 0.8 | 2.0 |
| 02/10/2022 10:00 | 1.5 | 4.5 | 0.4 | 0.8 | 2.2 |
| 02/10/2022 11:00 | 1.5 | 4.5 | 0.4 | 0.8 | 2.3 |
| 02/10/2022 12:00 | 1.5 | 4.5 | 0.4 | 0.7 | 2.5 |
| 02/10/2022 13:00 | 1.4 | 4.3 | 0.6 | 1.1 | 2.3 |
| 02/10/2022 14:00 | 1.5 | 4.3 | 0.7 | 1.2 | 2.1 |
| 02/10/2022 15:00 | 1.5 | 4.4 | 0.6 | 1.2 | 2.0 |
| 02/10/2022 16:00 | 1.5 | 4.2 | 0.6 | 1.1 | 2.0 |
| 02/10/2022 17:00 | 1.5 | 4.2 | 0.6 | 1.1 | 2.0 |
| 02/10/2022 18:00 | 1.5 | 4.7 | 0.7 | 1.2 | 1.6 |
| 02/10/2022 19:00 | 1.5 | 4.9 | 0.7 | 1.3 | 1.9 |
| 02/10/2022 20:00 | 1.5 | 4.6 | 0.7 | 1.3 | 1.9 |
| 02/10/2022 21:00 | 1.4 | 1.0 | 0.3 | 0.1 | 2.5 |
| 02/11/2022 18:00 | 1.6 | 1.6 | 0.2 | 0.1 | 2.5 |
| 02/11/2022 19:00 | 1.6 | 3.5 | 0.5 | 0.7 | 2.4 |
| 02/11/2022 20:00 | 1.4 | 1.8 | 0.2 | 0.2 | 2.9 |
| 02/11/2022 21:00 | 1.5 | 2.7 | 0.4 | 0.5 | 2.8 |
| 02/11/2022 22:00 | 1.5 | 1.9 | 0.2 | 0.1 | 2.7 |
| 02/12/2022 17:00 | 1.6 | 0.0 | 0.3 | 0.0 | 1.9 |
| 02/12/2022 18:00 | 1.6 | 1.5 | 0.4 | 0.2 | 2.7 |
| 02/12/2022 19:00 | 1.5 | 2.6 | 0.4 | 0.5 | 2.5 |
| 02/12/2022 20:00 | 1.5 | 1.9 | 0.2 | 0.2 | 2.8 |
| 02/12/2022 22:00 | 1.5 | 0.9 | 0.2 | 0.1 | 3.1 |
| 02/12/2022 23:00 | 1.5 | 0.9 | 0.1 | 0.1 | 2.8 |
| 02/13/2022 16:00 | 1.6 | 1.4 | 0.2 | 0.1 | 2.7 |
| 02/13/2022 17:00 | 1.6 | 2.7 | 0.4 | 0.6 | 2.9 |
| 02/13/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.2 | 2.9 |
| 02/13/2022 19:00 | 1.5 | 2.6 | 0.3 | 0.4 | 2.4 |
| 02/13/2022 20:00 | 1.5 | 1.9 | 0.2 | 0.2 | 2.7 |
| 02/13/2022 21:00 | 1.5 | 2.7 | 0.3 | 0.4 | 2.7 |
| 02/13/2022 22:00 | 1.5 | 2.9 | 0.3 | 0.4 | 3.0 |
| 02/13/2022 23:00 | 1.5 | 1.0 | 0.2 | 0.1 | 2.8 |
| 02/14/2022 16:00 | 1.4 | 0.2 | 0.9 | 0.1 | 2.2 |
| 02/14/2022 17:00 | 1.5 | 1.9 | 0.2 | 0.2 | 2.7 |
| 02/14/2022 18:00 | 1.5 | 2.6 | 0.3 | 0.4 | 2.6 |
| 02/14/2022 19:00 | 1.5 | 1.9 | 0.2 | 0.1 | 2.6 |
| 02/14/2022 20:00 | 1.6 | 2.0 | 0.2 | 0.1 | 2.5 |
| 02/14/2022 21:00 | 1.4 | 1.5 | 0.2 | 0.1 | 2.7 |
| 02/15/2022 16:00 | 1.6 | 1.5 | 0.2 | 0.1 | 2.6 |
| 02/15/2022 17:00 | 1.5 | 2.8 | 0.4 | 0.5 | 3.0 |
| 02/15/2022 18:00 | 1.5 | 1.9 | 0.3 | 0.2 | 2.7 |
| 02/15/2022 19:00 | 1.5 | 1.9 | 0.3 | 0.2 | 2.8 |
| 02/15/2022 20:00 | 1.5 | 1.9 | 0.2 | 0.1 | 2.7 |

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| 02/16/2022 06:00 | 1.6 | 1.6 | 0.1 | 0.1 | 2.6 |
| 02/16/2022 07:00 | 1.5 | 0.9 | 0.1 | 0.0 | 2.6 |
| 02/16/2022 16:00 | 1.6 | 1.4 | 0.2 | 0.1 | 2.4 |
| 02/16/2022 17:00 | 1.5 | 2.8 | 0.6 | 1.0 | 2.8 |
| 02/16/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.2 | 2.7 |
| 02/16/2022 19:00 | 1.5 | 2.5 | 0.3 | 0.4 | 2.7 |
| 02/16/2022 20:00 | 1.5 | 1.9 | 0.2 | 0.1 | 2.7 |
| 02/16/2022 21:00 | 1.6 | 2.9 | 0.2 | 0.3 | 2.5 |
| 02/16/2022 22:00 | 1.4 | 2.0 | 0.0 | 0.1 | 2.5 |
| 02/17/2022 16:00 | 1.6 | 0.9 | 0.2 | 0.1 | 2.2 |
| 02/17/2022 17:00 | 1.5 | 2.6 | 0.5 | 0.7 | 2.8 |
| 02/17/2022 18:00 | 1.5 | 2.0 | 0.2 | 0.2 | 2.6 |
| 02/17/2022 19:00 | 1.6 | 2.6 | 0.3 | 0.3 | 2.7 |
| 02/17/2022 20:00 | 1.5 | 1.9 | 0.2 | 0.2 | 2.7 |
| 02/17/2022 21:00 | 1.6 | 2.6 | 0.3 | 0.4 | 2.6 |
| 02/17/2022 22:00 | 1.5 | 1.8 | 0.1 | 0.1 | 2.6 |
| 02/18/2022 06:00 | 1.6 | 1.4 | 0.1 | 0.0 | 2.2 |
| 02/18/2022 18:00 | 1.1 | 0.9 | 0.2 | 0.1 | 3.3 |
| 02/18/2022 19:00 | 1.1 | 2.2 | 0.4 | 0.6 | 3.5 |
| 02/18/2022 20:00 | 1.4 | 1.8 | 0.3 | 0.3 | 2.6 |
| 02/18/2022 21:00 | 1.5 | 0.4 | 0.2 | 0.0 | 2.5 |
| 02/19/2022 17:00 | 1.4 | 1.4 | 0.2 | 0.2 | 2.5 |
| 02/19/2022 18:00 | 1.4 | 1.8 | 0.3 | 0.2 | 2.7 |
| 02/19/2022 19:00 | 1.3 | 1.8 | 0.3 | 0.2 | 2.7 |
| 02/19/2022 20:00 | 1.3 | 1.3 | 0.3 | 0.2 | 2.7 |
| 02/20/2022 16:00 | 1.3 | 0.1 | 0.3 | 0.0 | 1.4 |
| 02/20/2022 17:00 | 1.4 | 0.6 | 0.5 | 0.1 | 2.9 |
| 02/21/2022 17:00 | 1.5 | 1.5 | 0.4 | 0.2 | 2.3 |
| 02/21/2022 18:00 | 1.4 | 1.8 | 0.4 | 0.3 | 2.5 |
| 02/21/2022 19:00 | 1.4 | 1.8 | 0.4 | 0.3 | 2.6 |
| 02/21/2022 20:00 | 1.5 | 0.6 | 0.5 | 0.1 | 2.6 |
| 02/22/2022 06:00 | 1.2 | 1.3 | 0.4 | 0.3 | 2.3 |
| 02/22/2022 07:00 | 1.4 | 1.9 | 0.7 | 0.6 | 3.3 |
| 02/22/2022 15:00 | 1.6 | 1.6 | 0.5 | 0.3 | 2.1 |
| 02/22/2022 16:00 | 1.5 | 2.3 | 0.4 | 0.4 | 2.8 |
| 02/22/2022 17:00 | 1.3 | 1.7 | 0.4 | 0.3 | 2.7 |
| 02/22/2022 18:00 | 1.2 | 1.8 | 0.4 | 0.3 | 2.5 |
| 02/22/2022 19:00 | 1.2 | 1.8 | 0.4 | 0.3 | 2.4 |
| 02/22/2022 20:00 | 1.2 | 1.8 | 0.4 | 0.3 | 2.9 |
| 02/22/2022 21:00 | 1.4 | 1.4 | 0.6 | 0.3 | 3.2 |
| 02/23/2022 06:00 | 1.2 | 2.9 | 0.9 | 1.2 | 2.2 |
| 02/23/2022 07:00 | 1.4 | 4.5 | 0.8 | 1.6 | 2.0 |
| 02/23/2022 08:00 | 1.3 | 0.4 | 0.5 | 0.1 | 2.5 |
| 02/23/2022 17:00 | 1.4 | 3.1 | 1.2 | 1.6 | 2.3 |
| 02/23/2022 18:00 | 1.1 | 1.8 | 0.5 | 0.4 | 3.5 |
| 02/23/2022 19:00 | 1.5 | 5.2 | 1.1 | 2.3 | 2.2 |
| 02/23/2022 20:00 | 1.5 | 5.2 | 1.0 | 2.0 | 1.8 |
| 02/23/2022 21:00 | 1.4 | 3.7 | 1.0 | 1.6 | 2.0 |
| 02/24/2022 06:00 | 1.0 | 2.5 | 0.9 | 1.3 | 3.6 |
| 02/24/2022 07:00 | 1.0 | 1.1 | 0.7 | 0.5 | 3.7 |
| 02/24/2022 17:00 | 1.2 | 2.1 | 0.8 | 1.0 | 2.5 |
| 02/24/2022 18:00 | 1.2 | 1.7 | 0.4 | 0.3 | 2.9 |
| 02/24/2022 19:00 | 1.1 | 3.5 | 0.8 | 1.5 | 2.6 |
| 02/24/2022 20:00 | 0.9 | 0.3 | 0.4 | 0.1 | 3.4 |
| 02/25/2022 06:00 | 1.5 | 1.3 | 0.5 | 0.3 | 2.9 |
| 02/25/2022 17:00 | 1.6 | 1.7 | 0.4 | 0.3 | 2.5 |
| 02/25/2022 18:00 | 1.5 | 1.8 | 0.4 | 0.3 | 2.6 |
| 02/25/2022 19:00 | 1.5 | 1.2 | 0.4 | 0.2 | 2.5 |
| 02/25/2022 20:00 | 1.5 | 1.7 | 0.5 | 0.4 | 2.6 |
| 02/26/2022 17:00 | 1.4 | 2.3 | 0.5 | 0.5 | 2.5 |
| 02/26/2022 18:00 | 1.4 | 1.9 | 0.4 | 0.3 | 2.6 |
| 02/26/2022 19:00 | 1.5 | 2.1 | 0.4 | 0.4 | 2.4 |
| 02/26/2022 20:00 | 1.5 | 1.4 | 0.4 | 0.2 | 2.5 |
| 02/27/2022 17:00 | 1.4 | 1.8 | 0.3 | 0.3 | 2.5 |
| 02/27/2022 18:00 | 1.3 | 1.8 | 0.3 | 0.3 | 2.5 |
| 02/27/2022 19:00 | 1.3 | 1.8 | 0.4 | 0.3 | 2.4 |
| 02/28/2022 06:00 | 1.5 | 1.3 | 0.5 | 0.3 | 2.5 |
| 02/28/2022 17:00 | 1.4 | 1.8 | 0.3 | 0.2 | 2.6 |
| 02/28/2022 18:00 | 1.5 | 1.9 | 0.3 | 0.2 | 2.6 |
| 02/28/2022 19:00 | 1.4 | 2.0 | 0.3 | 0.3 | 2.5 |
| 02/28/2022 20:00 | 1.4 | 1.7 | 0.4 | 0.3 | 2.6 |
| 03/01/2022 06:00 | 1.3 | 0.8 | 0.4 | 0.2 | 3.3 |
| 03/01/2022 07:00 | 1.2 | 1.5 | 0.3 | 0.2 | 3.4 |
| 03/01/2022 08:00 | 1.1 | 0.7 | 0.2 | 0.1 | 3.4 |
| 03/01/2022 17:00 | 1.4 | 1.3 | 0.2 | 0.1 | 2.6 |
| 03/01/2022 18:00 | 1.4 | 1.9 | 0.2 | 0.2 | 2.5 |
| 03/01/2022 19:00 | 1.2 | 1.7 | 0.2 | 0.2 | 3.2 |

| | | | | | |
|-----------------------|------------|------------|------------|------------|------------|
| 03/01/2022 20:00 | 1.3 | 1.7 | 0.3 | 0.2 | 2.6 |
| 03/04/2022 08:00 | 1.4 | 3.3 | 0.9 | 1.4 | 2.3 |
| 03/04/2022 09:00 | 1.1 | 0.7 | 0.1 | 0.1 | 3.2 |
| 03/07/2022 17:00 | 1.7 | 1.1 | 2.0 | 0.9 | 2.7 |
| 03/07/2022 18:00 | 1.0 | 2.0 | 0.5 | 0.6 | 4.1 |
| 03/07/2022 19:00 | 1.1 | 0.9 | 0.5 | 0.2 | 4.1 |
| 03/14/2022 07:00 | 1.2 | 0.6 | 0.7 | 0.2 | 2.1 |
| 03/14/2022 08:00 | 1.5 | 3.0 | 0.5 | 0.7 | 2.2 |
| 03/14/2022 09:00 | 1.5 | 1.6 | 0.4 | 0.3 | 2.3 |
| 03/14/2022 18:00 | 1.0 | 1.5 | 0.5 | 0.5 | 3.9 |
| 03/14/2022 19:00 | 1.0 | 0.3 | 0.2 | 0.0 | 4.4 |
| 03/19/2022 07:00 | 1.2 | 0.3 | 0.5 | 0.1 | 1.6 |
| 03/19/2022 08:00 | 1.3 | 1.7 | 0.6 | 0.5 | 2.3 |
| 03/19/2022 09:00 | 1.2 | 2.2 | 0.4 | 0.5 | 2.6 |
| 03/19/2022 10:00 | 1.2 | 1.7 | 0.2 | 0.2 | 3.1 |
| 03/19/2022 11:00 | 1.1 | 1.7 | 0.3 | 0.2 | 3.1 |
| 03/19/2022 12:00 | 1.2 | 1.7 | 0.3 | 0.2 | 2.8 |
| 03/19/2022 13:00 | 1.2 | 1.7 | 0.3 | 0.2 | 3.2 |
| 03/19/2022 14:00 | 1.1 | 1.7 | 0.3 | 0.2 | 3.2 |
| 03/19/2022 15:00 | 1.2 | 1.8 | 0.2 | 0.2 | 2.9 |
| 03/19/2022 16:00 | 1.5 | 2.1 | 0.3 | 0.2 | 2.3 |
| 03/19/2022 17:00 | 1.4 | 2.1 | 0.2 | 0.2 | 2.2 |
| 03/19/2022 18:00 | 1.5 | 2.1 | 0.2 | 0.2 | 2.3 |
| 03/19/2022 19:00 | 1.6 | 2.9 | 0.4 | 0.6 | 2.4 |
| 03/19/2022 20:00 | 1.3 | 0.9 | 1.1 | 0.5 | 2.8 |
| 03/29/2022 15:00 | 1.6 | 2.3 | 0.4 | 0.4 | 2.3 |
| 03/29/2022 16:00 | 1.2 | 0.4 | 0.4 | 0.1 | 2.5 |
| 03/29/2022 17:00 | 1.6 | 0.7 | 0.3 | 0.1 | 2.4 |
| 03/29/2022 18:00 | 1.5 | 1.9 | 0.3 | 0.2 | 2.4 |
| Final Average* | 1.4 | 1.9 | 0.4 | 0.4 | 2.5 |
| Maximum* | 1.8 | 5.2 | 2.3 | 2.3 | 4.4 |
| | 01/28/2022 | 02/23/2022 | 01/11/2022 | 02/23/2022 | 03/14/2022 |
| | 9:00 | 20:00 | 15:00 | 19:00 | 19:00 |
| Minimum* | 0.9 | 0.0 | 0.0 | 0.0 | 1.3 |
| | 02/24/2022 | 02/12/2022 | 02/16/2022 | 03/14/2022 | 01/06/2022 |
| | 20:00 | 17:00 | 22:00 | 19:00 | 6:00 |

* Does not include Invalid Averaging Periods ("N/A")

Average Values Report
Generated: 4/1/2022 08:31

Company: NRG Carlsbad
Plant: 4600 Carlsbad Blvd
City/St: Carlsbad, CA 92008
Source: 9

Period Start: 1/1/2022 00:00
Period End: 3/31/2022 23:59
Validation Type: 1/60 min
Averaging Period: 1 hr
Type: Block Avg

| Period Start: | Average | Average | Average | Average | Average |
|------------------|-------------------|-------------------|------------------|------------------|-------------------|
| | 9NOxCorOP1 ppm | 9NOX#OP1HR LBS | 9COCorOP1 ppm | 9CO#OP1HR LBS | 9NH3CorOP1 ppm |
| 01/01/2022 17:00 | 1.6 | 1.6 | 0.3 | 0.2 | 3.4 |
| 01/01/2022 18:00 | 1.5 | 2.4 | 0.3 | 0.4 | 3.4 |
| 01/01/2022 19:00 | 1.4 | 2.5 | 0.4 | 0.5 | 3.2 |
| 01/01/2022 21:00 | 1.8 | 1.8 | 0.2 | 0.1 | 3.1 |
| 01/01/2022 22:00 | 1.8 | 2.8 | 0.2 | 0.3 | 3.1 |
| 01/01/2022 23:00 | 1.8 | 2.9 | 0.2 | 0.3 | 3.0 |
| 01/02/2022 00:00 | 1.5 | 0.5 | 0.4 | 0.1 | 3.2 |
| 01/02/2022 16:00 | 1.7 | 0.5 | 0.2 | 0.0 | 3.5 |
| 01/02/2022 17:00 | 1.5 | 2.0 | 0.2 | 0.1 | 4.1 |
| 01/02/2022 18:00 | 1.5 | 2.5 | 0.3 | 0.3 | 3.4 |
| 01/02/2022 19:00 | 1.6 | 2.7 | 0.3 | 0.3 | 3.6 |
| 01/02/2022 20:00 | 1.7 | 2.4 | 0.2 | 0.2 | 3.1 |
| 01/02/2022 21:00 | 1.6 | 2.7 | 0.3 | 0.4 | 3.2 |
| 01/02/2022 22:00 | 1.8 | 2.2 | 0.2 | 0.2 | 2.9 |
| 01/03/2022 06:00 | 1.5 | 1.4 | 0.6 | 0.4 | 3.2 |
| 01/03/2022 07:00 | 1.9 | 3.1 | 0.3 | 0.3 | 3.0 |
| 01/03/2022 08:00 | 1.9 | 2.5 | 0.2 | 0.2 | 3.0 |
| 01/03/2022 16:00 | 1.6 | 1.4 | 0.3 | 0.2 | 3.4 |
| 01/03/2022 17:00 | 1.5 | 2.1 | 0.2 | 0.2 | 3.6 |
| 01/03/2022 18:00 | 1.5 | 2.5 | 0.3 | 0.4 | 3.6 |
| 01/03/2022 19:00 | 1.5 | 3.0 | 0.5 | 0.6 | 2.6 |
| 01/03/2022 20:00 | 1.7 | 3.0 | 0.5 | 0.8 | 3.5 |
| 01/03/2022 21:00 | 1.6 | 2.1 | 0.2 | 0.1 | 3.5 |
| 01/04/2022 15:00 | 1.6 | 2.1 | 0.3 | 0.3 | 3.8 |
| 01/04/2022 16:00 | 1.5 | 2.5 | 0.3 | 0.4 | 4.1 |
| 01/04/2022 17:00 | 1.5 | 2.0 | 0.2 | 0.2 | 3.9 |
| 01/04/2022 18:00 | 1.4 | 2.4 | 0.3 | 0.3 | 3.7 |
| 01/04/2022 19:00 | 1.5 | 2.2 | 0.2 | 0.2 | 3.6 |
| 01/05/2022 16:00 | 1.6 | 1.3 | 1.2 | 0.7 | 3.2 |
| 01/05/2022 17:00 | 1.5 | 2.1 | 0.2 | 0.2 | 3.9 |
| 01/05/2022 18:00 | 1.5 | 1.8 | 0.6 | 0.4 | 3.3 |
| 01/05/2022 19:00 | 1.5 | 2.5 | 0.3 | 0.3 | 3.2 |
| 01/05/2022 20:00 | 1.5 | 2.6 | 0.3 | 0.4 | 3.5 |
| 01/05/2022 21:00 | 1.5 | 0.5 | 0.2 | 0.0 | 3.9 |
| 01/06/2022 06:00 | 1.6 | 0.4 | 0.1 | 0.0 | 3.4 |
| 01/06/2022 07:00 | 1.8 | 2.2 | 0.1 | 0.1 | 3.7 |
| 01/06/2022 08:00 | 1.7 | 0.5 | 0.1 | 0.0 | 3.7 |
| 01/06/2022 15:00 | 1.6 | 2.3 | 0.5 | 0.5 | 3.0 |
| 01/06/2022 16:00 | 1.4 | 2.5 | 0.4 | 0.5 | 3.5 |
| 01/06/2022 17:00 | 1.5 | 3.0 | 0.4 | 0.5 | 3.1 |
| 01/06/2022 18:00 | 1.5 | 2.0 | 0.2 | 0.2 | 4.3 |
| 01/06/2022 19:00 | 1.5 | 2.4 | 0.2 | 0.2 | 3.8 |
| 01/06/2022 20:00 | 1.5 | 2.6 | 0.3 | 0.4 | 3.5 |
| 01/06/2022 21:00 | 1.7 | 2.1 | 0.1 | 0.1 | 3.8 |
| 01/07/2022 06:00 | 1.6 | 0.4 | 0.1 | 0.0 | 3.4 |
| 01/07/2022 07:00 | 1.5 | 1.0 | 0.1 | 0.1 | 3.8 |
| 01/07/2022 15:00 | 1.5 | 1.9 | 0.4 | 0.3 | 3.4 |
| 01/07/2022 16:00 | 1.5 | 1.4 | 0.2 | 0.2 | 3.9 |
| 01/07/2022 17:00 | 1.5 | 2.0 | 0.4 | 0.3 | 3.8 |
| 01/07/2022 18:00 | 1.5 | 2.8 | 0.4 | 0.5 | 3.2 |
| 01/07/2022 19:00 | 1.5 | 2.7 | 0.3 | 0.5 | 3.9 |
| 01/07/2022 20:00 | 1.5 | 2.5 | 0.3 | 0.4 | 3.8 |
| 01/07/2022 21:00 | 1.5 | 1.5 | 0.2 | 0.1 | 4.4 |
| 01/08/2022 15:00 | 1.5 | 2.0 | 0.4 | 0.3 | 3.3 |
| 01/08/2022 16:00 | 1.5 | 2.3 | 0.3 | 0.3 | 3.3 |
| 01/08/2022 17:00 | 1.5 | 2.0 | 0.2 | 0.2 | 4.3 |
| 01/08/2022 18:00 | 1.5 | 2.4 | 0.3 | 0.4 | 3.8 |
| 01/08/2022 19:00 | 1.5 | 1.9 | 0.2 | 0.2 | 4.2 |
| 01/08/2022 21:00 | 1.5 | 1.4 | 0.1 | 0.1 | 4.0 |
| 01/09/2022 15:00 | 1.5 | 1.7 | 0.4 | 0.3 | 3.0 |
| 01/09/2022 16:00 | 1.5 | 2.5 | 0.3 | 0.4 | 3.0 |
| 01/09/2022 17:00 | 1.5 | 2.1 | 0.3 | 0.2 | 3.2 |
| 01/09/2022 18:00 | 1.5 | 2.6 | 0.8 | 1.4 | 3.9 |
| 01/09/2022 19:00 | 1.5 | 1.4 | 0.2 | 0.1 | 4.1 |
| 01/09/2022 20:00 | 1.5 | 2.2 | 0.4 | 0.5 | 3.3 |

| | | | | | |
|------------------|-----|-----|-----|-----|-----|
| 01/09/2022 21:00 | 1.5 | 2.6 | 0.3 | 0.3 | 3.3 |
| 01/09/2022 22:00 | 1.6 | 1.1 | 0.1 | 0.1 | 3.7 |
| 01/10/2022 06:00 | 1.6 | 2.1 | 0.3 | 0.2 | 3.3 |
| 01/10/2022 07:00 | 1.5 | 2.5 | 0.2 | 0.2 | 3.7 |
| 01/10/2022 08:00 | 1.5 | 2.6 | 0.3 | 0.4 | 3.3 |
| 01/10/2022 09:00 | 1.5 | 0.9 | 0.2 | 0.1 | 3.9 |
| 01/10/2022 15:00 | 1.5 | 2.4 | 0.5 | 0.7 | 3.0 |
| 01/10/2022 16:00 | 1.5 | 2.0 | 0.2 | 0.1 | 3.1 |
| 01/10/2022 17:00 | 1.5 | 2.8 | 0.3 | 0.5 | 3.7 |
| 01/10/2022 18:00 | 1.5 | 2.1 | 0.2 | 0.1 | 4.1 |
| 01/10/2022 19:00 | 1.5 | 2.7 | 0.3 | 0.4 | 3.8 |
| 01/10/2022 20:00 | 1.5 | 2.2 | 0.2 | 0.2 | 3.5 |
| 01/10/2022 21:00 | 1.5 | 2.4 | 0.3 | 0.3 | 3.4 |
| 01/10/2022 22:00 | 1.5 | 2.5 | 0.3 | 0.3 | 3.2 |
| 01/10/2022 23:00 | 1.5 | 1.0 | 0.1 | 0.1 | 3.2 |
| 01/11/2022 07:00 | 1.6 | 1.5 | 0.2 | 0.1 | 3.7 |
| 01/11/2022 08:00 | 1.5 | 2.3 | 0.4 | 0.4 | 3.1 |
| 01/11/2022 09:00 | 1.4 | 3.3 | 0.7 | 1.0 | 2.6 |
| 01/11/2022 10:00 | 1.5 | 2.6 | 0.3 | 0.4 | 3.4 |
| 01/11/2022 11:00 | 1.5 | 2.2 | 0.3 | 0.2 | 3.7 |
| 01/11/2022 16:00 | 1.5 | 0.4 | 0.4 | 0.1 | 3.1 |
| 01/11/2022 17:00 | 1.8 | 1.9 | 0.3 | 0.2 | 3.8 |
| 01/11/2022 18:00 | 1.5 | 0.8 | 0.2 | 0.1 | 4.1 |
| 01/11/2022 19:00 | 1.5 | 2.7 | 0.3 | 0.4 | 3.9 |
| 01/11/2022 20:00 | 1.5 | 2.2 | 0.2 | 0.1 | 3.8 |
| 01/12/2022 06:00 | 1.8 | 0.5 | 0.2 | 0.0 | 3.2 |
| 01/12/2022 07:00 | 2.1 | 3.0 | 0.2 | 0.2 | 3.2 |
| 01/12/2022 08:00 | 1.6 | 3.3 | 0.4 | 0.5 | 3.6 |
| 01/12/2022 09:00 | 1.9 | 3.1 | 0.3 | 0.4 | 3.5 |
| 01/12/2022 10:00 | 1.5 | 3.2 | 0.5 | 0.8 | 3.6 |
| 01/12/2022 11:00 | 1.5 | 3.1 | 0.5 | 0.8 | 3.9 |
| 01/12/2022 12:00 | 1.4 | 4.3 | 0.6 | 1.2 | 2.9 |
| 01/12/2022 13:00 | 1.6 | 3.6 | 0.4 | 0.6 | 3.2 |
| 01/12/2022 14:00 | 1.4 | 4.2 | 0.6 | 1.1 | 3.1 |
| 01/12/2022 15:00 | 1.5 | 3.3 | 0.5 | 0.7 | 3.3 |
| 01/12/2022 16:00 | 1.4 | 2.3 | 0.3 | 0.3 | 3.8 |
| 01/12/2022 17:00 | 1.5 | 1.6 | 0.2 | 0.1 | 4.2 |
| 01/12/2022 18:00 | 1.5 | 2.1 | 0.4 | 0.4 | 3.6 |
| 01/12/2022 19:00 | 1.5 | 2.9 | 0.3 | 0.4 | 3.7 |
| 01/12/2022 20:00 | 1.5 | 2.1 | 0.2 | 0.2 | 3.9 |
| 01/12/2022 21:00 | 1.4 | 0.5 | 0.3 | 0.0 | 4.1 |
| 01/13/2022 06:00 | 2.0 | 1.9 | 0.2 | 0.1 | 3.1 |
| 01/13/2022 07:00 | 2.2 | 2.9 | 0.2 | 0.1 | 3.0 |
| 01/13/2022 08:00 | 2.2 | 0.7 | 0.2 | 0.0 | 3.3 |
| 01/13/2022 15:00 | 1.5 | 2.0 | 0.4 | 0.4 | 3.8 |
| 01/13/2022 16:00 | 1.4 | 2.5 | 0.3 | 0.3 | 3.9 |
| 01/13/2022 17:00 | 1.5 | 2.0 | 0.2 | 0.2 | 4.5 |
| 01/13/2022 18:00 | 1.5 | 2.7 | 0.4 | 0.6 | 4.0 |
| 01/13/2022 19:00 | 1.5 | 2.0 | 0.2 | 0.2 | 4.2 |
| 01/14/2022 06:00 | 1.6 | 1.6 | 0.2 | 0.1 | 3.8 |
| 01/14/2022 07:00 | 1.7 | 2.9 | 0.3 | 0.4 | 4.0 |
| 01/14/2022 08:00 | 1.6 | 2.3 | 0.2 | 0.2 | 3.9 |
| 01/14/2022 09:00 | 1.5 | 0.5 | 0.2 | 0.0 | 4.2 |
| 01/14/2022 15:00 | 1.5 | 1.2 | 0.6 | 0.3 | 3.5 |
| 01/14/2022 16:00 | 1.5 | 2.8 | 0.6 | 1.0 | 3.8 |
| 01/14/2022 17:00 | 1.5 | 2.0 | 0.2 | 0.2 | 3.7 |
| 01/14/2022 18:00 | 1.5 | 2.8 | 0.4 | 0.4 | 3.6 |
| 01/14/2022 19:00 | 1.5 | 1.9 | 0.2 | 0.2 | 4.5 |
| 01/15/2022 15:00 | 1.5 | 1.5 | 0.3 | 0.1 | 4.0 |
| 01/15/2022 16:00 | 1.5 | 2.6 | 0.3 | 0.4 | 4.2 |
| 01/15/2022 17:00 | 1.4 | 1.9 | 0.2 | 0.2 | 4.4 |
| 01/15/2022 18:00 | 1.3 | 2.1 | 0.3 | 0.3 | 4.2 |
| 01/15/2022 19:00 | 1.4 | 1.8 | 0.2 | 0.2 | 4.3 |
| 01/15/2022 20:00 | 1.3 | 2.5 | 0.4 | 0.5 | 3.9 |
| 01/15/2022 21:00 | 1.6 | 0.5 | 0.2 | 0.0 | 4.1 |
| 01/16/2022 15:00 | 1.6 | 1.6 | 0.3 | 0.2 | 3.2 |
| 01/16/2022 16:00 | 1.5 | 2.6 | 0.4 | 0.4 | 3.5 |
| 01/16/2022 17:00 | 1.5 | 2.0 | 0.3 | 0.2 | 3.5 |
| 01/16/2022 18:00 | 1.5 | 2.7 | 0.4 | 0.4 | 3.4 |
| 01/16/2022 19:00 | 1.5 | 2.0 | 0.3 | 0.2 | 3.4 |
| 01/16/2022 20:00 | 1.5 | 2.2 | 0.4 | 0.4 | 3.5 |
| 01/16/2022 21:00 | 1.4 | 1.5 | 0.4 | 0.3 | 4.2 |
| 01/16/2022 22:00 | 1.5 | 0.5 | 0.3 | 0.0 | 4.2 |
| 01/17/2022 15:00 | 1.5 | 1.6 | 0.3 | 0.2 | 3.5 |
| 01/17/2022 16:00 | 1.5 | 2.6 | 0.4 | 0.4 | 3.5 |
| 01/17/2022 17:00 | 1.4 | 1.9 | 0.3 | 0.2 | 3.8 |
| 01/17/2022 18:00 | 1.3 | 2.1 | 0.4 | 0.4 | 4.3 |

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|------------------|-----|-----|-----|-----|-----|
| 01/17/2022 19:00 | 1.3 | 1.8 | 0.3 | 0.2 | 4.7 |
| 01/17/2022 20:00 | 1.3 | 2.4 | 0.4 | 0.6 | 4.5 |
| 01/17/2022 21:00 | 1.3 | 1.8 | 0.3 | 0.2 | 4.3 |
| 01/17/2022 22:00 | 1.3 | 0.4 | 0.3 | 0.0 | 4.3 |
| 01/18/2022 15:00 | 1.5 | 1.5 | 0.3 | 0.2 | 3.3 |
| 01/18/2022 16:00 | 1.5 | 2.5 | 0.4 | 0.5 | 3.5 |
| 01/18/2022 17:00 | 1.5 | 2.0 | 0.3 | 0.2 | 3.3 |
| 01/18/2022 18:00 | 1.5 | 2.7 | 0.4 | 0.4 | 3.6 |
| 01/18/2022 19:00 | 1.4 | 2.0 | 0.2 | 0.2 | 4.5 |
| 01/18/2022 20:00 | 1.5 | 2.8 | 0.4 | 0.4 | 3.3 |
| 01/18/2022 21:00 | 1.5 | 0.5 | 0.2 | 0.0 | 4.1 |
| 01/19/2022 06:00 | 1.5 | 1.5 | 0.2 | 0.1 | 3.4 |
| 01/19/2022 07:00 | 1.5 | 1.2 | 0.5 | 0.2 | 4.6 |
| 01/19/2022 08:00 | 1.5 | 0.5 | 0.3 | 0.1 | 4.5 |
| 01/19/2022 15:00 | 1.5 | 1.6 | 0.3 | 0.2 | 3.5 |
| 01/19/2022 17:00 | 1.5 | 1.5 | 0.3 | 0.1 | 3.3 |
| 01/19/2022 18:00 | 1.5 | 2.4 | 0.3 | 0.3 | 3.9 |
| 01/19/2022 19:00 | 1.5 | 1.9 | 0.2 | 0.2 | 4.6 |
| 01/19/2022 21:00 | 1.5 | 1.4 | 0.2 | 0.1 | 4.4 |
| 01/20/2022 06:00 | 1.6 | 1.6 | 0.2 | 0.1 | 3.7 |
| 01/20/2022 07:00 | 1.6 | 2.7 | 0.3 | 0.3 | 4.0 |
| 01/20/2022 08:00 | 1.6 | 2.2 | 0.2 | 0.2 | 3.8 |
| 01/20/2022 15:00 | 1.5 | 1.9 | 0.4 | 0.3 | 3.3 |
| 01/20/2022 16:00 | 1.5 | 2.6 | 0.4 | 0.6 | 3.7 |
| 01/20/2022 17:00 | 1.4 | 1.4 | 0.2 | 0.1 | 3.6 |
| 01/20/2022 18:00 | 1.5 | 2.0 | 0.4 | 0.4 | 3.4 |
| 01/20/2022 19:00 | 1.5 | 2.9 | 0.4 | 0.7 | 4.1 |
| 01/20/2022 20:00 | 1.5 | 2.0 | 0.3 | 0.2 | 4.3 |
| 01/20/2022 21:00 | 1.5 | 0.5 | 0.3 | 0.0 | 4.2 |
| 01/21/2022 06:00 | 1.8 | 1.5 | 0.2 | 0.1 | 3.6 |
| 01/21/2022 08:00 | 1.6 | 1.5 | 0.2 | 0.1 | 3.8 |
| 01/21/2022 15:00 | 1.5 | 2.3 | 0.4 | 0.4 | 3.0 |
| 01/21/2022 17:00 | 1.5 | 1.4 | 0.2 | 0.1 | 3.6 |
| 01/21/2022 18:00 | 1.5 | 2.4 | 0.3 | 0.3 | 3.7 |
| 01/21/2022 19:00 | 1.4 | 1.9 | 0.2 | 0.2 | 3.9 |
| 01/22/2022 16:00 | 1.2 | 1.3 | 0.2 | 0.1 | 4.3 |
| 01/22/2022 17:00 | 1.5 | 2.6 | 0.3 | 0.5 | 3.8 |
| 01/22/2022 18:00 | 1.5 | 2.0 | 0.2 | 0.2 | 4.3 |
| 01/22/2022 20:00 | 1.7 | 0.7 | 0.5 | 0.1 | 3.9 |
| 01/23/2022 15:00 | 1.5 | 1.9 | 0.4 | 0.4 | 3.1 |
| 01/23/2022 16:00 | 1.5 | 3.0 | 0.5 | 0.8 | 3.5 |
| 01/23/2022 17:00 | 1.5 | 2.0 | 0.2 | 0.2 | 3.6 |
| 01/23/2022 18:00 | 1.5 | 2.5 | 0.3 | 0.3 | 3.7 |
| 01/23/2022 19:00 | 1.5 | 2.6 | 0.3 | 0.4 | 4.0 |
| 01/23/2022 20:00 | 1.5 | 2.2 | 0.2 | 0.2 | 3.7 |
| 01/23/2022 21:00 | 1.6 | 2.9 | 0.3 | 0.4 | 3.7 |
| 01/23/2022 22:00 | 1.6 | 0.5 | 0.3 | 0.0 | 3.4 |
| 01/24/2022 06:00 | 1.4 | 2.7 | 0.6 | 0.7 | 2.6 |
| 01/24/2022 07:00 | 1.7 | 3.9 | 0.4 | 0.6 | 3.5 |
| 01/24/2022 08:00 | 1.9 | 2.6 | 0.2 | 0.2 | 3.5 |
| 01/24/2022 09:00 | 1.9 | 0.6 | 0.2 | 0.0 | 3.7 |
| 01/24/2022 15:00 | 1.5 | 1.8 | 0.3 | 0.3 | 3.2 |
| 01/24/2022 16:00 | 1.5 | 2.5 | 0.5 | 0.8 | 3.5 |
| 01/24/2022 17:00 | 1.5 | 2.0 | 0.2 | 0.2 | 3.3 |
| 01/24/2022 18:00 | 1.4 | 3.5 | 0.5 | 0.7 | 2.8 |
| 01/24/2022 19:00 | 1.5 | 1.8 | 0.8 | 0.7 | 3.6 |
| 01/24/2022 20:00 | 1.5 | 2.1 | 0.2 | 0.2 | 4.0 |
| 01/24/2022 21:00 | 1.5 | 0.5 | 0.2 | 0.0 | 4.3 |
| 01/25/2022 06:00 | 1.8 | 1.7 | 0.3 | 0.2 | 3.7 |
| 01/25/2022 07:00 | 1.7 | 2.9 | 0.4 | 0.5 | 3.7 |
| 01/25/2022 08:00 | 1.7 | 2.1 | 0.3 | 0.2 | 4.0 |
| 01/25/2022 09:00 | 1.6 | 0.5 | 0.3 | 0.1 | 4.0 |
| 01/25/2022 15:00 | 1.5 | 1.6 | 0.3 | 0.2 | 3.6 |
| 01/25/2022 16:00 | 1.4 | 2.5 | 0.4 | 0.5 | 4.0 |
| 01/25/2022 17:00 | 1.4 | 1.9 | 0.3 | 0.2 | 4.2 |
| 01/25/2022 18:00 | 1.3 | 2.1 | 0.4 | 0.4 | 4.1 |
| 01/25/2022 19:00 | 1.3 | 1.8 | 0.3 | 0.2 | 4.3 |
| 01/25/2022 20:00 | 1.3 | 2.3 | 0.4 | 0.5 | 4.1 |
| 01/25/2022 21:00 | 1.4 | 1.8 | 0.3 | 0.2 | 3.6 |
| 01/26/2022 06:00 | 1.6 | 1.5 | 0.3 | 0.2 | 3.8 |
| 01/26/2022 07:00 | 1.6 | 2.5 | 0.4 | 0.4 | 3.7 |
| 01/26/2022 08:00 | 1.6 | 1.3 | 0.6 | 0.3 | 3.9 |
| 01/26/2022 09:00 | 1.7 | 0.5 | 0.3 | 0.1 | 3.8 |
| 01/26/2022 15:00 | 1.5 | 0.4 | 0.2 | 0.0 | 3.2 |
| 01/26/2022 16:00 | 1.5 | 2.7 | 0.4 | 0.7 | 3.4 |
| 01/26/2022 17:00 | 1.5 | 2.0 | 0.2 | 0.2 | 4.3 |
| 01/26/2022 18:00 | 1.4 | 2.4 | 0.3 | 0.4 | 3.7 |

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|------------------|-----|-----|-----|-----|-----|
| 01/26/2022 19:00 | 1.5 | 2.1 | 0.2 | 0.2 | 3.9 |
| 01/26/2022 20:00 | 1.5 | 2.6 | 0.3 | 0.3 | 3.5 |
| 01/26/2022 21:00 | 1.6 | 2.2 | 0.2 | 0.2 | 3.4 |
| 01/27/2022 06:00 | 1.8 | 1.7 | 0.2 | 0.1 | 3.4 |
| 01/27/2022 07:00 | 1.9 | 3.3 | 0.3 | 0.5 | 3.5 |
| 01/27/2022 08:00 | 2.0 | 2.4 | 0.2 | 0.2 | 3.3 |
| 01/27/2022 15:00 | 1.5 | 1.0 | 0.2 | 0.1 | 3.8 |
| 01/27/2022 16:00 | 1.5 | 2.0 | 0.2 | 0.2 | 4.1 |
| 01/27/2022 17:00 | 1.4 | 2.0 | 0.2 | 0.2 | 4.2 |
| 01/27/2022 18:00 | 1.4 | 1.8 | 0.2 | 0.2 | 4.0 |
| 01/27/2022 19:00 | 1.6 | 2.1 | 0.2 | 0.2 | 3.8 |
| 01/27/2022 20:00 | 1.6 | 0.4 | 0.2 | 0.0 | 3.8 |
| 01/28/2022 06:00 | 1.6 | 1.0 | 0.3 | 0.1 | 3.4 |
| 01/28/2022 07:00 | 2.2 | 1.3 | 0.6 | 0.2 | 3.2 |
| 01/28/2022 09:00 | 1.7 | 1.1 | 1.1 | 0.5 | 3.8 |
| 01/28/2022 10:00 | 1.5 | 4.0 | 0.7 | 1.3 | 3.5 |
| 01/28/2022 11:00 | 1.3 | 0.4 | 0.2 | 0.0 | 4.4 |
| 01/28/2022 17:00 | 1.5 | 1.4 | 0.1 | 0.0 | 4.1 |
| 01/28/2022 19:00 | 1.8 | 1.6 | 0.0 | 0.0 | 3.7 |
| 01/29/2022 17:00 | 1.5 | 2.0 | 0.0 | 0.0 | 4.2 |
| 01/29/2022 18:00 | 1.6 | 2.4 | 0.1 | 0.2 | 3.9 |
| 01/29/2022 19:00 | 1.7 | 2.8 | 0.1 | 0.2 | 4.1 |
| 01/29/2022 20:00 | 1.8 | 2.8 | 0.1 | 0.1 | 3.8 |
| 01/29/2022 21:00 | 2.2 | 2.1 | 0.0 | 0.0 | 3.5 |
| 01/30/2022 16:00 | 1.5 | 1.5 | 0.1 | 0.1 | 3.3 |
| 01/30/2022 17:00 | 1.5 | 2.6 | 0.4 | 0.6 | 3.9 |
| 01/30/2022 18:00 | 1.5 | 2.0 | 0.1 | 0.1 | 4.3 |
| 01/30/2022 20:00 | 1.5 | 1.4 | 0.1 | 0.0 | 4.3 |
| 01/31/2022 06:00 | 2.0 | 0.9 | 0.4 | 0.1 | 3.5 |
| 01/31/2022 07:00 | 2.0 | 3.6 | 0.2 | 0.4 | 3.4 |
| 01/31/2022 08:00 | 1.6 | 2.9 | 0.2 | 0.3 | 3.6 |
| 01/31/2022 09:00 | 2.0 | 0.6 | 0.1 | 0.0 | 3.7 |
| 01/31/2022 14:00 | 1.5 | 3.2 | 0.5 | 0.6 | 2.7 |
| 01/31/2022 15:00 | 1.5 | 2.9 | 0.3 | 0.3 | 3.4 |
| 01/31/2022 16:00 | 1.6 | 2.9 | 0.2 | 0.2 | 3.8 |
| 01/31/2022 17:00 | 1.5 | 2.3 | 0.1 | 0.1 | 4.1 |
| 01/31/2022 18:00 | 1.5 | 2.1 | 0.1 | 0.1 | 4.0 |
| 01/31/2022 19:00 | 1.4 | 0.2 | 0.1 | 0.0 | 4.1 |
| 02/01/2022 07:00 | 1.4 | 1.1 | 0.0 | 0.0 | 3.7 |
| 02/01/2022 08:00 | 1.3 | 2.6 | 0.2 | 0.4 | 4.4 |
| 02/01/2022 09:00 | 1.3 | 1.3 | 0.1 | 0.0 | 4.2 |
| 02/01/2022 13:00 | 1.2 | 0.4 | 0.1 | 0.0 | 4.2 |
| 02/01/2022 14:00 | 1.3 | 2.5 | 0.3 | 0.5 | 4.3 |
| 02/01/2022 15:00 | 1.3 | 1.3 | 0.1 | 0.1 | 4.7 |
| 02/01/2022 19:00 | 1.5 | 1.4 | 0.0 | 0.0 | 3.9 |
| 02/01/2022 20:00 | 1.6 | 2.1 | 0.0 | 0.0 | 4.1 |
| 02/01/2022 21:00 | 1.6 | 1.9 | 0.1 | 0.1 | 3.8 |
| 02/01/2022 22:00 | 1.6 | 0.8 | 0.4 | 0.1 | 4.0 |
| 02/02/2022 06:00 | 1.8 | 1.8 | 0.0 | 0.0 | 3.2 |
| 02/02/2022 07:00 | 1.8 | 3.0 | 0.1 | 0.3 | 3.5 |
| 02/02/2022 08:00 | 2.1 | 2.8 | 0.0 | 0.0 | 3.3 |
| 02/02/2022 16:00 | 1.6 | 1.8 | 0.1 | 0.0 | 3.7 |
| 02/02/2022 17:00 | 1.6 | 3.0 | 0.2 | 0.4 | 3.7 |
| 02/02/2022 18:00 | 1.8 | 2.7 | 0.0 | 0.0 | 3.6 |
| 02/02/2022 20:00 | 1.9 | 1.9 | 0.0 | 0.0 | 3.6 |
| 02/03/2022 06:00 | 1.8 | 2.2 | 0.0 | 0.0 | 3.3 |
| 02/03/2022 07:00 | 2.0 | 0.4 | 0.0 | 0.0 | 3.6 |
| 02/03/2022 16:00 | 1.3 | 1.2 | 0.1 | 0.0 | 4.0 |
| 02/03/2022 17:00 | 1.4 | 2.6 | 0.2 | 0.2 | 3.7 |
| 02/03/2022 18:00 | 1.5 | 2.1 | 0.1 | 0.1 | 4.3 |
| 02/03/2022 19:00 | 1.5 | 2.0 | 0.2 | 0.2 | 3.8 |
| 02/03/2022 20:00 | 1.5 | 1.9 | 0.3 | 0.2 | 3.8 |
| 02/03/2022 21:00 | 1.5 | 2.5 | 0.1 | 0.2 | 3.6 |
| 02/03/2022 22:00 | 1.5 | 2.6 | 0.1 | 0.2 | 3.5 |
| 02/03/2022 23:00 | 1.5 | 1.1 | 0.0 | 0.0 | 3.5 |
| 02/04/2022 06:00 | 1.4 | 2.5 | 0.3 | 0.3 | 2.7 |
| 02/04/2022 07:00 | 1.7 | 2.9 | 0.1 | 0.2 | 3.4 |
| 02/04/2022 08:00 | 1.7 | 2.6 | 0.1 | 0.1 | 3.6 |
| 02/04/2022 09:00 | 1.5 | 0.6 | 0.1 | 0.0 | 4.2 |
| 02/04/2022 16:00 | 1.4 | 1.9 | 0.3 | 0.3 | 3.1 |
| 02/04/2022 17:00 | 1.5 | 2.8 | 0.5 | 0.8 | 3.3 |
| 02/04/2022 18:00 | 1.5 | 2.0 | 0.1 | 0.1 | 3.9 |
| 02/04/2022 19:00 | 1.5 | 2.5 | 0.2 | 0.2 | 3.9 |
| 02/04/2022 20:00 | 1.5 | 2.0 | 0.1 | 0.1 | 3.7 |
| 02/04/2022 21:00 | 1.5 | 2.8 | 0.3 | 0.4 | 3.7 |
| 02/04/2022 22:00 | 1.6 | 2.4 | 0.1 | 0.1 | 3.8 |
| 02/05/2022 16:00 | 1.5 | 1.5 | 0.2 | 0.1 | 3.0 |

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|------------------|-----|-----|-----|-----|-----|
| 02/05/2022 18:00 | 1.5 | 1.0 | 0.5 | 0.2 | 3.1 |
| 02/05/2022 20:00 | 1.5 | 1.5 | 0.1 | 0.1 | 3.9 |
| 02/06/2022 16:00 | 1.5 | 1.5 | 0.2 | 0.1 | 3.0 |
| 02/06/2022 18:00 | 1.5 | 1.5 | 0.2 | 0.1 | 3.1 |
| 02/06/2022 20:00 | 1.5 | 1.5 | 0.1 | 0.1 | 3.9 |
| 02/07/2022 16:00 | 0.9 | 0.1 | 0.4 | 0.0 | 3.5 |
| 02/07/2022 17:00 | 1.5 | 2.1 | 0.2 | 0.1 | 3.2 |
| 02/07/2022 18:00 | 1.6 | 2.5 | 0.2 | 0.3 | 3.8 |
| 02/07/2022 19:00 | 1.4 | 2.1 | 0.1 | 0.1 | 4.1 |
| 02/07/2022 20:00 | 1.5 | 2.7 | 0.2 | 0.3 | 3.9 |
| 02/07/2022 21:00 | 1.6 | 3.1 | 0.2 | 0.3 | 3.7 |
| 02/07/2022 22:00 | 1.6 | 2.5 | 0.2 | 0.2 | 3.6 |
| 02/08/2022 10:00 | 1.5 | 3.4 | 0.5 | 0.7 | 2.5 |
| 02/08/2022 11:00 | 1.5 | 3.6 | 0.6 | 0.9 | 2.8 |
| 02/08/2022 12:00 | 1.4 | 0.4 | 0.4 | 0.1 | 3.3 |
| 02/08/2022 16:00 | 2.0 | 0.7 | 1.4 | 0.4 | 3.2 |
| 02/08/2022 17:00 | 1.5 | 2.6 | 0.3 | 0.3 | 3.6 |
| 02/08/2022 18:00 | 1.5 | 2.6 | 0.5 | 0.9 | 3.3 |
| 02/08/2022 19:00 | 1.5 | 2.7 | 0.3 | 0.3 | 3.3 |
| 02/08/2022 20:00 | 1.5 | 2.8 | 0.3 | 0.4 | 3.7 |
| 02/08/2022 21:00 | 1.5 | 2.1 | 0.2 | 0.1 | 4.1 |
| 02/08/2022 22:00 | 1.5 | 2.6 | 0.3 | 0.3 | 3.8 |
| 02/08/2022 23:00 | 1.5 | 2.2 | 0.2 | 0.1 | 3.7 |
| 02/09/2022 16:00 | 1.5 | 1.4 | 0.2 | 0.1 | 3.9 |
| 02/09/2022 17:00 | 1.5 | 2.6 | 0.4 | 0.5 | 3.8 |
| 02/09/2022 18:00 | 1.4 | 2.0 | 0.2 | 0.2 | 3.7 |
| 02/09/2022 19:00 | 1.5 | 2.7 | 0.3 | 0.3 | 3.7 |
| 02/09/2022 20:00 | 1.5 | 1.9 | 0.2 | 0.1 | 3.9 |
| 02/09/2022 21:00 | 1.5 | 2.9 | 0.3 | 0.3 | 3.6 |
| 02/09/2022 22:00 | 1.5 | 2.7 | 0.3 | 0.5 | 4.1 |
| 02/09/2022 23:00 | 1.5 | 0.9 | 0.2 | 0.1 | 4.8 |
| 02/10/2022 18:00 | 1.6 | 1.1 | 0.4 | 0.2 | 3.5 |
| 02/10/2022 19:00 | 1.5 | 2.5 | 0.5 | 0.6 | 3.5 |
| 02/10/2022 20:00 | 1.5 | 3.7 | 0.5 | 0.8 | 3.3 |
| 02/10/2022 21:00 | 1.4 | 1.0 | 0.3 | 0.1 | 4.1 |
| 02/11/2022 07:00 | 1.6 | 2.0 | 0.8 | 0.6 | 2.4 |
| 02/11/2022 08:00 | 1.5 | 4.4 | 0.5 | 1.0 | 2.5 |
| 02/11/2022 09:00 | 1.5 | 4.3 | 0.5 | 0.9 | 2.7 |
| 02/11/2022 10:00 | 1.5 | 4.2 | 0.5 | 0.9 | 2.6 |
| 02/11/2022 11:00 | 1.5 | 4.2 | 0.5 | 0.9 | 2.7 |
| 02/11/2022 12:00 | 1.5 | 4.3 | 0.5 | 0.8 | 2.7 |
| 02/11/2022 13:00 | 1.5 | 4.2 | 0.5 | 0.8 | 2.7 |
| 02/11/2022 14:00 | 1.5 | 4.4 | 0.4 | 0.8 | 2.6 |
| 02/11/2022 15:00 | 1.5 | 4.2 | 0.4 | 0.8 | 2.6 |
| 02/11/2022 16:00 | 1.5 | 4.5 | 0.6 | 1.0 | 2.7 |
| 02/11/2022 17:00 | 1.5 | 4.2 | 0.5 | 0.8 | 2.9 |
| 02/11/2022 18:00 | 1.5 | 2.0 | 0.1 | 0.1 | 3.5 |
| 02/11/2022 19:00 | 1.6 | 3.3 | 0.3 | 0.4 | 3.5 |
| 02/11/2022 20:00 | 1.4 | 1.9 | 0.1 | 0.1 | 3.6 |
| 02/11/2022 21:00 | 1.5 | 2.7 | 0.2 | 0.2 | 3.9 |
| 02/11/2022 22:00 | 1.5 | 2.0 | 0.1 | 0.1 | 4.4 |
| 02/12/2022 16:00 | 1.5 | 1.9 | 0.2 | 0.1 | 3.7 |
| 02/12/2022 17:00 | 1.5 | 2.4 | 0.3 | 0.2 | 3.7 |
| 02/12/2022 18:00 | 1.5 | 1.5 | 0.2 | 0.1 | 3.6 |
| 02/12/2022 19:00 | 1.5 | 2.3 | 0.4 | 0.4 | 3.2 |
| 02/12/2022 20:00 | 1.5 | 2.0 | 0.1 | 0.1 | 3.3 |
| 02/12/2022 21:00 | 1.5 | 2.8 | 0.2 | 0.3 | 3.2 |
| 02/12/2022 22:00 | 1.5 | 2.5 | 0.2 | 0.2 | 3.7 |
| 02/12/2022 23:00 | 1.5 | 0.9 | 0.1 | 0.0 | 4.1 |
| 02/13/2022 16:00 | 1.5 | 1.5 | 0.2 | 0.1 | 3.7 |
| 02/13/2022 17:00 | 1.5 | 2.6 | 0.2 | 0.3 | 3.7 |
| 02/13/2022 18:00 | 1.5 | 2.0 | 0.2 | 0.1 | 3.5 |
| 02/13/2022 19:00 | 1.5 | 2.7 | 0.2 | 0.3 | 3.6 |
| 02/13/2022 20:00 | 1.5 | 1.9 | 0.1 | 0.1 | 3.7 |
| 02/13/2022 21:00 | 1.5 | 2.6 | 0.2 | 0.2 | 3.7 |
| 02/13/2022 22:00 | 1.6 | 2.9 | 0.2 | 0.2 | 4.2 |
| 02/13/2022 23:00 | 1.5 | 1.0 | 0.1 | 0.0 | 4.2 |
| 02/14/2022 16:00 | 1.4 | 0.2 | 0.7 | 0.1 | 2.7 |
| 02/14/2022 17:00 | 1.5 | 2.0 | 0.2 | 0.1 | 3.4 |
| 02/14/2022 18:00 | 1.5 | 2.5 | 0.3 | 0.3 | 3.3 |
| 02/14/2022 19:00 | 1.4 | 2.0 | 0.2 | 0.1 | 3.3 |
| 02/14/2022 20:00 | 1.5 | 2.5 | 0.2 | 0.2 | 3.3 |
| 02/14/2022 21:00 | 1.5 | 1.2 | 0.4 | 0.2 | 3.3 |
| 02/15/2022 16:00 | 1.5 | 1.5 | 0.1 | 0.1 | 3.1 |
| 02/15/2022 17:00 | 1.5 | 2.7 | 0.3 | 0.3 | 3.6 |
| 02/15/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.1 | 3.2 |
| 02/15/2022 19:00 | 1.5 | 2.0 | 0.2 | 0.1 | 3.3 |

| | | | | | |
|------------------|-----|-----|-----|-----|-----|
| 02/15/2022 20:00 | 1.5 | 2.0 | 0.1 | 0.1 | 3.7 |
| 02/16/2022 06:00 | 1.6 | 1.6 | 0.1 | 0.1 | 3.7 |
| 02/16/2022 07:00 | 1.5 | 0.9 | 0.1 | 0.0 | 4.4 |
| 02/16/2022 16:00 | 1.5 | 1.5 | 0.2 | 0.1 | 3.6 |
| 02/16/2022 17:00 | 1.5 | 2.8 | 0.6 | 1.0 | 3.7 |
| 02/16/2022 18:00 | 1.5 | 2.0 | 0.2 | 0.2 | 3.5 |
| 02/16/2022 19:00 | 1.5 | 2.5 | 0.3 | 0.3 | 3.5 |
| 02/16/2022 20:00 | 1.5 | 2.0 | 0.2 | 0.2 | 3.4 |
| 02/16/2022 21:00 | 1.5 | 2.9 | 0.3 | 0.5 | 3.7 |
| 02/16/2022 22:00 | 1.4 | 2.0 | 0.2 | 0.2 | 4.1 |
| 02/17/2022 16:00 | 1.6 | 0.8 | 0.5 | 0.1 | 3.5 |
| 02/17/2022 17:00 | 1.5 | 2.7 | 0.5 | 0.7 | 3.7 |
| 02/17/2022 18:00 | 1.5 | 2.0 | 0.3 | 0.2 | 3.4 |
| 02/17/2022 19:00 | 1.5 | 2.5 | 0.3 | 0.3 | 3.4 |
| 02/17/2022 20:00 | 1.5 | 2.0 | 0.2 | 0.2 | 3.3 |
| 02/17/2022 21:00 | 1.5 | 2.6 | 0.3 | 0.4 | 3.8 |
| 02/17/2022 22:00 | 1.5 | 2.0 | 0.2 | 0.2 | 3.9 |
| 02/18/2022 06:00 | 1.7 | 1.5 | 0.1 | 0.1 | 3.6 |
| 02/18/2022 17:00 | 1.5 | 1.5 | 0.3 | 0.2 | 3.4 |
| 02/18/2022 18:00 | 1.5 | 2.4 | 0.4 | 0.4 | 3.4 |
| 02/18/2022 19:00 | 1.5 | 2.7 | 0.4 | 0.5 | 3.5 |
| 02/18/2022 20:00 | 1.4 | 2.0 | 0.3 | 0.2 | 3.4 |
| 02/18/2022 21:00 | 1.4 | 0.4 | 0.3 | 0.0 | 3.3 |
| 02/19/2022 17:00 | 1.5 | 1.7 | 0.3 | 0.2 | 3.5 |
| 02/19/2022 18:00 | 1.5 | 2.0 | 0.3 | 0.2 | 3.5 |
| 02/19/2022 19:00 | 1.5 | 1.5 | 0.3 | 0.2 | 3.5 |
| 02/19/2022 20:00 | 1.5 | 1.2 | 0.6 | 0.3 | 3.6 |
| 02/20/2022 16:00 | 1.6 | 0.5 | 0.4 | 0.1 | 3.0 |
| 02/20/2022 17:00 | 1.5 | 1.0 | 0.4 | 0.1 | 3.3 |
| 02/21/2022 17:00 | 1.5 | 1.7 | 0.4 | 0.2 | 3.2 |
| 02/21/2022 18:00 | 1.5 | 2.0 | 0.4 | 0.3 | 3.2 |
| 02/21/2022 19:00 | 1.5 | 1.9 | 0.4 | 0.3 | 3.1 |
| 02/21/2022 20:00 | 1.5 | 0.6 | 0.5 | 0.1 | 3.7 |
| 02/22/2022 06:00 | 1.6 | 1.7 | 0.4 | 0.2 | 3.0 |
| 02/22/2022 07:00 | 1.4 | 1.9 | 0.8 | 0.7 | 3.9 |
| 02/22/2022 15:00 | 1.7 | 1.6 | 0.5 | 0.3 | 3.1 |
| 02/22/2022 16:00 | 1.5 | 2.4 | 0.4 | 0.4 | 3.5 |
| 02/22/2022 17:00 | 1.4 | 1.9 | 0.4 | 0.3 | 3.6 |
| 02/22/2022 18:00 | 1.3 | 1.8 | 0.4 | 0.3 | 4.5 |
| 02/22/2022 19:00 | 1.3 | 1.8 | 0.4 | 0.3 | 4.4 |
| 02/22/2022 20:00 | 1.3 | 1.8 | 0.3 | 0.3 | 4.3 |
| 02/22/2022 21:00 | 1.3 | 1.3 | 0.5 | 0.3 | 4.4 |
| 02/23/2022 06:00 | 1.3 | 2.9 | 0.7 | 1.0 | 2.7 |
| 02/23/2022 07:00 | 1.5 | 3.0 | 0.9 | 1.1 | 2.9 |
| 02/23/2022 08:00 | 1.7 | 0.5 | 0.4 | 0.1 | 3.2 |
| 02/23/2022 17:00 | 1.6 | 5.1 | 1.0 | 2.1 | 2.7 |
| 02/23/2022 18:00 | 1.5 | 2.3 | 0.3 | 0.3 | 3.5 |
| 02/23/2022 19:00 | 1.4 | 4.9 | 1.0 | 2.2 | 3.3 |
| 02/23/2022 20:00 | 1.5 | 5.0 | 0.9 | 2.0 | 2.9 |
| 02/23/2022 21:00 | 1.5 | 3.5 | 1.0 | 1.6 | 3.2 |
| 02/24/2022 06:00 | 1.4 | 3.3 | 0.7 | 1.1 | 3.0 |
| 02/24/2022 07:00 | 1.6 | 1.7 | 0.6 | 0.4 | 3.2 |
| 02/24/2022 17:00 | 1.4 | 2.5 | 0.6 | 0.7 | 2.9 |
| 02/24/2022 18:00 | 1.4 | 1.8 | 0.3 | 0.3 | 3.7 |
| 02/24/2022 19:00 | 1.2 | 3.7 | 0.7 | 1.3 | 3.3 |
| 02/24/2022 20:00 | 1.4 | 0.4 | 0.3 | 0.1 | 3.9 |
| 02/25/2022 06:00 | 1.7 | 1.5 | 0.3 | 0.2 | 3.6 |
| 02/25/2022 17:00 | 1.5 | 1.2 | 0.4 | 0.2 | 3.1 |
| 02/25/2022 18:00 | 1.5 | 1.9 | 0.6 | 0.4 | 3.4 |
| 02/25/2022 19:00 | 1.5 | 2.0 | 0.4 | 0.3 | 3.8 |
| 02/25/2022 20:00 | 1.5 | 2.0 | 0.4 | 0.3 | 4.4 |
| 02/26/2022 17:00 | 1.5 | 2.4 | 0.5 | 0.5 | 3.1 |
| 02/26/2022 18:00 | 1.5 | 2.1 | 0.4 | 0.4 | 3.1 |
| 02/26/2022 19:00 | 1.5 | 2.2 | 0.5 | 0.4 | 3.2 |
| 02/26/2022 20:00 | 1.5 | 1.5 | 0.4 | 0.2 | 4.0 |
| 02/27/2022 17:00 | 1.5 | 2.1 | 0.4 | 0.3 | 3.3 |
| 02/27/2022 18:00 | 1.5 | 2.0 | 0.4 | 0.3 | 3.3 |
| 02/27/2022 19:00 | 1.5 | 2.0 | 0.4 | 0.3 | 3.1 |
| 02/28/2022 06:00 | 1.6 | 1.5 | 0.4 | 0.2 | 3.7 |
| 02/28/2022 17:00 | 1.5 | 2.1 | 0.4 | 0.3 | 3.4 |
| 02/28/2022 18:00 | 1.5 | 2.0 | 0.4 | 0.3 | 3.3 |
| 02/28/2022 19:00 | 1.5 | 1.4 | 0.4 | 0.2 | 3.1 |
| 02/28/2022 20:00 | 1.5 | 1.9 | 0.6 | 0.4 | 3.5 |
| 03/01/2022 06:00 | 1.4 | 1.4 | 0.3 | 0.2 | 3.7 |
| 03/01/2022 07:00 | 1.5 | 1.9 | 0.3 | 0.2 | 3.9 |
| 03/01/2022 08:00 | 1.2 | 0.8 | 0.4 | 0.1 | 4.1 |
| 03/01/2022 17:00 | 1.5 | 1.5 | 0.4 | 0.2 | 3.6 |

| | | | | | |
|-----------------------|------------------|------------------|------------------|------------------|------------------|
| 03/01/2022 18:00 | 1.5 | 2.1 | 0.4 | 0.3 | 3.2 |
| 03/01/2022 19:00 | 1.5 | 2.0 | 0.3 | 0.3 | 3.4 |
| 03/01/2022 20:00 | 1.5 | 1.9 | 0.4 | 0.3 | 3.4 |
| 03/04/2022 08:00 | 1.4 | 3.2 | 1.3 | 1.9 | 3.0 |
| 03/04/2022 09:00 | 1.6 | 1.0 | 0.4 | 0.1 | 3.1 |
| 03/07/2022 17:00 | 2.0 | 1.2 | 1.6 | 0.7 | 3.4 |
| 03/07/2022 18:00 | 1.4 | 2.6 | 0.5 | 0.6 | 3.1 |
| 03/07/2022 19:00 | 1.4 | 1.2 | 0.5 | 0.2 | 3.4 |
| 03/14/2022 07:00 | 1.6 | 0.7 | 0.7 | 0.2 | 2.7 |
| 03/14/2022 08:00 | 1.5 | 2.9 | 0.8 | 0.9 | 2.6 |
| 03/14/2022 09:00 | 1.5 | 1.7 | 0.6 | 0.4 | 3.1 |
| 03/14/2022 15:00 | 1.4 | 0.2 | 0.8 | 0.1 | 1.8 |
| 03/14/2022 16:00 | 1.5 | 2.2 | 0.7 | 0.5 | 2.7 |
| 03/14/2022 18:00 | 1.4 | 2.4 | 0.7 | 0.6 | 2.6 |
| 03/14/2022 19:00 | 1.6 | 0.5 | 0.6 | 0.1 | 2.7 |
| 03/19/2022 07:00 | 1.0 | 0.2 | 0.9 | 0.1 | 2.8 |
| 03/19/2022 08:00 | 1.4 | 2.8 | 0.6 | 0.7 | 2.9 |
| 03/19/2022 09:00 | 1.3 | 2.5 | 0.6 | 0.7 | 3.5 |
| 03/19/2022 10:00 | 1.3 | 1.8 | 0.6 | 0.5 | 4.2 |
| 03/19/2022 11:00 | 1.3 | 1.8 | 0.6 | 0.5 | 4.2 |
| 03/19/2022 12:00 | 1.3 | 1.8 | 0.6 | 0.5 | 4.2 |
| 03/19/2022 13:00 | 1.3 | 1.9 | 0.6 | 0.5 | 4.2 |
| 03/19/2022 14:00 | 1.3 | 1.9 | 0.6 | 0.5 | 4.2 |
| 03/19/2022 15:00 | 1.3 | 1.9 | 0.6 | 0.5 | 3.8 |
| 03/19/2022 16:00 | 1.5 | 2.1 | 0.6 | 0.5 | 2.9 |
| 03/19/2022 17:00 | 1.5 | 2.2 | 0.6 | 0.5 | 2.9 |
| 03/19/2022 18:00 | 1.5 | 2.2 | 0.6 | 0.5 | 2.9 |
| 03/19/2022 19:00 | 1.5 | 2.8 | 0.8 | 1.1 | 3.1 |
| 03/19/2022 20:00 | 1.2 | 0.9 | 1.9 | 0.9 | 3.8 |
| 03/29/2022 15:00 | 1.5 | 1.4 | 0.7 | 0.4 | 3.0 |
| 03/29/2022 16:00 | 1.4 | 0.4 | 1.1 | 0.2 | 2.9 |
| 03/29/2022 17:00 | 1.5 | 0.7 | 0.7 | 0.2 | 3.2 |
| 03/29/2022 18:00 | 1.5 | 3.9 | 1.7 | 3.2 | 3.3 |
| 03/29/2022 19:00 | 1.4 | 2.5 | 2.2 | 2.2 | 2.7 |
| Final Average* | 1.5 | 2.1 | 0.3 | 0.3 | 3.6 |
| Maximum* | 2.2 | 5.1 | 2.2 | 3.2 | 4.8 |
| | 01/29/2022 21:00 | 02/23/2022 17:00 | 03/29/2022 19:00 | 03/29/2022 18:00 | 02/09/2022 23:00 |
| Minimum* | 0.9 | 0.1 | 0.0 | 0.0 | 1.8 |
| | 02/07/2022 16:00 | 02/07/2022 16:00 | 02/03/2022 23:00 | 02/18/2022 21:00 | 03/14/2022 15:00 |

* Does not include Invalid Averaging Periods ("N/A")

Average Values Report
Generated: 4/1/2022 08:30

Company: NRG Carlsbad
Plant: 4600 Carlsbad Blvd
City/St: Carlsbad, CA 92008
Source: 10

Period Start: 1/1/2022 00:00
Period End: 3/31/2022 23:59
Validation Type: 1/60 min
Averaging Period: 1 hr
Type: Block Avg

| Period Start: | Average | Average | Average | Average | Average |
|------------------|-------------------|-------------------|------------------|-------------------|-------------------|
| | 10NOxCrOP1 ppm | 10NOX#OP1H LBS | 10COCrOP1 ppm | 10CO#OP1HR LBS | 10NH3CrNS1 ppm |
| 01/25/2022 10:00 | 1.3 | 1.7 | 1.2 | 1.0 | 1.2 |
| 01/25/2022 11:00 | 1.5 | 4.6 | 1.7 | 3.3 | 1.1 |
| 01/25/2022 12:00 | 1.5 | 4.8 | 2.1 | 4.0 | 1.2 |
| 01/25/2022 13:00 | 1.5 | 4.8 | 1.3 | 2.4 | 1.2 |
| 01/25/2022 14:00 | 1.5 | 4.8 | 1.3 | 2.6 | 1.4 |
| 01/25/2022 15:00 | 1.5 | 4.8 | 1.8 | 3.6 | 1.3 |
| 02/01/2022 15:00 | 1.7 | 1.0 | 1.4 | 0.6 | 3.1 |
| 02/01/2022 16:00 | 1.1 | 2.2 | 0.7 | 1.1 | 3.5 |
| 02/01/2022 17:00 | 1.4 | 2.2 | 0.3 | 0.3 | 2.7 |
| 02/01/2022 18:00 | 1.6 | 2.2 | 0.3 | 0.3 | 3.2 |
| 02/01/2022 19:00 | 1.5 | 1.1 | 0.3 | 0.1 | 3.2 |
| 02/01/2022 20:00 | 1.6 | 0.5 | 0.3 | 0.1 | 2.9 |
| 02/01/2022 21:00 | 1.6 | 1.1 | 0.3 | 0.1 | 3.1 |
| 02/02/2022 17:00 | 1.3 | 0.8 | 0.2 | 0.1 | 2.8 |
| 02/02/2022 18:00 | 1.5 | 0.7 | 0.2 | 0.0 | 2.8 |
| 02/03/2022 06:00 | 1.6 | 0.8 | 0.3 | 0.1 | 3.4 |
| 02/03/2022 07:00 | 0.9 | 0.6 | 0.1 | 0.1 | 4.1 |
| 02/07/2022 17:00 | 1.5 | 1.9 | 0.2 | 0.1 | 2.9 |
| 02/07/2022 18:00 | 1.5 | 2.1 | 0.1 | 0.1 | 2.8 |
| 02/07/2022 19:00 | 1.6 | 0.5 | 0.1 | 0.0 | 3.1 |
| 02/08/2022 17:00 | 1.5 | 2.1 | 0.2 | 0.1 | 2.9 |
| 02/08/2022 18:00 | 1.6 | 2.2 | 0.2 | 0.1 | 3.0 |
| 02/09/2022 17:00 | 1.5 | 2.1 | 0.2 | 0.1 | 2.9 |
| 02/09/2022 18:00 | 1.5 | 2.2 | 0.2 | 0.1 | 3.2 |
| 02/10/2022 17:00 | 1.6 | 2.1 | 0.2 | 0.1 | 2.7 |
| 02/10/2022 18:00 | 1.5 | 2.0 | 0.2 | 0.1 | 3.3 |
| 02/11/2022 17:00 | 1.5 | 1.2 | 0.3 | 0.1 | 2.3 |
| 02/11/2022 18:00 | 1.5 | 2.2 | 0.3 | 0.2 | 2.2 |
| 02/15/2022 17:00 | 1.6 | 2.2 | 0.3 | 0.3 | 2.5 |
| 02/15/2022 18:00 | 1.5 | 2.2 | 0.3 | 0.3 | 2.7 |
| 02/15/2022 19:00 | 1.5 | 0.5 | 0.3 | 0.1 | 2.8 |
| 02/17/2022 17:00 | 1.5 | 0.5 | 0.1 | 0.0 | 1.7 |
| 02/17/2022 18:00 | 1.5 | 2.2 | 0.1 | 0.1 | 2.1 |
| 02/19/2022 17:00 | 1.5 | 2.1 | 0.1 | 0.1 | 2.0 |
| 02/19/2022 18:00 | 1.5 | 2.2 | 0.1 | 0.1 | 2.0 |
| 02/20/2022 16:00 | 1.5 | 0.5 | 0.1 | 0.0 | 1.7 |
| 02/20/2022 17:00 | 1.5 | 1.0 | 0.1 | 0.1 | 2.2 |
| 02/21/2022 21:00 | 1.5 | 1.4 | 0.1 | 0.0 | 2.3 |
| 02/22/2022 06:00 | 1.4 | 1.0 | 0.4 | 0.2 | 2.1 |
| 02/22/2022 07:00 | 1.7 | 0.1 | 0.1 | 0.0 | 3.6 |
| 02/22/2022 17:00 | 1.5 | 1.5 | 0.1 | 0.1 | 2.3 |
| 02/22/2022 18:00 | 1.3 | 1.9 | 0.1 | 0.1 | 2.7 |
| 02/22/2022 19:00 | 1.3 | 2.0 | 0.1 | 0.1 | 2.7 |
| 02/22/2022 20:00 | 1.4 | 2.6 | 2.0 | 3.0 | 2.4 |
| 02/23/2022 06:00 | 1.4 | 3.5 | 3.3 | 5.2 | 2.1 |
| 02/23/2022 07:00 | 1.5 | 3.6 | 2.7 | 4.2 | 1.8 |
| 02/23/2022 17:00 | 1.5 | 3.5 | 1.0 | 1.8 | 1.9 |
| 02/23/2022 18:00 | 1.4 | 4.1 | 1.3 | 2.5 | 1.6 |
| 02/23/2022 19:00 | 1.5 | 4.5 | 1.2 | 2.4 | 1.2 |
| 02/23/2022 20:00 | 1.5 | 1.0 | 1.2 | 0.5 | 1.3 |
| 02/24/2022 06:00 | 1.5 | 4.0 | 2.1 | 3.4 | 2.1 |
| 02/24/2022 07:00 | 1.3 | 1.0 | 0.6 | 0.3 | 2.3 |
| 02/25/2022 17:00 | 1.4 | 1.8 | 0.1 | 0.1 | 2.6 |
| 02/26/2022 17:00 | 1.4 | 0.1 | 0.1 | 0.0 | 2.5 |
| 02/26/2022 18:00 | 1.5 | 1.6 | 0.2 | 0.1 | 2.5 |
| 02/26/2022 19:00 | 1.4 | 1.4 | 0.2 | 0.1 | 2.4 |
| 02/27/2022 18:00 | 1.5 | 1.4 | 0.1 | 0.1 | 2.5 |
| 02/28/2022 17:00 | 1.5 | 2.1 | 0.2 | 0.1 | 2.3 |
| 02/28/2022 18:00 | 1.5 | 2.2 | 0.2 | 0.2 | 2.9 |
| 02/28/2022 19:00 | 1.5 | 1.6 | 0.1 | 0.1 | 2.9 |
| 03/01/2022 13:00 | 1.3 | 2.1 | 0.6 | 0.8 | 2.4 |
| 03/01/2022 14:00 | 1.2 | 0.3 | 0.2 | 0.0 | 3.5 |
| 03/01/2022 15:00 | 1.4 | 2.2 | 2.5 | 2.5 | 2.4 |
| 03/01/2022 16:00 | 1.3 | 1.8 | 0.2 | 0.2 | 2.7 |
| 03/01/2022 17:00 | 1.5 | 2.5 | 0.4 | 0.6 | 2.5 |

| | | | | | |
|------------------|-----|-----|-----|-----|-----|
| 03/01/2022 18:00 | 1.5 | 2.1 | 0.1 | 0.1 | 2.5 |
| 03/01/2022 19:00 | 1.5 | 2.1 | 0.1 | 0.1 | 2.5 |
| 03/01/2022 20:00 | 1.5 | 1.0 | 0.1 | 0.0 | 2.7 |
| 03/02/2022 17:00 | 1.5 | 1.4 | 0.2 | 0.1 | 2.7 |
| 03/02/2022 18:00 | 1.5 | 1.5 | 0.2 | 0.1 | 3.0 |
| 03/02/2022 19:00 | 1.5 | 1.7 | 0.2 | 0.1 | 3.0 |
| 03/03/2022 17:00 | 1.5 | 1.5 | 0.2 | 0.1 | 2.6 |
| 03/03/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.2 | 2.6 |
| 03/04/2022 08:00 | 2.0 | 0.9 | 0.5 | 0.1 | 1.4 |
| 03/04/2022 09:00 | 1.4 | 2.4 | 1.0 | 1.4 | 2.7 |
| 03/04/2022 12:00 | 1.5 | 3.2 | 1.3 | 1.6 | 1.7 |
| 03/04/2022 13:00 | 1.6 | 4.0 | 1.0 | 1.9 | 1.9 |
| 03/04/2022 14:00 | 1.4 | 3.6 | 0.9 | 1.7 | 2.2 |
| 03/04/2022 15:00 | 1.5 | 4.1 | 1.2 | 2.3 | 1.9 |
| 03/05/2022 17:00 | 1.6 | 2.1 | 0.2 | 0.1 | 2.6 |
| 03/05/2022 18:00 | 1.5 | 1.0 | 0.2 | 0.1 | 2.6 |
| 03/06/2022 18:00 | 1.4 | 2.4 | 1.5 | 2.0 | 2.6 |
| 03/07/2022 17:00 | 1.5 | 2.8 | 0.4 | 0.6 | 2.5 |
| 03/07/2022 18:00 | 1.6 | 1.7 | 0.1 | 0.1 | 2.7 |
| 03/07/2022 19:00 | 1.5 | 1.4 | 0.2 | 0.1 | 3.0 |
| 03/07/2022 21:00 | 1.6 | 1.5 | 0.2 | 0.1 | 2.7 |
| 03/07/2022 22:00 | 1.4 | 0.4 | 0.2 | 0.0 | 2.3 |
| 03/08/2022 06:00 | 1.5 | 1.4 | 0.1 | 0.1 | 2.6 |
| 03/08/2022 17:00 | 1.6 | 0.5 | 0.1 | 0.0 | 2.6 |
| 03/08/2022 18:00 | 1.5 | 2.1 | 0.1 | 0.1 | 2.6 |
| 03/08/2022 19:00 | 1.4 | 2.2 | 0.2 | 0.3 | 2.7 |
| 03/08/2022 20:00 | 1.5 | 2.3 | 0.2 | 0.2 | 2.6 |
| 03/09/2022 06:00 | 1.6 | 0.5 | 0.1 | 0.0 | 2.3 |
| 03/09/2022 07:00 | 1.5 | 1.0 | 0.1 | 0.0 | 2.6 |
| 03/09/2022 17:00 | 1.5 | 2.5 | 0.5 | 0.9 | 2.9 |
| 03/09/2022 18:00 | 1.4 | 3.4 | 0.9 | 1.6 | 2.5 |
| 03/09/2022 19:00 | 1.6 | 1.6 | 1.0 | 0.9 | 2.6 |
| 03/10/2022 06:00 | 1.8 | 0.8 | 0.3 | 0.1 | 2.1 |
| 03/10/2022 17:00 | 1.5 | 2.0 | 0.1 | 0.1 | 2.8 |
| 03/10/2022 18:00 | 1.5 | 2.0 | 0.2 | 0.1 | 2.8 |
| 03/10/2022 19:00 | 1.5 | 1.4 | 0.2 | 0.1 | 2.7 |
| 03/11/2022 17:00 | 2.0 | 0.7 | 0.3 | 0.1 | 3.0 |
| 03/11/2022 18:00 | 1.3 | 3.7 | 1.7 | 3.3 | 2.4 |
| 03/12/2022 18:00 | 1.3 | 1.2 | 0.3 | 0.2 | 3.0 |
| 03/14/2022 05:00 | 1.6 | 0.5 | 0.3 | 0.1 | 2.4 |
| 03/14/2022 06:00 | 1.5 | 0.9 | 0.3 | 0.1 | 2.6 |
| 03/14/2022 07:00 | 1.6 | 0.8 | 0.4 | 0.1 | 2.1 |
| 03/14/2022 08:00 | 1.4 | 4.3 | 1.8 | 3.7 | 2.3 |
| 03/14/2022 09:00 | 1.4 | 4.6 | 1.8 | 3.7 | 2.2 |
| 03/14/2022 17:00 | 1.4 | 3.6 | 0.6 | 0.9 | 1.9 |
| 03/14/2022 18:00 | 1.4 | 2.4 | 0.2 | 0.2 | 2.8 |
| 03/14/2022 19:00 | 1.3 | 0.9 | 0.2 | 0.1 | 3.4 |
| 03/16/2022 05:00 | 0.5 | 0.0 | 0.6 | 0.0 | 1.5 |
| 03/16/2022 06:00 | 1.6 | 0.6 | 0.4 | 0.1 | 1.4 |
| 03/16/2022 08:00 | 1.5 | 2.4 | 1.8 | 2.4 | 1.9 |
| 03/17/2022 05:00 | 1.3 | 0.8 | 0.3 | 0.1 | 2.1 |
| 03/17/2022 06:00 | 1.4 | 3.4 | 1.4 | 2.8 | 2.2 |
| 03/17/2022 07:00 | 1.4 | 3.8 | 2.1 | 4.3 | 2.4 |
| 03/17/2022 08:00 | 1.3 | 4.0 | 1.5 | 3.1 | 2.0 |
| 03/17/2022 09:00 | 1.4 | 4.8 | 1.8 | 3.7 | 1.9 |
| 03/17/2022 10:00 | 1.4 | 4.0 | 1.3 | 2.4 | 1.6 |
| 03/17/2022 11:00 | 1.0 | 0.6 | 1.7 | 0.7 | 1.7 |
| 03/17/2022 12:00 | 1.4 | 1.1 | 2.1 | 1.1 | 2.2 |
| 03/17/2022 13:00 | 1.3 | 4.4 | 1.8 | 3.7 | 2.0 |
| 03/17/2022 14:00 | 1.3 | 4.2 | 1.8 | 3.5 | 1.7 |
| 03/17/2022 15:00 | 1.5 | 5.1 | 2.1 | 4.5 | 2.2 |
| 03/17/2022 16:00 | 1.1 | 0.8 | 1.6 | 0.7 | 2.0 |
| 03/17/2022 17:00 | 1.3 | 0.9 | 1.5 | 0.7 | 2.3 |
| 03/17/2022 18:00 | 1.5 | 2.1 | 0.2 | 0.2 | 1.9 |
| 03/17/2022 19:00 | 1.4 | 4.5 | 2.9 | 5.9 | 2.3 |
| 03/17/2022 20:00 | 1.5 | 3.0 | 2.7 | 4.1 | 1.8 |
| 03/18/2022 07:00 | 1.3 | 1.9 | 3.5 | 3.1 | 2.2 |
| 03/18/2022 08:00 | 1.6 | 5.4 | 3.1 | 6.5 | 1.9 |
| 03/18/2022 09:00 | 1.6 | 4.3 | 1.5 | 2.9 | 2.2 |
| 03/18/2022 10:00 | 1.4 | 1.5 | 0.4 | 0.3 | 1.9 |
| 03/18/2022 14:00 | 1.4 | 2.6 | 1.0 | 1.3 | 1.7 |
| 03/18/2022 17:00 | 1.5 | 3.5 | 0.5 | 0.6 | 0.9 |
| 03/18/2022 18:00 | 1.5 | 3.4 | 0.5 | 0.6 | 0.9 |
| 03/18/2022 19:00 | 1.5 | 2.0 | 0.2 | 0.2 | 2.8 |
| 03/19/2022 07:00 | 1.5 | 3.6 | 3.0 | 4.6 | 1.9 |
| 03/19/2022 08:00 | 1.4 | 4.5 | 1.5 | 3.0 | 1.8 |
| 03/19/2022 09:00 | 1.3 | 3.7 | 1.1 | 2.1 | 1.9 |

| | | | | | |
|------------------|-----|-----|-----|-----|-----|
| 03/19/2022 10:00 | 1.3 | 2.7 | 0.9 | 1.5 | 2.1 |
| 03/19/2022 11:00 | 1.3 | 2.1 | 0.3 | 0.3 | 2.6 |
| 03/19/2022 12:00 | 1.3 | 2.0 | 0.3 | 0.3 | 2.8 |
| 03/19/2022 13:00 | 1.3 | 2.0 | 0.3 | 0.3 | 2.8 |
| 03/19/2022 14:00 | 1.3 | 1.3 | 0.3 | 0.2 | 2.7 |
| 03/19/2022 15:00 | 1.3 | 2.5 | 0.4 | 0.4 | 2.3 |
| 03/19/2022 16:00 | 1.5 | 5.3 | 2.6 | 5.4 | 2.0 |
| 03/19/2022 17:00 | 1.5 | 5.2 | 1.8 | 3.9 | 2.3 |
| 03/19/2022 18:00 | 1.5 | 2.2 | 0.2 | 0.2 | 2.3 |
| 03/19/2022 19:00 | 1.5 | 4.1 | 1.2 | 2.5 | 2.5 |
| 03/19/2022 20:00 | 1.4 | 2.7 | 0.4 | 0.4 | 1.7 |
| 03/19/2022 21:00 | 1.5 | 4.2 | 1.7 | 3.4 | 1.8 |
| 03/19/2022 22:00 | 1.5 | 1.5 | 0.4 | 0.2 | 1.5 |
| 03/20/2022 07:00 | 1.6 | 1.6 | 0.5 | 0.3 | 2.2 |
| 03/20/2022 18:00 | 1.5 | 1.4 | 0.2 | 0.1 | 1.8 |
| 03/20/2022 19:00 | 1.5 | 2.0 | 0.2 | 0.2 | 2.3 |
| 03/20/2022 20:00 | 1.5 | 0.4 | 0.2 | 0.0 | 2.3 |
| 03/21/2022 18:00 | 1.4 | 3.7 | 1.3 | 2.2 | 1.2 |
| 03/21/2022 19:00 | 1.5 | 3.9 | 0.9 | 1.4 | 1.1 |
| 03/22/2022 06:00 | 1.6 | 4.5 | 0.8 | 1.4 | 1.9 |
| 03/22/2022 07:00 | 1.2 | 1.9 | 1.1 | 1.0 | 2.4 |
| 03/22/2022 08:00 | 1.5 | 0.6 | 0.8 | 0.3 | 2.0 |
| 03/22/2022 09:00 | 1.5 | 1.4 | 0.3 | 0.2 | 2.1 |
| 03/22/2022 14:00 | 1.6 | 3.5 | 1.3 | 1.9 | 1.5 |
| 03/22/2022 15:00 | 1.4 | 4.7 | 1.3 | 2.5 | 1.8 |
| 03/22/2022 16:00 | 1.5 | 2.8 | 0.8 | 1.4 | 2.0 |
| 03/22/2022 17:00 | 1.3 | 2.2 | 0.3 | 0.4 | 2.0 |
| 03/22/2022 18:00 | 1.3 | 1.7 | 0.3 | 0.2 | 1.9 |
| 03/22/2022 19:00 | 1.4 | 1.7 | 0.3 | 0.2 | 2.1 |
| 03/23/2022 06:00 | 1.3 | 2.1 | 3.2 | 3.3 | 2.2 |
| 03/23/2022 07:00 | 1.4 | 0.9 | 2.4 | 1.1 | 1.9 |
| 03/23/2022 08:00 | 1.2 | 0.9 | 2.4 | 1.0 | 2.2 |
| 03/23/2022 09:00 | 1.5 | 3.8 | 1.2 | 2.4 | 2.2 |
| 03/23/2022 10:00 | 1.5 | 5.1 | 3.0 | 6.3 | 2.4 |
| 03/23/2022 11:00 | 1.5 | 4.6 | 1.8 | 3.7 | 2.4 |
| 03/23/2022 12:00 | 1.5 | 4.9 | 2.1 | 4.6 | 2.5 |
| 03/23/2022 13:00 | 1.6 | 4.8 | 2.1 | 4.4 | 2.2 |
| 03/23/2022 14:00 | 1.4 | 3.5 | 1.0 | 1.9 | 2.7 |
| 03/23/2022 15:00 | 1.5 | 3.1 | 1.2 | 1.5 | 2.4 |
| 03/23/2022 16:00 | 1.6 | 5.1 | 0.9 | 1.9 | 2.2 |
| 03/23/2022 17:00 | 1.3 | 4.0 | 0.8 | 1.5 | 2.2 |
| 03/23/2022 18:00 | 1.5 | 4.0 | 0.9 | 1.5 | 1.3 |
| 03/23/2022 19:00 | 1.5 | 3.9 | 0.6 | 0.9 | 1.0 |
| 03/23/2022 20:00 | 1.9 | 0.6 | 0.3 | 0.1 | 1.7 |
| 03/24/2022 05:00 | 1.9 | 1.4 | 1.3 | 0.6 | 1.9 |
| 03/24/2022 06:00 | 1.4 | 5.0 | 0.7 | 1.5 | 2.4 |
| 03/24/2022 07:00 | 1.3 | 3.7 | 1.0 | 1.8 | 1.5 |
| 03/24/2022 08:00 | 1.6 | 3.1 | 0.7 | 1.0 | 1.9 |
| 03/24/2022 14:00 | 1.5 | 3.3 | 1.7 | 2.4 | 1.3 |
| 03/24/2022 15:00 | 1.5 | 5.0 | 2.0 | 4.0 | 1.8 |
| 03/24/2022 17:00 | 1.3 | 3.1 | 1.8 | 2.6 | 1.7 |
| 03/24/2022 18:00 | 1.4 | 3.9 | 1.2 | 2.2 | 1.2 |
| 03/24/2022 19:00 | 1.3 | 0.9 | 1.8 | 0.8 | 1.8 |
| 03/25/2022 17:00 | 1.4 | 2.9 | 1.9 | 2.6 | 1.4 |
| 03/25/2022 18:00 | 1.6 | 5.1 | 1.8 | 3.6 | 1.6 |
| 03/25/2022 19:00 | 1.4 | 3.6 | 0.6 | 1.0 | 1.0 |
| 03/26/2022 06:00 | 1.6 | 0.9 | 0.6 | 0.2 | 2.7 |
| 03/26/2022 17:00 | 1.5 | 2.0 | 0.4 | 0.3 | 1.8 |
| 03/26/2022 18:00 | 1.5 | 2.0 | 0.5 | 0.4 | 2.2 |
| 03/26/2022 19:00 | 1.5 | 1.9 | 0.5 | 0.4 | 2.2 |
| 03/26/2022 20:00 | 1.5 | 0.4 | 0.5 | 0.1 | 2.3 |
| 03/27/2022 17:00 | 1.5 | 0.8 | 0.9 | 0.3 | 1.0 |
| 03/27/2022 18:00 | 1.5 | 2.1 | 0.3 | 0.3 | 2.1 |
| 03/27/2022 19:00 | 1.5 | 2.0 | 0.3 | 0.3 | 2.2 |
| 03/28/2022 08:00 | 1.6 | 3.1 | 1.6 | 2.3 | 2.5 |
| 03/28/2022 10:00 | 1.6 | 4.0 | 1.7 | 2.6 | 2.3 |
| 03/28/2022 11:00 | 1.4 | 5.1 | 1.6 | 3.3 | 2.3 |
| 03/28/2022 12:00 | 1.5 | 5.1 | 1.7 | 3.6 | 2.1 |
| 03/28/2022 13:00 | 1.3 | 4.4 | 1.6 | 3.4 | 2.2 |
| 03/28/2022 14:00 | 1.6 | 4.4 | 1.2 | 2.3 | 2.1 |
| 03/28/2022 15:00 | 1.4 | 4.1 | 1.2 | 2.3 | 1.8 |
| 03/28/2022 16:00 | 1.6 | 3.3 | 1.4 | 1.9 | 1.8 |
| 03/28/2022 17:00 | 1.3 | 3.6 | 1.9 | 3.3 | 1.6 |
| 03/29/2022 05:00 | 1.5 | 0.8 | 1.0 | 0.4 | 2.8 |
| 03/29/2022 06:00 | 1.0 | 0.6 | 0.4 | 0.1 | 3.2 |
| 03/29/2022 15:00 | 1.5 | 2.4 | 2.8 | 2.7 | 1.7 |
| 03/29/2022 16:00 | 1.5 | 4.1 | 1.2 | 2.1 | 1.3 |

| | | | | | |
|-----------------------|------------|------------|------------|------------|------------|
| 03/29/2022 18:00 | 1.5 | 1.6 | 0.2 | 0.1 | 2.4 |
| 03/29/2022 19:00 | 1.5 | 1.9 | 0.3 | 0.2 | 2.3 |
| 03/30/2022 05:00 | 1.5 | 0.9 | 0.4 | 0.2 | 1.9 |
| 03/30/2022 06:00 | 1.6 | 0.5 | 0.4 | 0.1 | 2.4 |
| 03/30/2022 07:00 | 1.5 | 1.0 | 0.3 | 0.1 | 2.3 |
| 03/30/2022 08:00 | 1.5 | 1.2 | 0.3 | 0.2 | 2.6 |
| 03/30/2022 18:00 | 1.5 | 1.9 | 0.2 | 0.2 | 2.5 |
| 03/31/2022 05:00 | 1.3 | 0.8 | 0.4 | 0.1 | 2.7 |
| 03/31/2022 06:00 | 1.1 | 0.3 | 0.4 | 0.1 | 3.0 |
| 03/31/2022 17:00 | 1.5 | 1.2 | 0.3 | 0.2 | 2.3 |
| 03/31/2022 18:00 | 1.5 | 1.8 | 0.4 | 0.3 | 2.5 |
| Final Average* | 1.5 | 2.4 | 0.9 | 1.2 | 2.3 |
| Maximum* | 2.0 | 5.4 | 3.5 | 6.5 | 4.1 |
| | 03/11/2022 | 03/18/2022 | 03/18/2022 | 03/18/2022 | 02/03/2022 |
| | 17:00 | 8:00 | 7:00 | 8:00 | 7:00 |
| Minimum* | 0.5 | 0.0 | 0.1 | 0.0 | 0.9 |
| | 03/16/2022 | 03/16/2022 | 03/10/2022 | 03/20/2022 | 03/18/2022 |
| | 5:00 | 5:00 | 17:00 | 20:00 | 18:00 |

* Does not include Invalid Averaging Periods ("N/A")

Attachment E CEMS Startup/Shutdown Report:

AQ-40: NO_x, CO, and VOC Pound Per Startup Summary

AQ-41: NO_x, CO, and VOC Pound Per Shutdown
Summary

April 13, 2022

Subject: CARLSBAD ENERGY CENTER AQ-SC8 REPORT – CEMS
STARTUP/SHUTDOWN REPORT

The following conditions required in AQ-SC8 Quarterly Report are covered in the following data summary:

- AQ-40
- AQ-41

The times listed in the following report may be an hour off from real time. Per EPA rules, the Data Acquisition Handling System time does not change with Daylight Savings Time.

Startup / ShutDown Report
 Generated: 4/1/2022 08:08
 StartUp/ShutDown Event Report NRG Carlsbad Unit 6
 Carlsbad Unit 6

Company: NRG Carlsbad
 Plant: 4600 Carlsbad Blvd
 City/St: Carlsbad, CA 92008

Period Start: 1/1/2022 00:00
 Period End: 3/31/2022 23:59
 Unit Name: Unit6

| Events | Time | Duration (min) | Total | | Total | | Total | | Total | | NOx Lbs/Event | CO Lbs/Event |
|-----------|-------------------------------------|-------------------|----------------------|---------------|-------------------|---------------|-------------------|---------------|--------------------|---------------|------------------|-----------------|
| | | | 6_GasFlow (kscfh) | Valid Mins | 6Gross_MW (MW) | Valid Mins | 6COLBHR (LBHR) | Valid Mins | 6NOXLBHR (LBHR) | Valid Mins | | |
| START_UP | 01/02/2022 19:48 ~ 01/02/2022 20:12 | 25 | 12351.7 | 25 | 1180.9 | 25 | 99.316 | 25 | 511.111 | 25 | 8.5 | 1.7 |
| SHUT_DOWN | 01/02/2022 21:16 ~ 01/02/2022 21:26 | 11 | 1535.7 | 11 | 14.2 | 11 | 0.135 | 11 | 19.233 | 11 | 0.3 | 0.0 |
| START_UP | 01/03/2022 05:53 ~ 01/03/2022 06:17 | 25 | 8960 | 25 | 689.3 | 25 | 50.364 | 25 | 349.593 | 25 | 5.8 | 0.8 |
| SHUT_DOWN | 01/03/2022 07:00 ~ 01/03/2022 07:10 | 11 | 1455.3 | 11 | 6.1 | 11 | 0.004 | 11 | 19.992 | 11 | 0.3 | 0.0 |
| START_UP | 01/03/2022 14:53 ~ 01/03/2022 15:17 | 25 | 8756.3 | 25 | 664 | 25 | 65.125 | 25 | 333.215 | 25 | 5.6 | 1.1 |
| SHUT_DOWN | 01/03/2022 21:59 ~ 01/03/2022 22:09 | 11 | 1411.4 | 11 | 2.5 | 11 | 0 | 11 | 22.276 | 11 | 0.4 | 0.0 |
| START_UP | 01/04/2022 16:48 ~ 01/04/2022 17:12 | 25 | 10009.7 | 25 | 840.3 | 25 | 74.201 | 25 | 425.481 | 25 | 7.1 | 1.2 |
| SHUT_DOWN | 01/04/2022 18:44 ~ 01/04/2022 18:54 | 11 | 1524.6 | 11 | 13.9 | 11 | 0 | 11 | 18.81 | 11 | 0.3 | 0.0 |
| START_UP | 01/05/2022 16:18 ~ 01/05/2022 16:42 | 25 | 10077 | 25 | 846.6 | 25 | 68.458 | 25 | 419.808 | 25 | 7.0 | 1.1 |
| SHUT_DOWN | 01/05/2022 17:59 ~ 01/05/2022 18:09 | 11 | 1511.6 | 11 | 12.9 | 11 | 0 | 11 | 16.108 | 11 | 0.3 | 0.0 |
| START_UP | 01/06/2022 06:23 ~ 01/06/2022 06:47 | 25 | 7899 | 25 | 557.5 | 25 | 80.878 | 25 | 336.477 | 25 | 5.6 | 1.3 |
| SHUT_DOWN | 01/06/2022 08:14 ~ 01/06/2022 08:24 | 11 | 1448.2 | 11 | 7.9 | 11 | 0.489 | 11 | 19.015 | 11 | 0.3 | 0.0 |
| START_UP | 01/06/2022 16:48 ~ 01/06/2022 17:12 | 25 | 11864 | 25 | 1095.6 | 25 | 90.245 | 25 | 407.962 | 25 | 6.8 | 1.5 |
| SHUT_DOWN | 01/06/2022 19:59 ~ 01/06/2022 20:10 | 12 | 1657.6 | 12 | 16.3 | 12 | 0.053 | 12 | 21.667 | 12 | 0.4 | 0.0 |
| START_UP | 01/07/2022 06:23 ~ 01/07/2022 06:47 | 25 | 7931.6 | 25 | 561 | 25 | 72.865 | 25 | 330.515 | 25 | 5.5 | 1.2 |
| SHUT_DOWN | 01/07/2022 07:29 ~ 01/07/2022 07:39 | 11 | 1426.9 | 11 | 5.6 | 11 | 0.996 | 11 | 16.859 | 11 | 0.3 | 0.0 |
| START_UP | 01/07/2022 19:20 ~ 01/07/2022 19:44 | 25 | 10136.7 | 25 | 863.5 | 25 | 118.918 | 25 | 443.212 | 25 | 7.4 | 2.0 |
| SHUT_DOWN | 01/07/2022 20:29 ~ 01/07/2022 20:40 | 12 | 1674.4 | 12 | 17.7 | 12 | 0.093 | 12 | 21.111 | 12 | 0.4 | 0.0 |
| START_UP | 01/08/2022 16:27 ~ 01/08/2022 16:51 | 25 | 10962 | 25 | 967.8 | 25 | 82.431 | 25 | 456.517 | 25 | 7.6 | 1.4 |
| SHUT_DOWN | 01/08/2022 18:14 ~ 01/08/2022 18:24 | 11 | 1432.2 | 11 | 3.5 | 11 | 0.065 | 11 | 19.166 | 11 | 0.3 | 0.0 |
| START_UP | 01/08/2022 20:53 ~ 01/08/2022 21:17 | 25 | 7916.8 | 25 | 555.1 | 25 | 87.479 | 25 | 206.403 | 25 | 3.4 | 1.5 |
| SHUT_DOWN | 01/08/2022 21:59 ~ 01/08/2022 22:09 | 11 | 1429.1 | 11 | 4.9 | 11 | 0.032 | 11 | 19.348 | 11 | 0.3 | 0.0 |
| START_UP | 01/09/2022 18:06 ~ 01/09/2022 18:30 | 25 | 9800.1 | 25 | 815.2 | 25 | 226.624 | 25 | 455.661 | 25 | 7.6 | 3.8 |
| SHUT_DOWN | 01/09/2022 19:59 ~ 01/09/2022 20:09 | 11 | 1534.7 | 11 | 13.2 | 11 | 0.107 | 11 | 19.788 | 11 | 0.3 | 0.0 |
| START_UP | 01/10/2022 06:58 ~ 01/10/2022 07:22 | 25 | 10664.1 | 25 | 926.4 | 25 | 93.359 | 25 | 437.832 | 25 | 7.3 | 1.6 |
| SHUT_DOWN | 01/10/2022 08:14 ~ 01/10/2022 08:25 | 12 | 1654 | 12 | 13.3 | 12 | 0.122 | 12 | 23.666 | 12 | 0.4 | 0.0 |
| START_UP | 01/10/2022 19:48 ~ 01/10/2022 20:12 | 25 | 8642.201 | 25 | 647.3 | 25 | 98.004 | 25 | 361.787 | 25 | 6.0 | 1.6 |
| SHUT_DOWN | 01/10/2022 20:59 ~ 01/10/2022 21:09 | 11 | 1545.1 | 11 | 15.5 | 11 | 0.074 | 11 | 20.716 | 11 | 0.3 | 0.0 |
| START_UP | 01/11/2022 07:58 ~ 01/11/2022 08:22 | 25 | 15006.5 | 25 | 1553.7 | 25 | 103.121 | 25 | 506.974 | 25 | 8.4 | 1.7 |
| SHUT_DOWN | 01/11/2022 09:14 ~ 01/11/2022 09:24 | 11 | 1491.3 | 11 | 9.1 | 11 | 0.355 | 11 | 18.594 | 11 | 0.3 | 0.0 |
| START_UP | 01/11/2022 14:54 ~ 01/11/2022 15:18 | 25 | 15188.8 | 25 | 1589.5 | 25 | 268.835 | 25 | 341.545 | 25 | 5.7 | 4.5 |
| SHUT_DOWN | 01/11/2022 20:59 ~ 01/11/2022 21:09 | 11 | 1440.7 | 11 | 6 | 11 | 0.028 | 11 | 21.671 | 11 | 0.4 | 0.0 |
| START_UP | 01/12/2022 06:23 ~ 01/12/2022 06:47 | 25 | 7930.101 | 25 | 555.9 | 25 | 70.369 | 25 | 334.979 | 25 | 5.6 | 1.2 |
| SHUT_DOWN | 01/12/2022 08:14 ~ 01/12/2022 08:24 | 11 | 1534.5 | 11 | 14.6 | 11 | 0.417 | 11 | 22.592 | 11 | 0.4 | 0.0 |
| START_UP | 01/12/2022 09:56 ~ 01/12/2022 10:20 | 25 | 15234.2 | 25 | 1608.1 | 25 | 90.596 | 25 | 163.182 | 25 | 2.7 | 1.5 |
| SHUT_DOWN | 01/12/2022 13:00 ~ 01/12/2022 13:10 | 11 | 1449.9 | 11 | 5.4 | 11 | 0.513 | 11 | 16.734 | 11 | 0.3 | 0.0 |
| START_UP | 01/12/2022 16:42 ~ 01/12/2022 17:06 | 25 | 10752.8 | 25 | 952.6 | 25 | 124.541 | 25 | 305.448 | 25 | 5.1 | 2.1 |
| SHUT_DOWN | 01/12/2022 17:59 ~ 01/12/2022 18:09 | 11 | 1527 | 11 | 13.8 | 11 | 0 | 11 | 17.675 | 11 | 0.3 | 0.0 |
| START_UP | 01/13/2022 05:53 ~ 01/13/2022 06:17 | 25 | 8185.8 | 25 | 589.3 | 25 | 67.897 | 25 | 338.215 | 25 | 5.6 | 1.1 |
| SHUT_DOWN | 01/13/2022 08:14 ~ 01/13/2022 08:24 | 11 | 1460.6 | 11 | 8.3 | 11 | 0 | 11 | 23.489 | 11 | 0.4 | 0.0 |
| START_UP | 01/13/2022 18:18 ~ 01/13/2022 18:42 | 25 | 11244.3 | 25 | 1028.8 | 25 | 80.453 | 25 | 478.473 | 25 | 8.0 | 1.3 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| SHUT_DOWN | 01/13/2022 | 19:59 | ~ | 01/13/2022 | 20:09 | 11 | 1439.4 | 11 | 6.8 | 11 | 0 | 11 | 17.803 | 11 | 0.3 | 0.0 |
| START_UP | 01/14/2022 | 07:48 | ~ | 01/14/2022 | 08:12 | 25 | 12203.9 | 25 | 1167.1 | 25 | 125.337 | 25 | 483.522 | 25 | 8.1 | 2.1 |
| SHUT_DOWN | 01/14/2022 | 09:14 | ~ | 01/14/2022 | 09:24 | 11 | 1443.9 | 11 | 7.6 | 11 | 0 | 11 | 19.3 | 11 | 0.3 | 0.0 |
| START_UP | 01/14/2022 | 16:45 | ~ | 01/14/2022 | 17:09 | 25 | 7976 | 25 | 560.4 | 25 | 75.407 | 25 | 302.728 | 25 | 5.0 | 1.3 |
| SHUT_DOWN | 01/14/2022 | 17:59 | ~ | 01/14/2022 | 18:09 | 11 | 1423.6 | 11 | 2.8 | 11 | 0 | 11 | 16.317 | 11 | 0.3 | 0.0 |
| START_UP | 01/15/2022 | 16:48 | ~ | 01/15/2022 | 17:12 | 25 | 8060.399 | 25 | 576.2 | 25 | 92.642 | 25 | 348.69 | 25 | 5.8 | 1.5 |
| SHUT_DOWN | 01/15/2022 | 18:42 | ~ | 01/15/2022 | 18:53 | 12 | 1683.7 | 12 | 18.6 | 12 | 0 | 12 | 19.724 | 12 | 0.3 | 0.0 |
| START_UP | 01/16/2022 | 16:48 | ~ | 01/16/2022 | 17:12 | 25 | 9397.1 | 25 | 761.9 | 25 | 85.611 | 25 | 405.681 | 25 | 6.8 | 1.4 |
| SHUT_DOWN | 01/16/2022 | 18:00 | ~ | 01/16/2022 | 18:10 | 11 | 1384.5 | 11 | 0 | 11 | 0 | 11 | 14.905 | 11 | 0.2 | 0.0 |
| START_UP | 01/16/2022 | 20:47 | ~ | 01/16/2022 | 21:11 | 25 | 11290.7 | 25 | 1052.5 | 25 | 112.864 | 25 | 323 | 25 | 5.4 | 1.9 |
| SHUT_DOWN | 01/16/2022 | 22:14 | ~ | 01/16/2022 | 22:24 | 11 | 1409.5 | 11 | 4.1 | 11 | 0 | 11 | 15.532 | 11 | 0.3 | 0.0 |
| START_UP | 01/17/2022 | 16:48 | ~ | 01/17/2022 | 17:12 | 25 | 9600.799 | 25 | 786.3 | 25 | 83.895 | 25 | 408.577 | 25 | 6.8 | 1.4 |
| SHUT_DOWN | 01/17/2022 | 18:42 | ~ | 01/17/2022 | 18:53 | 12 | 1689.9 | 12 | 18.9 | 12 | 0 | 12 | 17.288 | 12 | 0.3 | 0.0 |
| START_UP | 01/17/2022 | 20:47 | ~ | 01/17/2022 | 21:11 | 25 | 11644.9 | 25 | 1087.3 | 25 | 148.545 | 25 | 123.188 | 25 | 2.1 | 2.5 |
| SHUT_DOWN | 01/17/2022 | 22:14 | ~ | 01/17/2022 | 22:24 | 11 | 1409.4 | 11 | 3.1 | 11 | 0 | 11 | 17.077 | 11 | 0.3 | 0.0 |
| START_UP | 01/18/2022 | 16:33 | ~ | 01/18/2022 | 16:57 | 25 | 9685.101 | 25 | 791.8 | 25 | 67.698 | 25 | 402.311 | 25 | 6.7 | 1.1 |
| SHUT_DOWN | 01/18/2022 | 17:59 | ~ | 01/18/2022 | 18:09 | 11 | 1515.8 | 11 | 13.6 | 11 | 0 | 11 | 16.13 | 11 | 0.3 | 0.0 |
| START_UP | 01/19/2022 | 05:53 | ~ | 01/19/2022 | 06:17 | 25 | 7983.1 | 25 | 558.8 | 25 | 76.831 | 25 | 311.47 | 25 | 5.2 | 1.3 |
| SHUT_DOWN | 01/19/2022 | 08:14 | ~ | 01/19/2022 | 08:24 | 11 | 1408.8 | 11 | 2.9 | 11 | 0 | 11 | 16.687 | 11 | 0.3 | 0.0 |
| START_UP | 01/19/2022 | 16:53 | ~ | 01/19/2022 | 17:17 | 25 | 7938.8 | 25 | 556.8 | 25 | 71.902 | 25 | 295.117 | 25 | 4.9 | 1.2 |
| SHUT_DOWN | 01/19/2022 | 17:59 | ~ | 01/19/2022 | 18:09 | 11 | 1409.1 | 11 | 1.9 | 11 | 0 | 11 | 16.117 | 11 | 0.3 | 0.0 |
| START_UP | 01/19/2022 | 20:52 | ~ | 01/19/2022 | 21:16 | 25 | 7905.3 | 25 | 554.6 | 25 | 73.227 | 25 | 223.385 | 25 | 3.7 | 1.2 |
| SHUT_DOWN | 01/19/2022 | 21:59 | ~ | 01/19/2022 | 22:09 | 11 | 1435.4 | 11 | 5.7 | 11 | 0 | 11 | 17.689 | 11 | 0.3 | 0.0 |
| START_UP | 01/20/2022 | 16:18 | ~ | 01/20/2022 | 16:42 | 25 | 9653.9 | 25 | 791.4 | 25 | 150.565 | 25 | 415.919 | 25 | 6.9 | 2.5 |
| SHUT_DOWN | 01/20/2022 | 17:59 | ~ | 01/20/2022 | 18:09 | 11 | 1480.2 | 11 | 9.1 | 11 | 0 | 11 | 16.576 | 11 | 0.3 | 0.0 |
| START_UP | 01/20/2022 | 19:47 | ~ | 01/20/2022 | 20:11 | 25 | 7876.999 | 25 | 554.3 | 25 | 75.748 | 25 | 101.062 | 25 | 1.7 | 1.3 |
| SHUT_DOWN | 01/20/2022 | 21:14 | ~ | 01/20/2022 | 21:24 | 11 | 1496.4 | 11 | 12.4 | 11 | 0 | 11 | 19.248 | 11 | 0.3 | 0.0 |
| START_UP | 01/21/2022 | 16:53 | ~ | 01/21/2022 | 17:17 | 25 | 7775.4 | 25 | 545.7 | 25 | 189.108 | 25 | 346.017 | 25 | 5.8 | 3.2 |
| SHUT_DOWN | 01/21/2022 | 17:59 | ~ | 01/21/2022 | 18:09 | 11 | 1471.5 | 11 | 9.1 | 11 | 0 | 11 | 16.484 | 11 | 0.3 | 0.0 |
| START_UP | 01/22/2022 | 19:53 | ~ | 01/22/2022 | 20:17 | 25 | 7915.399 | 25 | 551.9 | 25 | 111.276 | 25 | 354.336 | 25 | 5.9 | 1.9 |
| SHUT_DOWN | 01/22/2022 | 20:59 | ~ | 01/22/2022 | 21:09 | 11 | 1434.1 | 11 | 5.1 | 11 | 0.06 | 11 | 18.151 | 11 | 0.3 | 0.0 |
| START_UP | 01/23/2022 | 16:38 | ~ | 01/23/2022 | 17:02 | 25 | 9032.7 | 25 | 702.2 | 25 | 143.944 | 25 | 373.301 | 25 | 6.2 | 2.4 |
| SHUT_DOWN | 01/23/2022 | 17:59 | ~ | 01/23/2022 | 18:09 | 11 | 1485 | 11 | 8.4 | 11 | 0.052 | 11 | 17.182 | 11 | 0.3 | 0.0 |
| START_UP | 01/23/2022 | 19:47 | ~ | 01/23/2022 | 20:11 | 25 | 11523.6 | 25 | 1066.2 | 25 | 74.542 | 25 | 136.55 | 25 | 2.3 | 1.2 |
| SHUT_DOWN | 01/23/2022 | 20:59 | ~ | 01/23/2022 | 21:09 | 11 | 1411.5 | 11 | 1.1 | 11 | 0.018 | 11 | 19.609 | 11 | 0.3 | 0.0 |
| START_UP | 01/24/2022 | 16:33 | ~ | 01/24/2022 | 16:57 | 25 | 9485.8 | 25 | 776.8 | 25 | 64.779 | 25 | 418.065 | 25 | 7.0 | 1.1 |
| SHUT_DOWN | 01/24/2022 | 17:59 | ~ | 01/24/2022 | 18:09 | 11 | 1422.4 | 11 | 4.2 | 11 | 0 | 11 | 15.767 | 11 | 0.3 | 0.0 |
| START_UP | 01/24/2022 | 19:47 | ~ | 01/24/2022 | 20:11 | 25 | 11417.2 | 25 | 1068.5 | 25 | 73.746 | 25 | 135.909 | 25 | 2.3 | 1.2 |
| SHUT_DOWN | 01/24/2022 | 21:14 | ~ | 01/24/2022 | 21:24 | 11 | 1398.1 | 11 | 3.2 | 11 | 0.044 | 11 | 17.653 | 11 | 0.3 | 0.0 |
| START_UP | 01/25/2022 | 05:53 | ~ | 01/25/2022 | 06:17 | 25 | 7905.8 | 25 | 560.6 | 25 | 153.044 | 18 | 318.223 | 18 | 5.3 | 2.6 |
| SHUT_DOWN | 01/25/2022 | 07:29 | ~ | 01/25/2022 | 07:39 | 11 | 1484.2 | 11 | 11.4 | 11 | 0.883 | 11 | 21.608 | 11 | 0.4 | 0.0 |
| START_UP | 01/25/2022 | 16:48 | ~ | 01/25/2022 | 17:12 | 25 | 9342.2 | 25 | 762.3 | 25 | 118.917 | 25 | 408.819 | 25 | 6.8 | 2.0 |
| SHUT_DOWN | 01/25/2022 | 17:59 | ~ | 01/25/2022 | 18:09 | 11 | 1404.3 | 11 | 2.2 | 11 | 0 | 11 | 16.823 | 11 | 0.3 | 0.0 |
| START_UP | 01/25/2022 | 20:02 | ~ | 01/25/2022 | 20:26 | 25 | 11606.7 | 25 | 1082.8 | 25 | 63.366 | 25 | 135.835 | 25 | 2.3 | 1.1 |
| SHUT_DOWN | 01/25/2022 | 21:59 | ~ | 01/25/2022 | 22:09 | 11 | 1403.6 | 11 | 2.7 | 11 | 0.234 | 11 | 18.59 | 11 | 0.3 | 0.0 |
| START_UP | 01/26/2022 | 05:53 | ~ | 01/26/2022 | 06:17 | 25 | 7985.9 | 25 | 564.2 | 25 | 152.654 | 25 | 304.145 | 25 | 5.1 | 2.5 |
| SHUT_DOWN | 01/26/2022 | 07:29 | ~ | 01/26/2022 | 07:39 | 11 | 1477.1 | 11 | 8.9 | 11 | 0.889 | 11 | 19.677 | 11 | 0.3 | 0.0 |
| START_UP | 01/26/2022 | 16:33 | ~ | 01/26/2022 | 16:57 | 25 | 11121.1 | 25 | 1003 | 25 | 79.255 | 25 | 433.207 | 25 | 7.2 | 1.3 |
| SHUT_DOWN | 01/26/2022 | 18:44 | ~ | 01/26/2022 | 18:54 | 11 | 1495.9 | 11 | 9.9 | 11 | 0 | 11 | 16.967 | 11 | 0.3 | 0.0 |
| START_UP | 01/27/2022 | 07:03 | ~ | 01/27/2022 | 07:27 | 25 | 8167 | 25 | 578.3 | 25 | 67.604 | 25 | 342.835 | 25 | 5.7 | 1.1 |
| SHUT_DOWN | 01/27/2022 | 08:59 | ~ | 01/27/2022 | 09:09 | 11 | 1477 | 11 | 8.8 | 11 | 0 | 11 | 24.329 | 11 | 0.4 | 0.0 |
| START_UP | 01/28/2022 | 18:53 | ~ | 01/28/2022 | 19:17 | 25 | 7946.8 | 25 | 554.8 | 25 | 79.675 | 25 | 367.338 | 25 | 6.1 | 1.3 |
| SHUT_DOWN | 01/28/2022 | 19:59 | ~ | 01/28/2022 | 20:09 | 11 | 1418.9 | 11 | 3.6 | 11 | 0 | 11 | 22.899 | 11 | 0.4 | 0.0 |
| START_UP | 01/29/2022 | 19:18 | ~ | 01/29/2022 | 19:42 | 25 | 9485 | 25 | 777.7 | 25 | 97.355 | 25 | 430.563 | 25 | 7.2 | 1.6 |

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|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| SHUT_DOWN | 01/29/2022 | 20:39 | ~ | 01/29/2022 | 20:49 | 11 | 1384.4 | 11 | 0 | 11 | 0 | 11 | 19.326 | 11 | 0.3 | 0.0 |
| START_UP | 01/30/2022 | 17:18 | ~ | 01/30/2022 | 17:42 | 25 | 11166.6 | 25 | 1016.5 | 25 | 79.69 | 25 | 482.357 | 25 | 8.0 | 1.3 |
| SHUT_DOWN | 01/30/2022 | 18:59 | ~ | 01/30/2022 | 19:09 | 11 | 1407.8 | 11 | 3 | 11 | 0 | 11 | 16.715 | 11 | 0.3 | 0.0 |
| START_UP | 01/31/2022 | 07:53 | ~ | 01/31/2022 | 08:17 | 25 | 13970.1 | 25 | 1441.8 | 25 | 147.616 | 25 | 507.343 | 25 | 8.5 | 2.5 |
| SHUT_DOWN | 01/31/2022 | 09:14 | ~ | 01/31/2022 | 09:24 | 11 | 1386.7 | 11 | 2.1 | 11 | 0 | 11 | 19.527 | 11 | 0.3 | 0.0 |
| START_UP | 01/31/2022 | 13:52 | ~ | 01/31/2022 | 14:16 | 25 | 12475.1 | 25 | 1214.5 | 25 | 69.412 | 25 | 300.286 | 25 | 5.0 | 1.2 |
| SHUT_DOWN | 01/31/2022 | 16:15 | ~ | 01/31/2022 | 16:26 | 12 | 1675.8 | 12 | 19.4 | 12 | 0 | 12 | 19.657 | 12 | 0.3 | 0.0 |
| START_UP | 02/02/2022 | 07:47 | ~ | 02/02/2022 | 08:11 | 25 | 9925.899 | 25 | 851.8 | 25 | 127.988 | 25 | 413.27 | 25 | 6.9 | 2.1 |
| SHUT_DOWN | 02/02/2022 | 08:58 | ~ | 02/02/2022 | 09:09 | 12 | 1698 | 12 | 20.9 | 12 | 0.151 | 12 | 25.028 | 12 | 0.4 | 0.0 |
| START_UP | 02/02/2022 | 19:53 | ~ | 02/02/2022 | 20:17 | 25 | 8034.501 | 25 | 564.8 | 25 | 67.395 | 25 | 352.117 | 25 | 5.9 | 1.1 |
| SHUT_DOWN | 02/02/2022 | 20:58 | ~ | 02/02/2022 | 21:09 | 12 | 1677.1 | 12 | 18.1 | 12 | 0 | 12 | 28.037 | 12 | 0.5 | 0.0 |
| START_UP | 02/03/2022 | 05:52 | ~ | 02/03/2022 | 06:16 | 25 | 8295.5 | 25 | 611.3 | 25 | 102.595 | 25 | 332.615 | 25 | 5.5 | 1.7 |
| SHUT_DOWN | 02/03/2022 | 07:07 | ~ | 02/03/2022 | 07:17 | 11 | 1444 | 11 | 5.3 | 11 | 0.531 | 11 | 22.74 | 11 | 0.4 | 0.0 |
| START_UP | 02/03/2022 | 19:13 | ~ | 02/03/2022 | 19:37 | 25 | 13167.5 | 25 | 1310.5 | 25 | 130.383 | 25 | 492.035 | 25 | 8.2 | 2.2 |
| SHUT_DOWN | 02/03/2022 | 20:59 | ~ | 02/03/2022 | 21:09 | 11 | 1415.1 | 11 | 2.3 | 11 | 0.008 | 11 | 20.582 | 11 | 0.3 | 0.0 |
| START_UP | 02/04/2022 | 05:53 | ~ | 02/04/2022 | 06:17 | 25 | 12250.3 | 25 | 1156.1 | 25 | 150.476 | 25 | 375.299 | 25 | 6.3 | 2.5 |
| SHUT_DOWN | 02/04/2022 | 07:29 | ~ | 02/04/2022 | 07:39 | 11 | 1418.9 | 11 | 1.9 | 11 | 1.029 | 11 | 24.288 | 11 | 0.4 | 0.0 |
| START_UP | 02/04/2022 | 17:48 | ~ | 02/04/2022 | 18:12 | 25 | 8379.199 | 25 | 609.4 | 25 | 80.625 | 25 | 329.07 | 25 | 5.5 | 1.3 |
| SHUT_DOWN | 02/04/2022 | 19:28 | ~ | 02/04/2022 | 19:39 | 12 | 1721.1 | 12 | 20 | 12 | 0.089 | 12 | 23.989 | 12 | 0.4 | 0.0 |
| START_UP | 02/04/2022 | 21:48 | ~ | 02/04/2022 | 22:12 | 25 | 11900.6 | 25 | 1100.7 | 25 | 148.541 | 25 | 138.513 | 25 | 2.3 | 2.5 |
| SHUT_DOWN | 02/04/2022 | 22:59 | ~ | 02/04/2022 | 23:09 | 11 | 1426.2 | 11 | 3 | 11 | 0.378 | 11 | 22.051 | 11 | 0.4 | 0.0 |
| START_UP | 02/05/2022 | 17:53 | ~ | 02/05/2022 | 18:17 | 25 | 8073.3 | 25 | 565.7 | 25 | 127.586 | 19 | 291.875 | 19 | 4.9 | 2.1 |
| SHUT_DOWN | 02/05/2022 | 18:59 | ~ | 02/05/2022 | 19:09 | 11 | 1489.8 | 11 | 10.1 | 11 | 0.325 | 11 | 18.758 | 11 | 0.3 | 0.0 |
| START_UP | 02/06/2022 | 19:52 | ~ | 02/06/2022 | 20:16 | 25 | 8045.8 | 25 | 563.4 | 25 | 140.763 | 25 | 338.614 | 25 | 5.6 | 2.3 |
| SHUT_DOWN | 02/06/2022 | 20:58 | ~ | 02/06/2022 | 21:09 | 12 | 1680.1 | 12 | 17.2 | 12 | 0.036 | 12 | 23.13 | 12 | 0.4 | 0.0 |
| START_UP | 02/07/2022 | 05:52 | ~ | 02/07/2022 | 06:16 | 25 | 8379.201 | 25 | 611.8 | 25 | 144.469 | 24 | 337.827 | 24 | 5.6 | 2.4 |
| SHUT_DOWN | 02/07/2022 | 19:59 | ~ | 02/07/2022 | 20:09 | 11 | 1515.5 | 11 | 13.9 | 11 | 0 | 11 | 20.399 | 11 | 0.3 | 0.0 |
| START_UP | 02/08/2022 | 18:02 | ~ | 02/08/2022 | 18:26 | 25 | 10881.6 | 25 | 994.3 | 25 | 165.04 | 24 | 440.169 | 24 | 7.3 | 2.8 |
| SHUT_DOWN | 02/08/2022 | 19:18 | ~ | 02/08/2022 | 19:28 | 11 | 1436.2 | 11 | 4.9 | 11 | 0 | 11 | 17.051 | 11 | 0.3 | 0.0 |
| START_UP | 02/08/2022 | 20:32 | ~ | 02/08/2022 | 20:56 | 25 | 11559.8 | 25 | 1083.5 | 25 | 57.505 | 25 | 144.308 | 25 | 2.4 | 1.0 |
| SHUT_DOWN | 02/08/2022 | 22:08 | ~ | 02/08/2022 | 22:18 | 11 | 1413.9 | 11 | 2.7 | 11 | 0 | 11 | 20.94 | 11 | 0.3 | 0.0 |
| START_UP | 02/09/2022 | 17:17 | ~ | 02/09/2022 | 17:41 | 25 | 9324.399 | 25 | 769 | 25 | 151.288 | 25 | 403.047 | 25 | 6.7 | 2.5 |
| SHUT_DOWN | 02/09/2022 | 18:59 | ~ | 02/09/2022 | 19:09 | 11 | 1407.8 | 11 | 3.3 | 11 | 0.178 | 11 | 16.638 | 11 | 0.3 | 0.0 |
| START_UP | 02/09/2022 | 22:20 | ~ | 02/09/2022 | 22:44 | 25 | 9307.699 | 25 | 762.3 | 25 | 67.549 | 25 | 290.877 | 25 | 4.8 | 1.1 |
| SHUT_DOWN | 02/09/2022 | 23:29 | ~ | 02/09/2022 | 23:39 | 11 | 1365.4 | 11 | 0.6 | 11 | 0.172 | 11 | 19.466 | 11 | 0.3 | 0.0 |
| START_UP | 02/10/2022 | 19:03 | ~ | 02/10/2022 | 19:27 | 25 | 8510.2 | 25 | 635.7 | 25 | 71.452 | 25 | 348.379 | 25 | 5.8 | 1.2 |
| SHUT_DOWN | 02/10/2022 | 20:21 | ~ | 02/10/2022 | 20:31 | 11 | 1491 | 11 | 11.3 | 11 | 0 | 11 | 14.91 | 11 | 0.2 | 0.0 |
| START_UP | 02/11/2022 | 17:48 | ~ | 02/11/2022 | 18:12 | 25 | 8087.1 | 25 | 579 | 25 | 63.912 | 25 | 330.425 | 25 | 5.5 | 1.1 |
| SHUT_DOWN | 02/11/2022 | 18:59 | ~ | 02/11/2022 | 19:09 | 11 | 1486 | 11 | 9.6 | 11 | 0.244 | 11 | 17.507 | 11 | 0.3 | 0.0 |
| START_UP | 02/11/2022 | 21:17 | ~ | 02/11/2022 | 21:41 | 25 | 11571.3 | 25 | 1082.4 | 25 | 154.169 | 25 | 134.667 | 25 | 2.2 | 2.6 |
| SHUT_DOWN | 02/11/2022 | 22:58 | ~ | 02/11/2022 | 23:09 | 12 | 1665.7 | 12 | 19.5 | 12 | 0.041 | 12 | 21.167 | 12 | 0.4 | 0.0 |
| START_UP | 02/12/2022 | 17:28 | ~ | 02/12/2022 | 17:52 | 25 | 10996.4 | 25 | 974.2 | 25 | 140.701 | 25 | 422.364 | 25 | 7.0 | 2.3 |
| SHUT_DOWN | 02/12/2022 | 18:59 | ~ | 02/12/2022 | 19:09 | 11 | 1400.5 | 11 | 1.1 | 11 | 0.431 | 11 | 18.539 | 11 | 0.3 | 0.0 |
| START_UP | 02/12/2022 | 22:12 | ~ | 02/12/2022 | 22:36 | 25 | 10754.3 | 25 | 952.6 | 25 | 107.732 | 25 | 301.519 | 25 | 5.0 | 1.8 |
| SHUT_DOWN | 02/12/2022 | 23:29 | ~ | 02/12/2022 | 23:39 | 11 | 1379.2 | 11 | 0.8 | 11 | 0 | 11 | 20.392 | 11 | 0.3 | 0.0 |
| START_UP | 02/13/2022 | 17:48 | ~ | 02/13/2022 | 18:12 | 25 | 9617.499 | 25 | 787.7 | 25 | 150.626 | 25 | 415.917 | 25 | 6.9 | 2.5 |
| SHUT_DOWN | 02/13/2022 | 18:59 | ~ | 02/13/2022 | 19:09 | 11 | 1393.8 | 11 | 0.7 | 11 | 0.338 | 11 | 17.966 | 11 | 0.3 | 0.0 |
| START_UP | 02/13/2022 | 22:19 | ~ | 02/13/2022 | 22:43 | 25 | 10172.7 | 25 | 874.4 | 25 | 68.479 | 25 | 315.499 | 25 | 5.3 | 1.1 |
| SHUT_DOWN | 02/13/2022 | 23:32 | ~ | 02/13/2022 | 23:42 | 11 | 1469.7 | 11 | 9.6 | 11 | 0.009 | 11 | 22.426 | 11 | 0.4 | 0.0 |
| START_UP | 02/14/2022 | 18:28 | ~ | 02/14/2022 | 18:52 | 25 | 13307.1 | 25 | 1320.8 | 25 | 150.359 | 25 | 474.211 | 25 | 7.9 | 2.5 |
| SHUT_DOWN | 02/14/2022 | 20:44 | ~ | 02/14/2022 | 20:54 | 11 | 1400.9 | 11 | 1.2 | 11 | 0 | 11 | 15.917 | 11 | 0.3 | 0.0 |
| START_UP | 02/15/2022 | 17:17 | ~ | 02/15/2022 | 17:41 | 25 | 10488.8 | 25 | 926.1 | 25 | 133.547 | 25 | 457.92 | 25 | 7.6 | 2.2 |
| SHUT_DOWN | 02/15/2022 | 20:59 | ~ | 02/15/2022 | 21:09 | 11 | 1403.5 | 11 | 3.1 | 11 | 0.258 | 11 | 18.832 | 11 | 0.3 | 0.0 |
| START_UP | 02/16/2022 | 17:52 | ~ | 02/16/2022 | 18:16 | 25 | 8483.699 | 25 | 628.6 | 25 | 126.486 | 25 | 381.503 | 25 | 6.4 | 2.1 |

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|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|------|-----|
| SHUT_DOWN | 02/16/2022 | 19:13 | ~ | 02/16/2022 | 19:23 | 11 | 1529.3 | 11 | 13.7 | 11 | 0.033 | 11 | 19.148 | 11 | 0.3 | 0.0 |
| START_UP | 02/16/2022 | 21:46 | ~ | 02/16/2022 | 22:10 | 25 | 11947.8 | 25 | 1127 | 25 | 164.579 | 25 | 289.388 | 25 | 4.8 | 2.7 |
| SHUT_DOWN | 02/16/2022 | 22:59 | ~ | 02/16/2022 | 23:09 | 11 | 1393.9 | 11 | 0.8 | 11 | 0.003 | 11 | 20.216 | 11 | 0.3 | 0.0 |
| START_UP | 02/17/2022 | 17:22 | ~ | 02/17/2022 | 17:46 | 25 | 8355.901 | 25 | 619.6 | 25 | 208.781 | 25 | 375.228 | 25 | 6.3 | 3.5 |
| SHUT_DOWN | 02/17/2022 | 19:43 | ~ | 02/17/2022 | 19:54 | 12 | 1699.7 | 12 | 19.3 | 12 | 0 | 12 | 21.341 | 12 | 0.4 | 0.0 |
| START_UP | 02/17/2022 | 21:42 | ~ | 02/17/2022 | 22:06 | 25 | 13501.9 | 25 | 1345.9 | 25 | 161.963 | 25 | 156.667 | 25 | 2.6 | 2.7 |
| SHUT_DOWN | 02/17/2022 | 22:58 | ~ | 02/17/2022 | 23:09 | 12 | 1676.6 | 12 | 17.8 | 12 | 0 | 12 | 26.845 | 12 | 0.4 | 0.0 |
| START_UP | 02/18/2022 | 05:53 | ~ | 02/18/2022 | 06:17 | 25 | 8045.3 | 25 | 565.3 | 25 | 63.686 | 25 | 316.183 | 25 | 5.3 | 1.1 |
| SHUT_DOWN | 02/18/2022 | 06:59 | ~ | 02/18/2022 | 07:09 | 11 | 1404.2 | 11 | 2.4 | 11 | 2.074 | 11 | 21.632 | 11 | 0.4 | 0.0 |
| START_UP | 02/18/2022 | 19:48 | ~ | 02/18/2022 | 20:12 | 25 | 10877.3 | 25 | 975 | 25 | 118.901 | 25 | 492.596 | 25 | 8.2 | 2.0 |
| SHUT_DOWN | 02/18/2022 | 21:13 | ~ | 02/18/2022 | 21:24 | 12 | 1678.2 | 12 | 18.4 | 12 | 0 | 12 | 21.821 | 12 | 0.4 | 0.0 |
| START_UP | 02/19/2022 | 16:47 | ~ | 02/19/2022 | 17:11 | 25 | 8027.699 | 25 | 564.8 | 25 | 150.605 | 25 | 343.664 | 25 | 5.7 | 2.5 |
| SHUT_DOWN | 02/19/2022 | 20:43 | ~ | 02/19/2022 | 20:54 | 12 | 1675.8 | 12 | 18.9 | 12 | 0 | 12 | 21.25 | 12 | 0.4 | 0.0 |
| START_UP | 02/20/2022 | 16:22 | ~ | 02/20/2022 | 16:46 | 25 | 7973.5 | 25 | 559.4 | 25 | 172.446 | 25 | 364.202 | 25 | 6.1 | 2.9 |
| SHUT_DOWN | 02/20/2022 | 17:28 | ~ | 02/20/2022 | 17:38 | 11 | 1508.5 | 11 | 12.9 | 11 | 0 | 11 | 18.58 | 11 | 0.3 | 0.0 |
| START_UP | 02/21/2022 | 16:48 | ~ | 02/21/2022 | 17:12 | 25 | 8257.7 | 25 | 590.2 | 25 | 160.513 | 25 | 378.39 | 25 | 6.3 | 2.7 |
| SHUT_DOWN | 02/21/2022 | 20:13 | ~ | 02/21/2022 | 20:24 | 12 | 1686.3 | 12 | 20 | 12 | 0 | 12 | 21.531 | 12 | 0.4 | 0.0 |
| START_UP | 02/22/2022 | 05:52 | ~ | 02/22/2022 | 06:16 | 25 | 7959.5 | 25 | 563.2 | 25 | 163.318 | 25 | 341.418 | 25 | 5.7 | 2.7 |
| SHUT_DOWN | 02/22/2022 | 07:29 | ~ | 02/22/2022 | 07:39 | 11 | 1411.3 | 11 | 3 | 11 | 0 | 11 | 19.076 | 11 | 0.3 | 0.0 |
| START_UP | 02/22/2022 | 15:07 | ~ | 02/22/2022 | 15:31 | 25 | 9482.601 | 25 | 766 | 25 | 114.242 | 23 | 352.26 | 23 | 5.9 | 1.9 |
| SHUT_DOWN | 02/22/2022 | 21:28 | ~ | 02/22/2022 | 21:39 | 12 | 1676.6 | 12 | 19 | 12 | 0 | 12 | 22.356 | 12 | 0.4 | 0.0 |
| START_UP | 02/23/2022 | 05:52 | ~ | 02/23/2022 | 06:16 | 25 | 13176.8 | 25 | 1316.7 | 25 | 145.149 | 25 | 409.044 | 25 | 6.8 | 2.4 |
| SHUT_DOWN | 02/23/2022 | 06:59 | ~ | 02/23/2022 | 07:09 | 11 | 1423.3 | 11 | 3.5 | 11 | 0.007 | 11 | 15.824 | 11 | 0.3 | 0.0 |
| START_UP | 02/23/2022 | 16:37 | ~ | 02/23/2022 | 17:01 | 25 | 17790.6 | 25 | 1978.1 | 25 | 107.999 | 25 | 559.189 | 25 | 9.3 | 1.8 |
| SHUT_DOWN | 02/23/2022 | 21:45 | ~ | 02/23/2022 | 21:55 | 11 | 1385.1 | 11 | 0.7 | 11 | 0 | 11 | 21.009 | 11 | 0.4 | 0.0 |
| START_UP | 02/24/2022 | 05:52 | ~ | 02/24/2022 | 06:16 | 25 | 14625.1 | 25 | 1526.1 | 25 | 151.877 | 25 | 433.783 | 25 | 7.2 | 2.5 |
| SHUT_DOWN | 02/24/2022 | 07:29 | ~ | 02/24/2022 | 07:39 | 11 | 1399.7 | 11 | 2 | 11 | 0 | 11 | 22.576 | 11 | 0.4 | 0.0 |
| START_UP | 02/24/2022 | 16:53 | ~ | 02/24/2022 | 17:17 | 25 | 14392.7 | 25 | 1477 | 25 | 175.775 | 25 | 376.885 | 25 | 6.3 | 2.9 |
| SHUT_DOWN | 02/24/2022 | 20:13 | ~ | 02/24/2022 | 20:24 | 12 | 1650.4 | 12 | 15.1 | 12 | 0 | 12 | 25.542 | 12 | 0.4 | 0.0 |
| START_UP | 02/25/2022 | 05:52 | ~ | 02/25/2022 | 06:16 | 25 | 7922.8 | 25 | 561.6 | 25 | 177.411 | 25 | 350.625 | 25 | 5.8 | 3.0 |
| SHUT_DOWN | 02/25/2022 | 06:58 | ~ | 02/25/2022 | 07:09 | 12 | 1669.7 | 12 | 18.2 | 12 | 0 | 12 | 24.211 | 12 | 0.4 | 0.0 |
| START_UP | 02/25/2022 | 16:43 | ~ | 02/25/2022 | 17:07 | 25 | 8376.7 | 25 | 610.5 | 25 | 187.283 | 25 | 334.867 | 25 | 5.6 | 3.1 |
| SHUT_DOWN | 02/25/2022 | 20:58 | ~ | 02/25/2022 | 21:08 | 11 | 1526.9 | 11 | 15.6 | 11 | 0.04 | 11 | 22.809 | 11 | 0.4 | 0.0 |
| START_UP | 02/26/2022 | 16:37 | ~ | 02/26/2022 | 17:01 | 25 | 8299.6 | 25 | 604.2 | 25 | 251.245 | 25 | 371.682 | 25 | 6.2 | 4.2 |
| SHUT_DOWN | 02/26/2022 | 17:49 | ~ | 02/26/2022 | 17:59 | 11 | 1426.6 | 11 | 2.5 | 11 | 0.019 | 11 | 23.168 | 11 | 0.4 | 0.0 |
| START_UP | 02/27/2022 | 16:37 | ~ | 02/27/2022 | 17:01 | 25 | 10400.7 | 25 | 894.4 | 25 | 205.547 | 25 | 313.891 | 25 | 5.2 | 3.4 |
| SHUT_DOWN | 02/27/2022 | 19:58 | ~ | 02/27/2022 | 20:08 | 11 | 1511 | 11 | 13.5 | 11 | 0 | 11 | 13.082 | 11 | 0.2 | 0.0 |
| START_UP | 02/28/2022 | 05:52 | ~ | 02/28/2022 | 06:16 | 25 | 7945.4 | 25 | 565.3 | 25 | 147.618 | 25 | 379.625 | 25 | 6.3 | 2.5 |
| SHUT_DOWN | 02/28/2022 | 06:58 | ~ | 02/28/2022 | 07:08 | 11 | 1501.7 | 11 | 13.7 | 11 | 1.799 | 11 | 23.643 | 11 | 0.4 | 0.0 |
| START_UP | 02/28/2022 | 16:37 | ~ | 02/28/2022 | 17:01 | 25 | 7968.7 | 25 | 566.5 | 25 | 180.65 | 25 | 351.75 | 25 | 5.9 | 3.0 |
| SHUT_DOWN | 02/28/2022 | 20:58 | ~ | 02/28/2022 | 21:09 | 12 | 1673.5 | 12 | 19.1 | 12 | 0 | 12 | 23.939 | 12 | 0.4 | 0.0 |
| START_UP | 03/01/2022 | 05:52 | ~ | 03/01/2022 | 06:16 | 25 | 7968.2 | 25 | 567.7 | 25 | 146.998 | 25 | 370.81 | 25 | 6.2 | 2.4 |
| START_UP | 03/14/2022 | 07:22 | ~ | 03/14/2022 | 07:46 | 25 | 10660.3 | 25 | 912.2 | 25 | 237.337 | 25 | 410.058 | 25 | 6.8 | 4.0 |
| SHUT_DOWN | 03/14/2022 | 09:43 | ~ | 03/14/2022 | 09:53 | 11 | 1524.4 | 11 | 10.7 | 11 | 0.849 | 11 | 19.397 | 11 | 0.3 | 0.0 |
| START_UP | 03/14/2022 | 17:52 | ~ | 03/14/2022 | 18:16 | 25 | 9564.6 | 25 | 759.7 | 25 | 128.58 | 20 | 317.556 | 20 | 5.3 | 2.1 |
| SHUT_DOWN | 03/14/2022 | 19:13 | ~ | 03/14/2022 | 19:23 | 11 | 1512.2 | 11 | 9.2 | 11 | 1.07 | 11 | 14.951 | 11 | 0.2 | 0.0 |
| START_UP | 03/19/2022 | 07:40 | ~ | 03/19/2022 | 08:04 | 25 | 16904.7 | 25 | 1837.1 | 25 | 351.175 | 25 | 616.211 | 25 | 10.3 | 5.9 |
| SHUT_DOWN | 03/19/2022 | 19:39 | ~ | 03/19/2022 | 19:49 | 11 | 1546.4 | 11 | 15 | 11 | 0.828 | 11 | 18.856 | 11 | 0.3 | 0.0 |
| START_UP | 03/29/2022 | 17:17 | ~ | 03/29/2022 | 17:41 | 25 | 8269.901 | 25 | 577 | 25 | 100.43 | 25 | 349.438 | 25 | 5.8 | 1.7 |
| SHUT_DOWN | 03/29/2022 | 18:58 | ~ | 03/29/2022 | 19:08 | 11 | 1484.6 | 11 | 6.6 | 11 | 1.228 | 11 | 15.662 | 11 | 0.3 | 0.0 |

Startup / ShutDown Report
 Generated: 4/1/2022 08:07
 StartUp/ShutDown Event Report NRG Carlsbad Unit 7
 Carlsbad Unit 7

Company: NRG Carlsbad
 Plant: 4600 Carlsbad Blvd
 City/St: Carlsbad, CA 92008

Period Start: 1/1/2022 00:00
 Period End: 3/31/2022 23:59
 Unit Name: Unit7

| Events | Time | Duration (min) | Total 7_GasFlow (kscfh) | Valid Mins | Total 7Gross_MW (MW) | Valid Mins | Total 7COLBHR (LBHR) | Valid Mins | Total 7NOXLBHR (LBHR) | Valid Mins | NOx Lbs/Event | CO Lbs/Event |
|-----------|-------------------------------------|-------------------|-------------------------------|---------------|----------------------------|---------------|----------------------------|---------------|-----------------------------|---------------|------------------|-----------------|
| SHUT_DOWN | 01/02/2022 00:12 ~ 01/02/2022 00:22 | 11 | 1369.2 | 11 | 0 | 11 | 0.737 | 11 | 11.775 | 11 | 0.2 | 0.0 |
| START_UP | 01/02/2022 16:23 ~ 01/02/2022 16:47 | 25 | 8696.399 | 25 | 656.6 | 25 | 55.251 | 25 | 315.945 | 25 | 5.3 | 0.9 |
| SHUT_DOWN | 01/02/2022 22:59 ~ 01/02/2022 23:09 | 11 | 1482.6 | 11 | 10.2 | 11 | 0.828 | 11 | 12.521 | 11 | 0.2 | 0.0 |
| START_UP | 01/03/2022 05:53 ~ 01/03/2022 06:17 | 25 | 9019.399 | 25 | 689.2 | 25 | 142.075 | 25 | 281.342 | 25 | 4.7 | 2.4 |
| SHUT_DOWN | 01/03/2022 08:59 ~ 01/03/2022 09:09 | 11 | 1417.1 | 11 | 3.6 | 11 | 0.805 | 11 | 12.929 | 11 | 0.2 | 0.0 |
| START_UP | 01/03/2022 14:53 ~ 01/03/2022 15:17 | 25 | 8801.9 | 25 | 663.9 | 25 | 119.756 | 25 | 271.315 | 25 | 4.5 | 2.0 |
| SHUT_DOWN | 01/03/2022 21:59 ~ 01/03/2022 22:09 | 11 | 1424.2 | 11 | 4.3 | 11 | 1.121 | 11 | 11.314 | 11 | 0.2 | 0.0 |
| START_UP | 01/04/2022 16:48 ~ 01/04/2022 17:12 | 25 | 9958.3 | 25 | 832.3 | 25 | 79.712 | 25 | 376.733 | 25 | 6.3 | 1.3 |
| SHUT_DOWN | 01/04/2022 19:59 ~ 01/04/2022 20:09 | 11 | 1519.6 | 11 | 15.8 | 11 | 1.285 | 11 | 10.231 | 11 | 0.2 | 0.0 |
| START_UP | 01/05/2022 14:53 ~ 01/05/2022 15:17 | 25 | 7873.8 | 25 | 542.9 | 25 | 45.001 | 25 | 298.965 | 25 | 5.0 | 0.8 |
| SHUT_DOWN | 01/05/2022 20:01 ~ 01/05/2022 20:11 | 11 | 1393 | 11 | 1.4 | 11 | 1.293 | 11 | 8.53 | 11 | 0.1 | 0.0 |
| START_UP | 01/06/2022 06:23 ~ 01/06/2022 06:47 | 25 | 7951.9 | 25 | 558.9 | 25 | 64.103 | 25 | 301.954 | 25 | 5.0 | 1.1 |
| SHUT_DOWN | 01/06/2022 08:14 ~ 01/06/2022 08:24 | 11 | 1432.9 | 11 | 6.3 | 11 | 2.701 | 11 | 10.681 | 11 | 0.2 | 0.0 |
| START_UP | 01/06/2022 16:48 ~ 01/06/2022 17:12 | 25 | 11901.1 | 25 | 1097.2 | 25 | 65.58 | 25 | 380.115 | 25 | 6.3 | 1.1 |
| SHUT_DOWN | 01/06/2022 21:59 ~ 01/06/2022 22:09 | 11 | 1498.6 | 11 | 14.2 | 11 | 2.251 | 11 | 10.11 | 11 | 0.2 | 0.0 |
| START_UP | 01/07/2022 06:23 ~ 01/07/2022 06:47 | 25 | 7947.001 | 25 | 557.9 | 25 | 61.377 | 25 | 300.123 | 25 | 5.0 | 1.0 |
| SHUT_DOWN | 01/07/2022 07:29 ~ 01/07/2022 07:39 | 11 | 1427.4 | 11 | 5.9 | 11 | 3.468 | 11 | 10.006 | 11 | 0.2 | 0.1 |
| START_UP | 01/07/2022 16:43 ~ 01/07/2022 17:07 | 25 | 12603.1 | 25 | 1206.9 | 25 | 82.979 | 25 | 423.591 | 25 | 7.1 | 1.4 |
| SHUT_DOWN | 01/07/2022 17:59 ~ 01/07/2022 18:10 | 12 | 1683.6 | 12 | 19.7 | 12 | 2.78 | 12 | 11.025 | 12 | 0.2 | 0.0 |
| START_UP | 01/07/2022 19:19 ~ 01/07/2022 19:43 | 25 | 10120.7 | 25 | 863.9 | 25 | 49.147 | 25 | 116.351 | 25 | 1.9 | 0.8 |
| SHUT_DOWN | 01/07/2022 20:30 ~ 01/07/2022 20:40 | 11 | 1395.8 | 11 | 1.7 | 11 | 2.275 | 11 | 9.254 | 11 | 0.2 | 0.0 |
| START_UP | 01/08/2022 16:27 ~ 01/08/2022 16:51 | 25 | 10983.9 | 25 | 967.8 | 25 | 191.235 | 25 | 406.867 | 25 | 6.8 | 3.2 |
| SHUT_DOWN | 01/08/2022 19:59 ~ 01/08/2022 20:09 | 11 | 1407.1 | 11 | 3.2 | 11 | 2.446 | 11 | 9.52 | 11 | 0.2 | 0.0 |
| START_UP | 01/08/2022 20:53 ~ 01/08/2022 21:17 | 25 | 7960.6 | 25 | 555.8 | 25 | 40.796 | 25 | 89.389 | 25 | 1.5 | 0.7 |
| SHUT_DOWN | 01/08/2022 21:59 ~ 01/08/2022 22:09 | 11 | 1420.4 | 11 | 4.5 | 11 | 3.78 | 11 | 10.117 | 11 | 0.2 | 0.1 |
| START_UP | 01/09/2022 16:43 ~ 01/09/2022 17:07 | 25 | 12343 | 25 | 1160.6 | 25 | 83.609 | 25 | 423.351 | 25 | 7.1 | 1.4 |
| SHUT_DOWN | 01/09/2022 21:14 ~ 01/09/2022 21:25 | 12 | 1700.7 | 12 | 18.4 | 12 | 3.319 | 12 | 12.595 | 12 | 0.2 | 0.1 |
| START_UP | 01/10/2022 06:58 ~ 01/10/2022 07:22 | 25 | 10602.3 | 25 | 917.2 | 25 | 90.464 | 25 | 397.351 | 25 | 6.6 | 1.5 |
| SHUT_DOWN | 01/10/2022 09:29 ~ 01/10/2022 09:39 | 11 | 1409.6 | 11 | 2.6 | 11 | 2.446 | 11 | 10.328 | 11 | 0.2 | 0.0 |
| START_UP | 01/10/2022 17:48 ~ 01/10/2022 18:12 | 25 | 8393.899 | 25 | 613.6 | 25 | 87.788 | 25 | 278.01 | 25 | 4.6 | 1.5 |
| SHUT_DOWN | 01/10/2022 22:14 ~ 01/10/2022 22:25 | 12 | 1676.3 | 12 | 16.6 | 12 | 3.298 | 12 | 12.396 | 12 | 0.2 | 0.1 |
| START_UP | 01/11/2022 06:53 ~ 01/11/2022 07:17 | 25 | 8014.2 | 25 | 558 | 25 | 50.666 | 25 | 285.781 | 25 | 4.8 | 0.8 |
| SHUT_DOWN | 01/11/2022 10:29 ~ 01/11/2022 10:39 | 11 | 1458.1 | 11 | 5.9 | 11 | 3.155 | 11 | 9.684 | 11 | 0.2 | 0.1 |
| START_UP | 01/11/2022 19:18 ~ 01/11/2022 19:42 | 25 | 11348.7 | 25 | 1034.6 | 25 | 66.376 | 25 | 415.002 | 25 | 6.9 | 1.1 |
| SHUT_DOWN | 01/11/2022 20:59 ~ 01/11/2022 21:09 | 11 | 1429.2 | 11 | 5.4 | 11 | 2.84 | 11 | 10.422 | 11 | 0.2 | 0.0 |
| START_UP | 01/12/2022 06:23 ~ 01/12/2022 06:47 | 25 | 7988.9 | 25 | 558 | 25 | 49.203 | 25 | 299.205 | 25 | 5.0 | 0.8 |
| SHUT_DOWN | 01/12/2022 11:14 ~ 01/12/2022 11:24 | 11 | 1461.5 | 11 | 7.4 | 11 | 3.19 | 11 | 9.515 | 11 | 0.2 | 0.1 |
| START_UP | 01/12/2022 16:42 ~ 01/12/2022 17:06 | 25 | 10687.5 | 25 | 939.8 | 25 | 124.434 | 25 | 326.208 | 25 | 5.4 | 2.1 |
| SHUT_DOWN | 01/12/2022 21:14 ~ 01/12/2022 21:25 | 12 | 1617.7 | 12 | 13.6 | 12 | 2.77 | 12 | 11.47 | 12 | 0.2 | 0.0 |
| START_UP | 01/13/2022 05:53 ~ 01/13/2022 06:17 | 25 | 8223.9 | 25 | 588.3 | 25 | 56.323 | 25 | 296.612 | 25 | 4.9 | 0.9 |
| SHUT_DOWN | 01/13/2022 08:14 ~ 01/13/2022 08:24 | 11 | 1461 | 11 | 8.6 | 11 | 2.297 | 11 | 12.921 | 11 | 0.2 | 0.0 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| START_UP | 01/13/2022 | 16:28 | ~ | 01/13/2022 | 16:52 | 25 | 12341.6 | 25 | 1171.2 | 25 | 53.16 | 25 | 419.173 | 25 | 7.0 | 0.9 |
| SHUT_DOWN | 01/13/2022 | 19:59 | ~ | 01/13/2022 | 20:09 | 11 | 1427 | 11 | 5.9 | 11 | 1.824 | 11 | 9.436 | 11 | 0.2 | 0.0 |
| START_UP | 01/14/2022 | 05:53 | ~ | 01/14/2022 | 06:17 | 25 | 8050.4 | 25 | 568.2 | 25 | 171.087 | 25 | 297.438 | 25 | 5.0 | 2.9 |
| SHUT_DOWN | 01/14/2022 | 09:14 | ~ | 01/14/2022 | 09:24 | 11 | 1431.7 | 11 | 6.7 | 11 | 2.181 | 11 | 9.388 | 11 | 0.2 | 0.0 |
| START_UP | 01/14/2022 | 14:53 | ~ | 01/14/2022 | 15:17 | 25 | 8031.9 | 25 | 565.6 | 25 | 138.384 | 14 | 232.869 | 14 | 3.9 | 2.3 |
| SHUT_DOWN | 01/14/2022 | 19:59 | ~ | 01/14/2022 | 20:09 | 11 | 1440.7 | 11 | 7.3 | 11 | 2.135 | 11 | 9.559 | 11 | 0.2 | 0.0 |
| START_UP | 01/15/2022 | 16:48 | ~ | 01/15/2022 | 17:12 | 25 | 10068.8 | 25 | 857.8 | 25 | 70.927 | 25 | 400.761 | 25 | 6.7 | 1.2 |
| SHUT_DOWN | 01/15/2022 | 19:59 | ~ | 01/15/2022 | 20:09 | 11 | 1398.3 | 11 | 2.5 | 11 | 2.034 | 11 | 8.796 | 11 | 0.1 | 0.0 |
| START_UP | 01/16/2022 | 16:48 | ~ | 01/16/2022 | 17:12 | 25 | 9218.7 | 25 | 734.8 | 25 | 71.809 | 25 | 359.544 | 25 | 6.0 | 1.2 |
| SHUT_DOWN | 01/16/2022 | 22:14 | ~ | 01/16/2022 | 22:24 | 11 | 1402.9 | 11 | 4 | 11 | 2.152 | 11 | 8.458 | 11 | 0.1 | 0.0 |
| START_UP | 01/17/2022 | 16:48 | ~ | 01/17/2022 | 17:12 | 25 | 9594.5 | 25 | 784.2 | 25 | 68.977 | 25 | 371.019 | 25 | 6.2 | 1.1 |
| SHUT_DOWN | 01/17/2022 | 22:14 | ~ | 01/17/2022 | 22:24 | 11 | 1405.2 | 11 | 3.4 | 11 | 2.5 | 11 | 8.604 | 11 | 0.1 | 0.0 |
| START_UP | 01/18/2022 | 16:33 | ~ | 01/18/2022 | 16:57 | 25 | 9673.5 | 25 | 789.3 | 25 | 66.925 | 25 | 394.429 | 25 | 6.6 | 1.1 |
| SHUT_DOWN | 01/18/2022 | 19:59 | ~ | 01/18/2022 | 20:09 | 11 | 1488.8 | 11 | 11.5 | 11 | 2.397 | 11 | 9.034 | 11 | 0.2 | 0.0 |
| START_UP | 01/19/2022 | 05:53 | ~ | 01/19/2022 | 06:17 | 25 | 7988 | 25 | 558.1 | 25 | 62.85 | 25 | 291.757 | 25 | 4.9 | 1.0 |
| SHUT_DOWN | 01/19/2022 | 08:14 | ~ | 01/19/2022 | 08:24 | 11 | 1404.8 | 11 | 3.2 | 11 | 2.211 | 11 | 8.48 | 11 | 0.1 | 0.0 |
| START_UP | 01/19/2022 | 16:53 | ~ | 01/19/2022 | 17:17 | 25 | 7945.199 | 25 | 555.1 | 25 | 59.395 | 25 | 282.767 | 25 | 4.7 | 1.0 |
| SHUT_DOWN | 01/19/2022 | 19:59 | ~ | 01/19/2022 | 20:09 | 11 | 1426.5 | 11 | 5.6 | 11 | 2.456 | 11 | 8.716 | 11 | 0.1 | 0.0 |
| START_UP | 01/19/2022 | 20:52 | ~ | 01/19/2022 | 21:16 | 25 | 7924.8 | 25 | 554.5 | 25 | 15.273 | 25 | 78.042 | 25 | 1.3 | 0.3 |
| SHUT_DOWN | 01/19/2022 | 21:59 | ~ | 01/19/2022 | 22:09 | 11 | 1428.7 | 11 | 5.3 | 11 | 2.145 | 11 | 9.19 | 11 | 0.2 | 0.0 |
| START_UP | 01/20/2022 | 07:03 | ~ | 01/20/2022 | 07:27 | 25 | 10685.9 | 25 | 938.6 | 25 | 64.456 | 25 | 436.198 | 25 | 7.3 | 1.1 |
| SHUT_DOWN | 01/20/2022 | 08:59 | ~ | 01/20/2022 | 09:09 | 11 | 1486.4 | 11 | 12.2 | 11 | 3.336 | 11 | 9.932 | 11 | 0.2 | 0.1 |
| START_UP | 01/20/2022 | 16:18 | ~ | 01/20/2022 | 16:42 | 25 | 9691.399 | 25 | 795.7 | 25 | 156.689 | 25 | 372.812 | 25 | 6.2 | 2.6 |
| SHUT_DOWN | 01/20/2022 | 21:14 | ~ | 01/20/2022 | 21:24 | 11 | 1506.6 | 11 | 13.9 | 11 | 0.95 | 11 | 10.046 | 11 | 0.2 | 0.0 |
| START_UP | 01/21/2022 | 07:53 | ~ | 01/21/2022 | 08:17 | 25 | 7877.5 | 25 | 552.7 | 25 | 103.331 | 25 | 306.858 | 25 | 5.1 | 1.7 |
| SHUT_DOWN | 01/21/2022 | 08:59 | ~ | 01/21/2022 | 09:09 | 11 | 1414.9 | 11 | 4.6 | 11 | 1.402 | 11 | 10.254 | 11 | 0.2 | 0.0 |
| START_UP | 01/21/2022 | 16:53 | ~ | 01/21/2022 | 17:17 | 25 | 7778.201 | 25 | 545.3 | 25 | 113.27 | 25 | 280.139 | 25 | 4.7 | 1.9 |
| SHUT_DOWN | 01/21/2022 | 19:59 | ~ | 01/21/2022 | 20:09 | 11 | 1384.9 | 11 | 1.8 | 11 | 1.139 | 11 | 8.906 | 11 | 0.1 | 0.0 |
| START_UP | 01/22/2022 | 17:48 | ~ | 01/22/2022 | 18:12 | 25 | 10704.6 | 25 | 938.1 | 25 | 60.581 | 25 | 443.943 | 25 | 7.4 | 1.0 |
| SHUT_DOWN | 01/22/2022 | 18:59 | ~ | 01/22/2022 | 19:09 | 11 | 1423.6 | 11 | 5.1 | 11 | 0.992 | 11 | 9.795 | 11 | 0.2 | 0.0 |
| START_UP | 01/22/2022 | 19:52 | ~ | 01/22/2022 | 20:16 | 25 | 7874.901 | 25 | 548.2 | 25 | 12.79 | 25 | 98.395 | 25 | 1.6 | 0.2 |
| SHUT_DOWN | 01/22/2022 | 20:59 | ~ | 01/22/2022 | 21:09 | 11 | 1429.7 | 11 | 5.3 | 11 | 1.062 | 11 | 10.68 | 11 | 0.2 | 0.0 |
| START_UP | 01/23/2022 | 16:38 | ~ | 01/23/2022 | 17:02 | 25 | 9083.199 | 25 | 702.2 | 25 | 94.744 | 25 | 344.421 | 25 | 5.7 | 1.6 |
| SHUT_DOWN | 01/23/2022 | 22:14 | ~ | 01/23/2022 | 22:24 | 11 | 1420.6 | 11 | 4.2 | 11 | 1.153 | 11 | 11.991 | 11 | 0.2 | 0.0 |
| START_UP | 01/24/2022 | 07:48 | ~ | 01/24/2022 | 08:12 | 25 | 11460.7 | 25 | 1039.7 | 25 | 73.744 | 25 | 389.792 | 25 | 6.5 | 1.2 |
| SHUT_DOWN | 01/24/2022 | 09:14 | ~ | 01/24/2022 | 09:24 | 11 | 1405.9 | 11 | 3.1 | 11 | 1.456 | 11 | 12.015 | 11 | 0.2 | 0.0 |
| START_UP | 01/24/2022 | 16:33 | ~ | 01/24/2022 | 16:57 | 25 | 9269.301 | 25 | 742.7 | 25 | 119.905 | 25 | 329.757 | 25 | 5.5 | 2.0 |
| SHUT_DOWN | 01/24/2022 | 21:14 | ~ | 01/24/2022 | 21:24 | 11 | 1386.5 | 11 | 2.3 | 11 | 1.167 | 11 | 9.15 | 11 | 0.2 | 0.0 |
| START_UP | 01/25/2022 | 05:53 | ~ | 01/25/2022 | 06:17 | 25 | 7930.1 | 25 | 558.3 | 25 | 53.312 | 25 | 299.164 | 25 | 5.0 | 0.9 |
| SHUT_DOWN | 01/25/2022 | 09:14 | ~ | 01/25/2022 | 09:24 | 11 | 1485.6 | 11 | 12.8 | 11 | 1.871 | 11 | 10.69 | 11 | 0.2 | 0.0 |
| START_UP | 01/25/2022 | 16:48 | ~ | 01/25/2022 | 17:12 | 25 | 9447 | 25 | 768.8 | 25 | 54.965 | 17 | 340.618 | 17 | 5.7 | 0.9 |
| SHUT_DOWN | 01/25/2022 | 21:59 | ~ | 01/25/2022 | 22:09 | 11 | 1413.6 | 11 | 4.2 | 11 | 1.631 | 11 | 9.555 | 11 | 0.2 | 0.0 |
| START_UP | 01/26/2022 | 05:53 | ~ | 01/26/2022 | 06:17 | 25 | 8016.7 | 25 | 562.8 | 25 | 180.111 | 25 | 294.472 | 25 | 4.9 | 3.0 |
| SHUT_DOWN | 01/26/2022 | 09:14 | ~ | 01/26/2022 | 09:24 | 11 | 1407.7 | 11 | 3.3 | 11 | 1.745 | 11 | 12.11 | 11 | 0.2 | 0.0 |
| START_UP | 01/26/2022 | 15:23 | ~ | 01/26/2022 | 15:47 | 25 | 8066.2 | 25 | 565.8 | 25 | 152.915 | 25 | 262.99 | 25 | 4.4 | 2.5 |
| SHUT_DOWN | 01/26/2022 | 19:59 | ~ | 01/26/2022 | 20:09 | 11 | 1407.7 | 11 | 1.3 | 11 | 1.262 | 11 | 9.156 | 11 | 0.2 | 0.0 |
| START_UP | 01/27/2022 | 05:53 | ~ | 01/27/2022 | 06:17 | 25 | 8029.7 | 25 | 557.4 | 25 | 42.803 | 25 | 311.011 | 25 | 5.2 | 0.7 |
| SHUT_DOWN | 01/27/2022 | 08:59 | ~ | 01/27/2022 | 09:09 | 11 | 1481.6 | 11 | 9.9 | 11 | 0.818 | 11 | 11.362 | 11 | 0.2 | 0.0 |
| START_UP | 01/28/2022 | 09:23 | ~ | 01/28/2022 | 09:47 | 25 | 10735.7 | 25 | 939.5 | 25 | 196.523 | 25 | 390.555 | 25 | 6.5 | 3.3 |
| SHUT_DOWN | 01/28/2022 | 11:14 | ~ | 01/28/2022 | 11:24 | 11 | 1388.1 | 11 | 0.8 | 11 | 0.535 | 11 | 9.582 | 11 | 0.2 | 0.0 |
| START_UP | 01/28/2022 | 16:53 | ~ | 01/28/2022 | 17:17 | 25 | 7988.1 | 25 | 553.5 | 25 | 43.692 | 25 | 264.05 | 25 | 4.4 | 0.7 |
| SHUT_DOWN | 01/28/2022 | 17:59 | ~ | 01/28/2022 | 18:09 | 11 | 1410.5 | 11 | 3.3 | 11 | 0.675 | 11 | 9.973 | 11 | 0.2 | 0.0 |
| START_UP | 01/28/2022 | 18:52 | ~ | 01/28/2022 | 19:16 | 25 | 7927.9 | 25 | 552.3 | 25 | 9.914 | 25 | 97.768 | 25 | 1.6 | 0.2 |
| SHUT_DOWN | 01/28/2022 | 19:59 | ~ | 01/28/2022 | 20:09 | 11 | 1395.5 | 11 | 2.4 | 11 | 0.352 | 11 | 12.989 | 11 | 0.2 | 0.0 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| START_UP | 01/29/2022 | 16:38 | ~ | 01/29/2022 | 17:02 | 25 | 8031.599 | 25 | 563.5 | 25 | 171.918 | 25 | 324.375 | 25 | 5.4 | 2.9 |
| SHUT_DOWN | 01/29/2022 | 18:04 | ~ | 01/29/2022 | 18:14 | 11 | 1467.5 | 11 | 8.7 | 11 | 0.523 | 11 | 9.706 | 11 | 0.2 | 0.0 |
| START_UP | 01/29/2022 | 19:17 | ~ | 01/29/2022 | 19:41 | 25 | 9567.5 | 25 | 794.4 | 25 | 29.245 | 25 | 131.944 | 25 | 2.2 | 0.5 |
| SHUT_DOWN | 01/29/2022 | 20:38 | ~ | 01/29/2022 | 20:49 | 12 | 1676.9 | 12 | 18.4 | 12 | 1.045 | 12 | 11.916 | 12 | 0.2 | 0.0 |
| START_UP | 01/30/2022 | 15:53 | ~ | 01/30/2022 | 16:17 | 25 | 7914.3 | 25 | 549.7 | 25 | 203.035 | 25 | 306.982 | 25 | 5.1 | 3.4 |
| SHUT_DOWN | 01/30/2022 | 18:59 | ~ | 01/30/2022 | 19:09 | 11 | 1405 | 11 | 3.3 | 11 | 0.689 | 11 | 8.653 | 11 | 0.1 | 0.0 |
| START_UP | 01/30/2022 | 19:52 | ~ | 01/30/2022 | 20:16 | 25 | 7813.7 | 25 | 547.3 | 25 | 13.086 | 25 | 81.42 | 25 | 1.4 | 0.2 |
| SHUT_DOWN | 01/30/2022 | 20:59 | ~ | 01/30/2022 | 21:09 | 11 | 1390.6 | 11 | 2.1 | 11 | 0.91 | 11 | 9.329 | 11 | 0.2 | 0.0 |
| START_UP | 01/31/2022 | 05:53 | ~ | 01/31/2022 | 06:17 | 25 | 7972.4 | 25 | 563.1 | 25 | 185.714 | 25 | 317.324 | 25 | 5.3 | 3.1 |
| SHUT_DOWN | 01/31/2022 | 09:14 | ~ | 01/31/2022 | 09:24 | 11 | 1380 | 11 | 1.8 | 11 | 0.66 | 11 | 10.688 | 11 | 0.2 | 0.0 |
| START_UP | 01/31/2022 | 13:52 | ~ | 01/31/2022 | 14:16 | 25 | 12499.6 | 25 | 1212.8 | 25 | 64.507 | 25 | 270.054 | 25 | 4.5 | 1.1 |
| SHUT_DOWN | 01/31/2022 | 20:14 | ~ | 01/31/2022 | 20:24 | 11 | 1400.2 | 11 | 4 | 11 | 0.715 | 11 | 9.075 | 11 | 0.2 | 0.0 |
| START_UP | 02/01/2022 | 05:52 | ~ | 02/01/2022 | 06:16 | 25 | 7755.8 | 25 | 544.6 | 25 | 117.911 | 25 | 292.532 | 25 | 4.9 | 2.0 |
| START_UP | 02/02/2022 | 07:47 | ~ | 02/02/2022 | 08:11 | 25 | 9955.799 | 25 | 847.7 | 25 | 139.465 | 25 | 368.725 | 25 | 6.1 | 2.3 |
| SHUT_DOWN | 02/02/2022 | 08:59 | ~ | 02/02/2022 | 09:09 | 11 | 1396.4 | 11 | 1.9 | 11 | 0.825 | 11 | 12.973 | 11 | 0.2 | 0.0 |
| START_UP | 02/02/2022 | 17:17 | ~ | 02/02/2022 | 17:41 | 25 | 10585.8 | 25 | 929.4 | 25 | 87.838 | 25 | 441.424 | 25 | 7.4 | 1.5 |
| SHUT_DOWN | 02/02/2022 | 18:59 | ~ | 02/02/2022 | 19:09 | 11 | 1369.4 | 11 | 0.5 | 11 | 0.561 | 11 | 12.558 | 11 | 0.2 | 0.0 |
| START_UP | 02/02/2022 | 19:52 | ~ | 02/02/2022 | 20:16 | 25 | 7999.199 | 25 | 561.9 | 25 | 46.492 | 25 | 102.382 | 25 | 1.7 | 0.8 |
| SHUT_DOWN | 02/02/2022 | 20:58 | ~ | 02/02/2022 | 21:09 | 12 | 1671 | 12 | 18 | 12 | 0.981 | 12 | 18.569 | 12 | 0.3 | 0.0 |
| START_UP | 02/03/2022 | 05:52 | ~ | 02/03/2022 | 06:16 | 25 | 8334.1 | 25 | 608.8 | 25 | 107.367 | 25 | 323.467 | 25 | 5.4 | 1.8 |
| SHUT_DOWN | 02/03/2022 | 07:07 | ~ | 02/03/2022 | 07:17 | 11 | 1417.7 | 11 | 3.1 | 11 | 2.383 | 11 | 15.905 | 11 | 0.3 | 0.0 |
| START_UP | 02/03/2022 | 17:28 | ~ | 02/03/2022 | 17:52 | 25 | 13641.5 | 25 | 1367 | 25 | 200.103 | 25 | 433.849 | 25 | 7.2 | 3.3 |
| SHUT_DOWN | 02/03/2022 | 22:14 | ~ | 02/03/2022 | 22:24 | 11 | 1411 | 11 | 2.4 | 11 | 2.083 | 11 | 12.327 | 11 | 0.2 | 0.0 |
| START_UP | 02/04/2022 | 05:53 | ~ | 02/04/2022 | 06:17 | 25 | 12294 | 25 | 1153.1 | 25 | 156.55 | 25 | 317.696 | 25 | 5.3 | 2.6 |
| SHUT_DOWN | 02/04/2022 | 09:14 | ~ | 02/04/2022 | 09:24 | 11 | 1385.5 | 11 | 0.7 | 11 | 1.958 | 11 | 11.623 | 11 | 0.2 | 0.0 |
| START_UP | 02/04/2022 | 17:48 | ~ | 02/04/2022 | 18:12 | 25 | 8500.5 | 25 | 619 | 25 | 55.14 | 25 | 291.696 | 25 | 4.9 | 0.9 |
| SHUT_DOWN | 02/04/2022 | 22:59 | ~ | 02/04/2022 | 23:09 | 11 | 1407.1 | 11 | 1.8 | 11 | 2.427 | 11 | 14.261 | 11 | 0.2 | 0.0 |
| START_UP | 02/05/2022 | 17:53 | ~ | 02/05/2022 | 18:17 | 25 | 8114.8 | 25 | 567 | 25 | 127.245 | 25 | 301.317 | 25 | 5.0 | 2.1 |
| SHUT_DOWN | 02/05/2022 | 18:59 | ~ | 02/05/2022 | 19:09 | 11 | 1475.8 | 11 | 9.4 | 11 | 2.167 | 11 | 10.14 | 11 | 0.2 | 0.0 |
| START_UP | 02/05/2022 | 19:54 | ~ | 02/05/2022 | 20:18 | 25 | 8338.899 | 25 | 591.2 | 25 | 30.801 | 25 | 99.59 | 25 | 1.7 | 0.5 |
| SHUT_DOWN | 02/05/2022 | 21:00 | ~ | 02/05/2022 | 21:10 | 11 | 1471.9 | 11 | 8.4 | 11 | 2.305 | 11 | 13.018 | 11 | 0.2 | 0.0 |
| START_UP | 02/06/2022 | 17:52 | ~ | 02/06/2022 | 18:16 | 25 | 8070.3 | 25 | 565 | 25 | 157.248 | 24 | 301.327 | 24 | 5.0 | 2.6 |
| SHUT_DOWN | 02/06/2022 | 18:59 | ~ | 02/06/2022 | 19:09 | 11 | 1408.9 | 11 | 2.4 | 11 | 2.101 | 11 | 9.42 | 11 | 0.2 | 0.0 |
| START_UP | 02/06/2022 | 19:52 | ~ | 02/06/2022 | 20:16 | 25 | 8265.399 | 25 | 582.1 | 25 | 23.408 | 25 | 99.84 | 25 | 1.7 | 0.4 |
| SHUT_DOWN | 02/06/2022 | 20:58 | ~ | 02/06/2022 | 21:09 | 12 | 1698.2 | 12 | 19.6 | 12 | 2.402 | 12 | 13.95 | 12 | 0.2 | 0.0 |
| START_UP | 02/07/2022 | 18:48 | ~ | 02/07/2022 | 19:12 | 25 | 10991.7 | 25 | 993.3 | 25 | 60.621 | 25 | 461.438 | 25 | 7.7 | 1.0 |
| SHUT_DOWN | 02/07/2022 | 19:59 | ~ | 02/07/2022 | 20:09 | 11 | 1492.5 | 11 | 12.1 | 11 | 1.943 | 11 | 11.129 | 11 | 0.2 | 0.0 |
| START_UP | 02/07/2022 | 21:47 | ~ | 02/07/2022 | 22:11 | 25 | 7800.599 | 25 | 554 | 25 | 78.968 | 25 | 104.127 | 25 | 1.7 | 1.3 |
| SHUT_DOWN | 02/07/2022 | 22:59 | ~ | 02/07/2022 | 23:09 | 11 | 1453.3 | 11 | 9.1 | 11 | 2.036 | 11 | 15.283 | 11 | 0.3 | 0.0 |
| START_UP | 02/08/2022 | 06:52 | ~ | 02/08/2022 | 07:16 | 25 | 16695.5 | 25 | 1863.4 | 25 | 157.234 | 25 | 508.589 | 25 | 8.5 | 2.6 |
| SHUT_DOWN | 02/08/2022 | 09:35 | ~ | 02/08/2022 | 09:45 | 11 | 1421.9 | 11 | 4.7 | 11 | 2.314 | 11 | 12.744 | 11 | 0.2 | 0.0 |
| START_UP | 02/08/2022 | 11:57 | ~ | 02/08/2022 | 12:21 | 25 | 14593.7 | 25 | 1534.4 | 25 | 117.446 | 25 | 93.065 | 25 | 1.6 | 2.0 |
| SHUT_DOWN | 02/08/2022 | 23:59 | ~ | 02/09/2022 | 00:09 | 11 | 1373.3 | 11 | 0.6 | 11 | 2.52 | 11 | 9.34 | 11 | 0.2 | 0.0 |
| START_UP | 02/09/2022 | 15:52 | ~ | 02/09/2022 | 16:16 | 25 | 7779.1 | 25 | 542.7 | 25 | 103.594 | 25 | 298.05 | 25 | 5.0 | 1.7 |
| SHUT_DOWN | 02/09/2022 | 20:59 | ~ | 02/09/2022 | 21:09 | 11 | 1384.5 | 11 | 0.9 | 11 | 1.903 | 11 | 8.493 | 11 | 0.1 | 0.0 |
| START_UP | 02/09/2022 | 22:20 | ~ | 02/09/2022 | 22:44 | 25 | 9377.201 | 25 | 763.2 | 25 | 53.129 | 25 | 110.15 | 25 | 1.8 | 0.9 |
| SHUT_DOWN | 02/09/2022 | 23:29 | ~ | 02/09/2022 | 23:39 | 11 | 1364.3 | 11 | 0.8 | 11 | 1.758 | 11 | 8.377 | 11 | 0.1 | 0.0 |
| START_UP | 02/10/2022 | 19:03 | ~ | 02/10/2022 | 19:27 | 25 | 8518.601 | 25 | 633.7 | 25 | 75.721 | 25 | 319.113 | 25 | 5.3 | 1.3 |
| SHUT_DOWN | 02/10/2022 | 20:21 | ~ | 02/10/2022 | 20:31 | 11 | 1481.1 | 11 | 10.2 | 11 | 1.932 | 11 | 7.575 | 11 | 0.1 | 0.0 |
| START_UP | 02/11/2022 | 17:48 | ~ | 02/11/2022 | 18:12 | 25 | 8152.099 | 25 | 583.8 | 25 | 207.037 | 25 | 300.781 | 25 | 5.0 | 3.5 |
| SHUT_DOWN | 02/11/2022 | 22:58 | ~ | 02/11/2022 | 23:09 | 12 | 1632.7 | 12 | 16.5 | 12 | 2.837 | 12 | 9.872 | 12 | 0.2 | 0.0 |
| START_UP | 02/12/2022 | 15:38 | ~ | 02/12/2022 | 16:02 | 25 | 7969.599 | 25 | 561 | 25 | 51.348 | 25 | 274.802 | 25 | 4.6 | 0.9 |
| SHUT_DOWN | 02/12/2022 | 23:29 | ~ | 02/12/2022 | 23:39 | 11 | 1377.2 | 11 | 1 | 11 | 2.592 | 11 | 9.623 | 11 | 0.2 | 0.0 |
| START_UP | 02/13/2022 | 17:48 | ~ | 02/13/2022 | 18:12 | 25 | 9687.801 | 25 | 790.6 | 25 | 167.83 | 25 | 379.832 | 25 | 6.3 | 2.8 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| SHUT_DOWN | 02/13/2022 | 21:00 | ~ | 02/13/2022 | 21:10 | 11 | 1388 | 11 | 0.8 | 11 | 2.683 | 11 | 10.147 | 11 | 0.2 | 0.0 |
| START_UP | 02/13/2022 | 22:19 | ~ | 02/13/2022 | 22:43 | 25 | 10268.1 | 25 | 879.9 | 25 | 58.806 | 25 | 137.231 | 25 | 2.3 | 1.0 |
| SHUT_DOWN | 02/13/2022 | 23:32 | ~ | 02/13/2022 | 23:42 | 11 | 1443.5 | 11 | 7.1 | 11 | 2.675 | 11 | 10.701 | 11 | 0.2 | 0.0 |
| START_UP | 02/14/2022 | 14:53 | ~ | 02/14/2022 | 15:17 | 25 | 8294.801 | 25 | 598.4 | 25 | 147.949 | 25 | 298.973 | 25 | 5.0 | 2.5 |
| SHUT_DOWN | 02/14/2022 | 21:59 | ~ | 02/14/2022 | 22:09 | 11 | 1373.4 | 11 | 0.8 | 11 | 0.014 | 11 | 8.189 | 11 | 0.1 | 0.0 |
| START_UP | 02/16/2022 | 17:52 | ~ | 02/16/2022 | 18:16 | 25 | 8281.199 | 25 | 598.4 | 25 | 96.463 | 25 | 317.21 | 25 | 5.3 | 1.6 |
| SHUT_DOWN | 02/16/2022 | 22:59 | ~ | 02/16/2022 | 23:09 | 11 | 1385 | 11 | 0.7 | 11 | 0.222 | 11 | 8.374 | 11 | 0.1 | 0.0 |
| START_UP | 02/17/2022 | 17:22 | ~ | 02/17/2022 | 17:46 | 25 | 8431.601 | 25 | 625.2 | 25 | 121.157 | 25 | 344.811 | 25 | 5.7 | 2.0 |
| SHUT_DOWN | 02/17/2022 | 22:58 | ~ | 02/17/2022 | 23:09 | 12 | 1660.2 | 12 | 16.3 | 12 | 0.819 | 12 | 10.068 | 12 | 0.2 | 0.0 |
| START_UP | 02/18/2022 | 16:52 | ~ | 02/18/2022 | 17:16 | 25 | 7786.101 | 25 | 539 | 25 | 141.014 | 25 | 286.436 | 25 | 4.8 | 2.4 |
| SHUT_DOWN | 02/18/2022 | 21:13 | ~ | 02/18/2022 | 21:24 | 12 | 1671 | 12 | 18.4 | 12 | 0.11 | 12 | 9.211 | 12 | 0.2 | 0.0 |
| START_UP | 02/19/2022 | 15:37 | ~ | 02/19/2022 | 16:01 | 25 | 7841.9 | 25 | 546.8 | 25 | 111.189 | 25 | 289.504 | 25 | 4.8 | 1.9 |
| SHUT_DOWN | 02/19/2022 | 20:43 | ~ | 02/19/2022 | 20:54 | 12 | 1674.6 | 12 | 19.9 | 12 | 0.071 | 12 | 8.975 | 12 | 0.1 | 0.0 |
| START_UP | 02/20/2022 | 16:22 | ~ | 02/20/2022 | 16:46 | 25 | 7940.7 | 25 | 556.9 | 25 | 143.859 | 25 | 297.959 | 25 | 5.0 | 2.4 |
| SHUT_DOWN | 02/20/2022 | 17:28 | ~ | 02/20/2022 | 17:39 | 12 | 1620.4 | 12 | 14.9 | 12 | 0.093 | 12 | 8.303 | 12 | 0.1 | 0.0 |
| START_UP | 02/21/2022 | 15:37 | ~ | 02/21/2022 | 16:01 | 25 | 8759.8 | 25 | 652.9 | 25 | 96.202 | 25 | 324.981 | 25 | 5.4 | 1.6 |
| SHUT_DOWN | 02/21/2022 | 20:13 | ~ | 02/21/2022 | 20:24 | 12 | 1664.1 | 12 | 17.9 | 12 | 0.108 | 12 | 8.395 | 12 | 0.1 | 0.0 |
| START_UP | 02/22/2022 | 05:52 | ~ | 02/22/2022 | 06:16 | 25 | 8023.799 | 25 | 566.5 | 25 | 95.477 | 25 | 299.543 | 25 | 5.0 | 1.6 |
| SHUT_DOWN | 02/22/2022 | 07:29 | ~ | 02/22/2022 | 07:39 | 11 | 1424.5 | 11 | 4.9 | 11 | 0.087 | 11 | 7.471 | 11 | 0.1 | 0.0 |
| START_UP | 02/22/2022 | 15:07 | ~ | 02/22/2022 | 15:31 | 25 | 9426.899 | 25 | 756.3 | 25 | 123.116 | 25 | 282.832 | 25 | 4.7 | 2.1 |
| SHUT_DOWN | 02/22/2022 | 21:28 | ~ | 02/22/2022 | 21:39 | 12 | 1647 | 12 | 16.4 | 12 | 0.119 | 12 | 8.143 | 12 | 0.1 | 0.0 |
| START_UP | 02/23/2022 | 05:52 | ~ | 02/23/2022 | 06:16 | 25 | 13180.2 | 25 | 1311.5 | 25 | 103.876 | 25 | 318.595 | 25 | 5.3 | 1.7 |
| SHUT_DOWN | 02/23/2022 | 08:14 | ~ | 02/23/2022 | 08:24 | 11 | 1420.4 | 11 | 5.2 | 11 | 0.04 | 11 | 7.453 | 11 | 0.1 | 0.0 |
| START_UP | 02/23/2022 | 16:37 | ~ | 02/23/2022 | 17:01 | 25 | 17764.6 | 25 | 1970.8 | 25 | 87.06 | 25 | 420.647 | 25 | 7.0 | 1.5 |
| SHUT_DOWN | 02/23/2022 | 21:45 | ~ | 02/23/2022 | 21:55 | 11 | 1378 | 11 | 0.8 | 11 | 0.072 | 11 | 6.49 | 11 | 0.1 | 0.0 |
| START_UP | 02/24/2022 | 05:53 | ~ | 02/24/2022 | 06:17 | 25 | 15479.6 | 25 | 1628.9 | 25 | 127.04 | 25 | 355.686 | 25 | 5.9 | 2.1 |
| SHUT_DOWN | 02/24/2022 | 07:29 | ~ | 02/24/2022 | 07:39 | 11 | 1419.4 | 11 | 4.3 | 11 | 0.082 | 11 | 7.384 | 11 | 0.1 | 0.0 |
| START_UP | 02/24/2022 | 16:52 | ~ | 02/24/2022 | 17:16 | 25 | 13655.3 | 25 | 1379.2 | 25 | 118.412 | 25 | 320.03 | 25 | 5.3 | 2.0 |
| SHUT_DOWN | 02/24/2022 | 20:13 | ~ | 02/24/2022 | 20:24 | 12 | 1663.3 | 12 | 17.4 | 12 | 0.064 | 12 | 8.215 | 12 | 0.1 | 0.0 |
| START_UP | 02/25/2022 | 05:52 | ~ | 02/25/2022 | 06:16 | 25 | 7980.8 | 25 | 565 | 25 | 111.022 | 25 | 305.731 | 25 | 5.1 | 1.9 |
| SHUT_DOWN | 02/25/2022 | 06:58 | ~ | 02/25/2022 | 07:09 | 12 | 1652.9 | 12 | 16.5 | 12 | 1.062 | 12 | 9.634 | 12 | 0.2 | 0.0 |
| START_UP | 02/25/2022 | 15:37 | ~ | 02/25/2022 | 16:01 | 25 | 8822.501 | 25 | 672.9 | 25 | 80.572 | 25 | 320.433 | 25 | 5.3 | 1.3 |
| SHUT_DOWN | 02/25/2022 | 20:58 | ~ | 02/25/2022 | 21:09 | 12 | 1628.5 | 12 | 13 | 12 | 0.709 | 12 | 8.471 | 12 | 0.1 | 0.0 |
| START_UP | 02/26/2022 | 16:37 | ~ | 02/26/2022 | 17:01 | 25 | 8318.899 | 25 | 605.6 | 25 | 130.249 | 25 | 298.626 | 25 | 5.0 | 2.2 |
| SHUT_DOWN | 02/26/2022 | 20:44 | ~ | 02/26/2022 | 20:54 | 11 | 1383.8 | 11 | 0.7 | 11 | 0.686 | 11 | 7.468 | 11 | 0.1 | 0.0 |
| START_UP | 02/27/2022 | 16:37 | ~ | 02/27/2022 | 17:01 | 25 | 10432.8 | 25 | 896.1 | 25 | 112.56 | 25 | 299.989 | 25 | 5.0 | 1.9 |
| SHUT_DOWN | 02/27/2022 | 19:58 | ~ | 02/27/2022 | 20:08 | 11 | 1488.8 | 11 | 12 | 11 | 0.282 | 11 | 7.745 | 11 | 0.1 | 0.0 |
| START_UP | 02/28/2022 | 05:52 | ~ | 02/28/2022 | 06:16 | 25 | 8023.1 | 25 | 568.9 | 25 | 80.284 | 25 | 309.917 | 25 | 5.2 | 1.3 |
| SHUT_DOWN | 02/28/2022 | 06:58 | ~ | 02/28/2022 | 07:09 | 12 | 1638.2 | 12 | 15.4 | 12 | 2.732 | 12 | 10.719 | 12 | 0.2 | 0.0 |
| START_UP | 02/28/2022 | 16:37 | ~ | 02/28/2022 | 17:01 | 25 | 7975.2 | 25 | 565.9 | 25 | 86.615 | 25 | 274.693 | 25 | 4.6 | 1.4 |
| SHUT_DOWN | 02/28/2022 | 20:58 | ~ | 02/28/2022 | 21:09 | 12 | 1671.4 | 12 | 20.3 | 12 | 0.461 | 12 | 9.274 | 12 | 0.2 | 0.0 |
| START_UP | 03/01/2022 | 05:52 | ~ | 03/01/2022 | 06:16 | 25 | 8030.6 | 25 | 571 | 25 | 76.048 | 25 | 311.217 | 25 | 5.2 | 1.3 |
| START_UP | 03/04/2022 | 07:52 | ~ | 03/04/2022 | 08:16 | 25 | 13189.8 | 25 | 1316.1 | 25 | 150.542 | 25 | 335.558 | 25 | 5.6 | 2.5 |
| SHUT_DOWN | 03/04/2022 | 09:28 | ~ | 03/04/2022 | 09:38 | 11 | 1499.1 | 11 | 13.3 | 11 | 1.035 | 11 | 8.574 | 11 | 0.1 | 0.0 |
| START_UP | 03/04/2022 | 11:53 | ~ | 03/04/2022 | 12:17 | 25 | 12737.1 | 25 | 1249.5 | 25 | 159.386 | 25 | 160.121 | 25 | 2.7 | 2.7 |
| SHUT_DOWN | 03/04/2022 | 12:59 | ~ | 03/04/2022 | 13:09 | 11 | 1522.5 | 11 | 14.5 | 11 | 0.861 | 11 | 7.116 | 11 | 0.1 | 0.0 |
| START_UP | 03/07/2022 | 17:22 | ~ | 03/07/2022 | 17:46 | 25 | 8071.2 | 25 | 570.2 | 25 | 91.946 | 25 | 305.321 | 25 | 5.1 | 1.5 |
| SHUT_DOWN | 03/07/2022 | 19:29 | ~ | 03/07/2022 | 19:39 | 11 | 1411.7 | 11 | 1.6 | 11 | 0.263 | 11 | 7.737 | 11 | 0.1 | 0.0 |
| START_UP | 03/14/2022 | 07:22 | ~ | 03/14/2022 | 07:46 | 25 | 10671.7 | 25 | 913.2 | 25 | 164.294 | 25 | 326.45 | 25 | 5.4 | 2.7 |
| SHUT_DOWN | 03/14/2022 | 09:43 | ~ | 03/14/2022 | 09:53 | 11 | 1518.6 | 11 | 10.8 | 11 | 1.083 | 11 | 9.355 | 11 | 0.2 | 0.0 |
| START_UP | 03/14/2022 | 17:52 | ~ | 03/14/2022 | 18:16 | 25 | 9609 | 25 | 762.5 | 25 | 70.005 | 25 | 292.516 | 25 | 4.9 | 1.2 |
| SHUT_DOWN | 03/14/2022 | 19:13 | ~ | 03/14/2022 | 19:23 | 11 | 1507.4 | 11 | 9.9 | 11 | 0.939 | 11 | 8.191 | 11 | 0.1 | 0.0 |
| START_UP | 03/19/2022 | 07:30 | ~ | 03/19/2022 | 07:54 | 25 | 18908.5 | 25 | 2112.4 | 25 | 172.884 | 25 | 539.259 | 25 | 9.0 | 2.9 |
| SHUT_DOWN | 03/19/2022 | 20:14 | ~ | 03/19/2022 | 20:24 | 11 | 1462.6 | 11 | 7.3 | 11 | 1.189 | 11 | 6.652 | 11 | 0.1 | 0.0 |

| | | | | | | | | | | | | | | | |
|-----------|------------|---------|------------|-------|----|----------|----|-------|----|--------|----|---------|----|-----|-----|
| START_UP | 03/29/2022 | 14:37 ~ | 03/29/2022 | 15:01 | 25 | 8259.799 | 25 | 577.7 | 25 | 79.208 | 25 | 279.092 | 25 | 4.7 | 1.3 |
| SHUT_DOWN | 03/29/2022 | 16:13 ~ | 03/29/2022 | 16:23 | 11 | 1488.9 | 11 | 8 | 11 | 1.845 | 11 | 8.01 | 11 | 0.1 | 0.0 |
| START_UP | 03/29/2022 | 17:16 ~ | 03/29/2022 | 17:40 | 25 | 8224.2 | 25 | 574.4 | 25 | 27.943 | 25 | 92.563 | 25 | 1.5 | 0.5 |
| SHUT_DOWN | 03/29/2022 | 18:58 ~ | 03/29/2022 | 19:08 | 11 | 1490 | 11 | 8.2 | 11 | 1.719 | 11 | 7.883 | 11 | 0.1 | 0.0 |

Startup / ShutDown Report
 Generated: 4/1/2022 08:07
 StartUp/ShutDown Event Report NRG Carlsbad Unit 8
 Carlsbad Unit 8

Company: NRG Carlsbad
 Plant: 4600 Carlsbad Blvd
 City/St: Carlsbad, CA 92008

Period Start: 1/1/2022 00:00
 Period End: 3/31/2022 23:59
 Unit Name: Unit8

| Events | Time | Duration (min) | Total 8_GasFlow (kscfh) | Valid Mins | Total 8Gross_MW (MW) | Valid Mins | Total 8COLBHR (LBHR) | Valid Mins | Total 8NOXLBHR (LBHR) | Valid Mins | NOx Lbs/Event | CO Lbs/Event |
|-----------|-------------------------------------|-------------------|-------------------------------|---------------|----------------------------|---------------|----------------------------|---------------|-----------------------------|---------------|------------------|-----------------|
| SHUT_DOWN | 01/02/2022 00:12 ~ 01/02/2022 00:22 | 11 | 1375.3 | 11 | 0.5 | 11 | 1.305 | 8 | 10.869 | 8 | 0.2 | 0.0 |
| START_UP | 01/02/2022 16:23 ~ 01/02/2022 16:47 | 25 | 8713.199 | 25 | 651.1 | 25 | 59.642 | 25 | 326.063 | 25 | 5.4 | 1.0 |
| SHUT_DOWN | 01/02/2022 22:59 ~ 01/02/2022 23:09 | 11 | 1491 | 11 | 10.2 | 11 | 2.372 | 11 | 16.492 | 11 | 0.3 | 0.0 |
| START_UP | 01/03/2022 05:53 ~ 01/03/2022 06:17 | 25 | 9041.501 | 25 | 680.7 | 25 | 127.964 | 25 | 311.089 | 25 | 5.2 | 2.1 |
| SHUT_DOWN | 01/03/2022 08:59 ~ 01/03/2022 09:09 | 11 | 1422 | 11 | 3.1 | 11 | 1.978 | 11 | 16.937 | 11 | 0.3 | 0.0 |
| START_UP | 01/03/2022 16:03 ~ 01/03/2022 16:27 | 25 | 10949.7 | 25 | 946.6 | 25 | 93.974 | 25 | 326.88 | 25 | 5.4 | 1.6 |
| SHUT_DOWN | 01/03/2022 18:44 ~ 01/03/2022 18:54 | 11 | 1471.7 | 11 | 6.5 | 11 | 1.699 | 11 | 13.589 | 11 | 0.2 | 0.0 |
| START_UP | 01/03/2022 20:27 ~ 01/03/2022 20:51 | 25 | 8002.4 | 25 | 554.7 | 25 | 94.345 | 25 | 106.864 | 25 | 1.8 | 1.6 |
| SHUT_DOWN | 01/03/2022 21:59 ~ 01/03/2022 22:09 | 11 | 1420.2 | 11 | 2.8 | 11 | 0.997 | 11 | 15.374 | 11 | 0.3 | 0.0 |
| START_UP | 01/04/2022 14:53 ~ 01/04/2022 15:17 | 25 | 8279.5 | 25 | 584.8 | 25 | 76.58 | 25 | 294.734 | 25 | 4.9 | 1.3 |
| SHUT_DOWN | 01/04/2022 19:59 ~ 01/04/2022 20:09 | 11 | 1501.1 | 11 | 12.8 | 11 | 0.806 | 11 | 12.611 | 11 | 0.2 | 0.0 |
| START_UP | 01/05/2022 14:53 ~ 01/05/2022 15:17 | 25 | 7916.5 | 25 | 539.6 | 25 | 181.125 | 25 | 287.026 | 25 | 4.8 | 3.0 |
| SHUT_DOWN | 01/05/2022 21:14 ~ 01/05/2022 21:24 | 11 | 1463.5 | 11 | 8.7 | 11 | 0.658 | 11 | 12.655 | 11 | 0.2 | 0.0 |
| START_UP | 01/06/2022 06:23 ~ 01/06/2022 06:47 | 25 | 7960 | 25 | 552.3 | 25 | 73.853 | 25 | 292.761 | 25 | 4.9 | 1.2 |
| SHUT_DOWN | 01/06/2022 08:14 ~ 01/06/2022 08:24 | 11 | 1448.8 | 11 | 7.7 | 11 | 0.912 | 11 | 13.118 | 11 | 0.2 | 0.0 |
| START_UP | 01/06/2022 14:53 ~ 01/06/2022 15:17 | 25 | 8453.701 | 25 | 609.6 | 25 | 77.019 | 25 | 270.711 | 25 | 4.5 | 1.3 |
| SHUT_DOWN | 01/06/2022 21:59 ~ 01/06/2022 22:09 | 11 | 1480.7 | 11 | 11.8 | 11 | 0.7 | 11 | 13.115 | 11 | 0.2 | 0.0 |
| START_UP | 01/07/2022 06:23 ~ 01/07/2022 06:47 | 25 | 8000.4 | 25 | 554.5 | 25 | 137.195 | 25 | 294.185 | 25 | 4.9 | 2.3 |
| SHUT_DOWN | 01/07/2022 07:29 ~ 01/07/2022 07:39 | 11 | 1420.2 | 11 | 5.1 | 11 | 0.94 | 11 | 11.92 | 11 | 0.2 | 0.0 |
| START_UP | 01/07/2022 14:53 ~ 01/07/2022 15:17 | 25 | 9294.899 | 25 | 732.5 | 25 | 69.302 | 25 | 293.681 | 25 | 4.9 | 1.2 |
| SHUT_DOWN | 01/07/2022 21:44 ~ 01/07/2022 21:55 | 12 | 1649.4 | 12 | 16.6 | 12 | 2.201 | 12 | 15.036 | 12 | 0.3 | 0.0 |
| START_UP | 01/08/2022 14:53 ~ 01/08/2022 15:17 | 25 | 8095 | 25 | 564.2 | 25 | 136.149 | 25 | 295.472 | 25 | 4.9 | 2.3 |
| SHUT_DOWN | 01/08/2022 19:59 ~ 01/08/2022 20:09 | 11 | 1419.2 | 11 | 4 | 11 | 1.164 | 11 | 11.925 | 11 | 0.2 | 0.0 |
| START_UP | 01/08/2022 20:53 ~ 01/08/2022 21:17 | 25 | 7810.299 | 25 | 532.3 | 25 | 17.682 | 25 | 82.382 | 25 | 1.4 | 0.3 |
| SHUT_DOWN | 01/08/2022 21:59 ~ 01/08/2022 22:09 | 11 | 1431.3 | 11 | 4.8 | 11 | 0.624 | 11 | 12.527 | 11 | 0.2 | 0.0 |
| START_UP | 01/09/2022 14:53 ~ 01/09/2022 15:17 | 25 | 8135.3 | 25 | 563.9 | 25 | 53.648 | 25 | 283.973 | 25 | 4.7 | 0.9 |
| SHUT_DOWN | 01/09/2022 22:29 ~ 01/09/2022 22:40 | 12 | 1669.7 | 12 | 15.8 | 12 | 0.878 | 12 | 17.078 | 12 | 0.3 | 0.0 |
| START_UP | 01/10/2022 05:53 ~ 01/10/2022 06:17 | 25 | 8202.199 | 25 | 568.4 | 25 | 133.168 | 25 | 292.227 | 25 | 4.9 | 2.2 |
| SHUT_DOWN | 01/10/2022 09:29 ~ 01/10/2022 09:39 | 11 | 1411.3 | 11 | 2.2 | 11 | 1.504 | 11 | 13.871 | 11 | 0.2 | 0.0 |
| START_UP | 01/10/2022 14:52 ~ 01/10/2022 15:16 | 25 | 8896.699 | 25 | 675.3 | 25 | 81.631 | 25 | 254.128 | 25 | 4.2 | 1.4 |
| SHUT_DOWN | 01/10/2022 23:29 ~ 01/10/2022 23:40 | 12 | 1631.6 | 12 | 14.7 | 12 | 1.615 | 12 | 15.615 | 12 | 0.3 | 0.0 |
| START_UP | 01/11/2022 06:53 ~ 01/11/2022 07:17 | 25 | 8044.9 | 25 | 552.6 | 25 | 60.109 | 25 | 278.577 | 25 | 4.6 | 1.0 |
| SHUT_DOWN | 01/11/2022 11:59 ~ 01/11/2022 12:09 | 11 | 1468.1 | 11 | 8.5 | 11 | 1.846 | 11 | 13.222 | 11 | 0.2 | 0.0 |
| START_UP | 01/11/2022 14:52 ~ 01/11/2022 15:16 | 25 | 14035.9 | 25 | 1412.4 | 25 | 114.878 | 25 | 214.21 | 25 | 3.6 | 1.9 |
| SHUT_DOWN | 01/11/2022 20:59 ~ 01/11/2022 21:09 | 11 | 1429.8 | 11 | 4.2 | 11 | 1.762 | 11 | 14.395 | 11 | 0.2 | 0.0 |
| START_UP | 01/12/2022 06:23 ~ 01/12/2022 06:47 | 25 | 8018 | 25 | 553.4 | 25 | 65.109 | 25 | 307.366 | 25 | 5.1 | 1.1 |
| SHUT_DOWN | 01/12/2022 17:59 ~ 01/12/2022 18:10 | 12 | 1693.5 | 12 | 18.4 | 12 | 2.056 | 12 | 13.064 | 12 | 0.2 | 0.0 |
| START_UP | 01/12/2022 19:47 ~ 01/12/2022 20:11 | 25 | 8196.801 | 25 | 578.8 | 25 | 78.703 | 15 | 77.267 | 15 | 1.3 | 1.3 |
| SHUT_DOWN | 01/12/2022 21:14 ~ 01/12/2022 21:24 | 11 | 1516.4 | 11 | 13.5 | 11 | 2.007 | 11 | 13.908 | 11 | 0.2 | 0.0 |
| START_UP | 01/13/2022 05:53 ~ 01/13/2022 06:17 | 25 | 8247.1 | 25 | 582.8 | 25 | 60.555 | 25 | 288.625 | 25 | 4.8 | 1.0 |
| SHUT_DOWN | 01/13/2022 08:14 ~ 01/13/2022 08:24 | 11 | 1453.3 | 11 | 6.9 | 11 | 2.126 | 11 | 16.803 | 11 | 0.3 | 0.0 |

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|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| START_UP | 01/13/2022 | 14:53 | ~ | 01/13/2022 | 15:17 | 25 | 8305.5 | 25 | 593.8 | 25 | 54.821 | 25 | 289.417 | 25 | 4.8 | 0.9 |
| SHUT_DOWN | 01/13/2022 | 19:59 | ~ | 01/13/2022 | 20:09 | 11 | 1426.6 | 11 | 5.2 | 11 | 1.774 | 11 | 12.152 | 11 | 0.2 | 0.0 |
| START_UP | 01/14/2022 | 05:53 | ~ | 01/14/2022 | 06:17 | 25 | 8099.5 | 25 | 565.3 | 25 | 175.919 | 25 | 300.376 | 25 | 5.0 | 2.9 |
| SHUT_DOWN | 01/14/2022 | 09:14 | ~ | 01/14/2022 | 09:24 | 11 | 1441.2 | 11 | 7 | 11 | 2.041 | 11 | 12.241 | 11 | 0.2 | 0.0 |
| START_UP | 01/14/2022 | 16:45 | ~ | 01/14/2022 | 17:09 | 25 | 8031.7 | 25 | 557.1 | 25 | 61.267 | 25 | 269.208 | 25 | 4.5 | 1.0 |
| SHUT_DOWN | 01/14/2022 | 19:59 | ~ | 01/14/2022 | 20:09 | 11 | 1472.8 | 11 | 9.2 | 11 | 2.244 | 11 | 11.941 | 11 | 0.2 | 0.0 |
| START_UP | 01/15/2022 | 14:53 | ~ | 01/15/2022 | 15:17 | 25 | 8064.399 | 25 | 563.8 | 25 | 89.964 | 25 | 305.654 | 25 | 5.1 | 1.5 |
| SHUT_DOWN | 01/15/2022 | 21:14 | ~ | 01/15/2022 | 21:24 | 11 | 1388.3 | 11 | 2.2 | 11 | 1.956 | 11 | 12.355 | 11 | 0.2 | 0.0 |
| START_UP | 01/16/2022 | 14:53 | ~ | 01/16/2022 | 15:17 | 25 | 9645.899 | 25 | 777.9 | 25 | 223.48 | 25 | 310.573 | 25 | 5.2 | 3.7 |
| SHUT_DOWN | 01/16/2022 | 22:14 | ~ | 01/16/2022 | 22:24 | 11 | 1411.4 | 11 | 3 | 11 | 1.961 | 11 | 10.626 | 11 | 0.2 | 0.0 |
| START_UP | 01/17/2022 | 14:53 | ~ | 01/17/2022 | 15:17 | 25 | 8203.301 | 25 | 582.3 | 25 | 74.015 | 25 | 298.102 | 25 | 5.0 | 1.2 |
| SHUT_DOWN | 01/17/2022 | 22:14 | ~ | 01/17/2022 | 22:24 | 11 | 1414.2 | 11 | 3.6 | 11 | 1.842 | 11 | 10.476 | 11 | 0.2 | 0.0 |
| START_UP | 01/18/2022 | 14:53 | ~ | 01/18/2022 | 15:17 | 25 | 8130.4 | 25 | 567.7 | 25 | 180.968 | 25 | 294.698 | 25 | 4.9 | 3.0 |
| SHUT_DOWN | 01/18/2022 | 21:14 | ~ | 01/18/2022 | 21:24 | 11 | 1498.8 | 11 | 12.8 | 11 | 2.016 | 11 | 10.902 | 11 | 0.2 | 0.0 |
| START_UP | 01/19/2022 | 05:53 | ~ | 01/19/2022 | 06:17 | 25 | 8053.201 | 25 | 556.7 | 25 | 67.04 | 25 | 277.059 | 25 | 4.6 | 1.1 |
| SHUT_DOWN | 01/19/2022 | 08:14 | ~ | 01/19/2022 | 08:24 | 11 | 1396.3 | 11 | 1.3 | 11 | 1.9 | 11 | 11.428 | 11 | 0.2 | 0.0 |
| START_UP | 01/19/2022 | 14:53 | ~ | 01/19/2022 | 15:17 | 25 | 8118.7 | 25 | 567.9 | 25 | 71.532 | 25 | 274.829 | 25 | 4.6 | 1.2 |
| SHUT_DOWN | 01/19/2022 | 15:59 | ~ | 01/19/2022 | 16:09 | 11 | 1419.3 | 11 | 4.2 | 11 | 2.244 | 11 | 9.927 | 11 | 0.2 | 0.0 |
| START_UP | 01/19/2022 | 16:52 | ~ | 01/19/2022 | 17:16 | 25 | 7945.599 | 25 | 550.5 | 25 | 26.65 | 25 | 115.905 | 25 | 1.9 | 0.4 |
| SHUT_DOWN | 01/19/2022 | 19:59 | ~ | 01/19/2022 | 20:09 | 11 | 1431.8 | 11 | 5.9 | 11 | 1.936 | 11 | 10.689 | 11 | 0.2 | 0.0 |
| START_UP | 01/19/2022 | 20:52 | ~ | 01/19/2022 | 21:16 | 25 | 7931.8 | 25 | 548.3 | 25 | 20.267 | 25 | 110.606 | 25 | 1.8 | 0.3 |
| SHUT_DOWN | 01/19/2022 | 21:59 | ~ | 01/19/2022 | 22:09 | 11 | 1449.6 | 11 | 6.1 | 11 | 1.197 | 11 | 11.458 | 11 | 0.2 | 0.0 |
| START_UP | 01/20/2022 | 05:53 | ~ | 01/20/2022 | 06:17 | 25 | 8084.501 | 25 | 558.7 | 25 | 63.22 | 25 | 294.828 | 25 | 4.9 | 1.1 |
| SHUT_DOWN | 01/20/2022 | 08:59 | ~ | 01/20/2022 | 09:09 | 11 | 1512.1 | 11 | 13.2 | 11 | 1.323 | 11 | 12.936 | 11 | 0.2 | 0.0 |
| START_UP | 01/20/2022 | 14:53 | ~ | 01/20/2022 | 15:17 | 25 | 8145.3 | 25 | 570.5 | 25 | 158.457 | 25 | 259.093 | 25 | 4.3 | 2.6 |
| SHUT_DOWN | 01/20/2022 | 21:14 | ~ | 01/20/2022 | 21:24 | 11 | 1493.2 | 11 | 11.2 | 11 | 2.02 | 11 | 12.451 | 11 | 0.2 | 0.0 |
| START_UP | 01/21/2022 | 05:53 | ~ | 01/21/2022 | 06:17 | 25 | 8051 | 25 | 558.1 | 25 | 54.105 | 25 | 292.18 | 25 | 4.9 | 0.9 |
| SHUT_DOWN | 01/21/2022 | 06:59 | ~ | 01/21/2022 | 07:09 | 11 | 1430.7 | 11 | 5.2 | 11 | 1.9 | 11 | 14.898 | 11 | 0.2 | 0.0 |
| START_UP | 01/21/2022 | 07:53 | ~ | 01/21/2022 | 08:17 | 25 | 8121 | 25 | 568 | 25 | 37.04 | 25 | 118.74 | 25 | 2.0 | 0.6 |
| SHUT_DOWN | 01/21/2022 | 08:59 | ~ | 01/21/2022 | 09:09 | 11 | 1416.6 | 11 | 4.1 | 11 | 1.347 | 11 | 11.638 | 11 | 0.2 | 0.0 |
| START_UP | 01/21/2022 | 14:53 | ~ | 01/21/2022 | 15:17 | 25 | 9152.201 | 25 | 710.2 | 25 | 163.661 | 25 | 287.271 | 25 | 4.8 | 2.7 |
| SHUT_DOWN | 01/21/2022 | 16:00 | ~ | 01/21/2022 | 16:10 | 11 | 1375 | 11 | 0.7 | 11 | 1.912 | 11 | 10.359 | 11 | 0.2 | 0.0 |
| START_UP | 01/21/2022 | 16:53 | ~ | 01/21/2022 | 17:17 | 25 | 8048.101 | 25 | 562.4 | 25 | 36.06 | 25 | 110.959 | 25 | 1.8 | 0.6 |
| SHUT_DOWN | 01/21/2022 | 19:59 | ~ | 01/21/2022 | 20:09 | 11 | 1408.9 | 11 | 2.5 | 11 | 2.006 | 11 | 10.962 | 11 | 0.2 | 0.0 |
| START_UP | 01/22/2022 | 15:53 | ~ | 01/22/2022 | 16:17 | 25 | 8088.1 | 25 | 559.9 | 25 | 68.543 | 25 | 297.728 | 25 | 5.0 | 1.1 |
| SHUT_DOWN | 01/22/2022 | 18:59 | ~ | 01/22/2022 | 19:09 | 11 | 1423.1 | 11 | 4.2 | 11 | 1.848 | 11 | 12.469 | 11 | 0.2 | 0.0 |
| START_UP | 01/22/2022 | 19:52 | ~ | 01/22/2022 | 20:16 | 25 | 7922 | 25 | 545 | 25 | 32.073 | 25 | 107.054 | 25 | 1.8 | 0.5 |
| SHUT_DOWN | 01/22/2022 | 20:59 | ~ | 01/22/2022 | 21:09 | 11 | 1429.1 | 11 | 4.4 | 11 | 1.784 | 11 | 13.555 | 11 | 0.2 | 0.0 |
| START_UP | 01/23/2022 | 14:53 | ~ | 01/23/2022 | 15:17 | 25 | 10985.9 | 25 | 951.3 | 25 | 105.876 | 25 | 323.491 | 25 | 5.4 | 1.8 |
| SHUT_DOWN | 01/23/2022 | 22:14 | ~ | 01/23/2022 | 22:24 | 11 | 1416.6 | 11 | 3 | 11 | 2.193 | 11 | 14.93 | 11 | 0.2 | 0.0 |
| START_UP | 01/24/2022 | 05:54 | ~ | 01/24/2022 | 06:18 | 25 | 11531.1 | 25 | 1059.5 | 25 | 151.858 | 24 | 325.443 | 24 | 5.4 | 2.5 |
| SHUT_DOWN | 01/24/2022 | 09:14 | ~ | 01/24/2022 | 09:24 | 11 | 1399.6 | 11 | 2.3 | 11 | 1.368 | 11 | 11.657 | 11 | 0.2 | 0.0 |
| START_UP | 01/24/2022 | 14:53 | ~ | 01/24/2022 | 15:17 | 25 | 8203.1 | 25 | 578.1 | 25 | 128.22 | 25 | 253.638 | 25 | 4.2 | 2.1 |
| SHUT_DOWN | 01/24/2022 | 21:14 | ~ | 01/24/2022 | 21:24 | 11 | 1397.3 | 11 | 2.8 | 11 | 2.229 | 11 | 10.6 | 11 | 0.2 | 0.0 |
| START_UP | 01/25/2022 | 05:53 | ~ | 01/25/2022 | 06:17 | 25 | 8004.899 | 25 | 557.4 | 25 | 65.164 | 25 | 302.448 | 25 | 5.0 | 1.1 |
| SHUT_DOWN | 01/25/2022 | 09:14 | ~ | 01/25/2022 | 09:24 | 11 | 1463.7 | 11 | 9.1 | 11 | 0.225 | 11 | 13.815 | 11 | 0.2 | 0.0 |
| START_UP | 01/25/2022 | 14:53 | ~ | 01/25/2022 | 15:17 | 25 | 8107 | 25 | 568.8 | 25 | 53.323 | 25 | 258.12 | 25 | 4.3 | 0.9 |
| SHUT_DOWN | 01/25/2022 | 21:59 | ~ | 01/25/2022 | 22:09 | 11 | 1396.5 | 11 | 2.5 | 11 | 0.103 | 11 | 11.554 | 11 | 0.2 | 0.0 |
| START_UP | 01/26/2022 | 05:53 | ~ | 01/26/2022 | 06:17 | 25 | 8047.9 | 25 | 556.9 | 25 | 48.778 | 25 | 284.544 | 25 | 4.7 | 0.8 |
| SHUT_DOWN | 01/26/2022 | 09:14 | ~ | 01/26/2022 | 09:24 | 11 | 1412 | 11 | 3 | 11 | 0.071 | 11 | 15.794 | 11 | 0.3 | 0.0 |
| START_UP | 01/26/2022 | 15:23 | ~ | 01/26/2022 | 15:47 | 25 | 8109.101 | 25 | 559.9 | 25 | 116.72 | 25 | 260.347 | 25 | 4.3 | 1.9 |
| SHUT_DOWN | 01/26/2022 | 21:59 | ~ | 01/26/2022 | 22:09 | 11 | 1412.3 | 11 | 2.5 | 11 | 0.091 | 11 | 14.552 | 11 | 0.2 | 0.0 |
| START_UP | 01/27/2022 | 05:53 | ~ | 01/27/2022 | 06:17 | 25 | 8083.001 | 25 | 552.9 | 25 | 51.891 | 25 | 313.481 | 25 | 5.2 | 0.9 |
| SHUT_DOWN | 01/27/2022 | 08:59 | ~ | 01/27/2022 | 09:09 | 11 | 1476.9 | 11 | 8.8 | 11 | 0.127 | 11 | 19.979 | 11 | 0.3 | 0.0 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| START_UP | 01/27/2022 | 15:07 | ~ | 01/27/2022 | 15:31 | 25 | 8155.399 | 25 | 563.3 | 25 | 64.073 | 25 | 264.195 | 25 | 4.4 | 1.1 |
| SHUT_DOWN | 01/27/2022 | 20:10 | ~ | 01/27/2022 | 20:20 | 11 | 1401.7 | 11 | 1 | 11 | 0.033 | 11 | 13.037 | 11 | 0.2 | 0.0 |
| START_UP | 01/28/2022 | 05:53 | ~ | 01/28/2022 | 06:17 | 25 | 10680.5 | 25 | 909.6 | 25 | 154.161 | 25 | 356.921 | 25 | 5.9 | 2.6 |
| SHUT_DOWN | 01/28/2022 | 07:29 | ~ | 01/28/2022 | 07:39 | 11 | 1410.6 | 11 | 2 | 11 | 0.496 | 11 | 19.758 | 11 | 0.3 | 0.0 |
| START_UP | 01/28/2022 | 09:22 | ~ | 01/28/2022 | 09:46 | 25 | 10737.7 | 25 | 929.2 | 25 | 149.406 | 25 | 142.468 | 25 | 2.4 | 2.5 |
| SHUT_DOWN | 01/28/2022 | 11:14 | ~ | 01/28/2022 | 11:24 | 11 | 1403.7 | 11 | 1.9 | 11 | 0.08 | 11 | 13.548 | 11 | 0.2 | 0.0 |
| START_UP | 01/28/2022 | 16:53 | ~ | 01/28/2022 | 17:17 | 25 | 8042.6 | 25 | 551.3 | 25 | 124.946 | 25 | 266.97 | 25 | 4.4 | 2.1 |
| SHUT_DOWN | 01/28/2022 | 17:59 | ~ | 01/28/2022 | 18:09 | 11 | 1413.2 | 11 | 2.7 | 11 | 0.048 | 11 | 13.218 | 11 | 0.2 | 0.0 |
| START_UP | 01/28/2022 | 18:52 | ~ | 01/28/2022 | 19:16 | 25 | 7970 | 25 | 549.8 | 25 | 14.11 | 25 | 125.399 | 25 | 2.1 | 0.2 |
| SHUT_DOWN | 01/28/2022 | 19:59 | ~ | 01/28/2022 | 20:09 | 11 | 1420 | 11 | 4.1 | 11 | 0 | 11 | 16.797 | 11 | 0.3 | 0.0 |
| START_UP | 01/29/2022 | 16:38 | ~ | 01/29/2022 | 17:02 | 25 | 8071.5 | 25 | 560.2 | 25 | 197.166 | 25 | 319.796 | 25 | 5.3 | 3.3 |
| SHUT_DOWN | 01/29/2022 | 21:44 | ~ | 01/29/2022 | 21:54 | 11 | 1431.5 | 11 | 5.7 | 11 | 0.105 | 11 | 15.379 | 11 | 0.3 | 0.0 |
| START_UP | 01/30/2022 | 15:53 | ~ | 01/30/2022 | 16:17 | 25 | 7976.4 | 25 | 548.9 | 25 | 134.81 | 25 | 295.957 | 25 | 4.9 | 2.2 |
| SHUT_DOWN | 01/30/2022 | 18:59 | ~ | 01/30/2022 | 19:09 | 11 | 1422.4 | 11 | 4.3 | 11 | 0.099 | 11 | 11.481 | 11 | 0.2 | 0.0 |
| START_UP | 01/30/2022 | 19:52 | ~ | 01/30/2022 | 20:16 | 25 | 7844.7 | 25 | 543.4 | 25 | 23.842 | 25 | 119.282 | 25 | 2.0 | 0.4 |
| SHUT_DOWN | 01/30/2022 | 20:59 | ~ | 01/30/2022 | 21:09 | 11 | 1397.3 | 11 | 1.7 | 11 | 0.176 | 11 | 11.706 | 11 | 0.2 | 0.0 |
| START_UP | 01/31/2022 | 05:53 | ~ | 01/31/2022 | 06:17 | 25 | 8004.201 | 25 | 557.1 | 25 | 154.432 | 25 | 310.343 | 25 | 5.2 | 2.6 |
| SHUT_DOWN | 01/31/2022 | 09:14 | ~ | 01/31/2022 | 09:24 | 11 | 1395.1 | 11 | 2.1 | 11 | 0.131 | 11 | 14.5 | 11 | 0.2 | 0.0 |
| START_UP | 01/31/2022 | 13:52 | ~ | 01/31/2022 | 14:16 | 25 | 12472.4 | 25 | 1200 | 25 | 71.826 | 25 | 274.145 | 25 | 4.6 | 1.2 |
| SHUT_DOWN | 01/31/2022 | 20:14 | ~ | 01/31/2022 | 20:24 | 11 | 1410.6 | 11 | 4.3 | 11 | 0 | 11 | 11.456 | 11 | 0.2 | 0.0 |
| START_UP | 02/01/2022 | 05:52 | ~ | 02/01/2022 | 06:16 | 25 | 7807.1 | 25 | 540.8 | 25 | 111.636 | 25 | 292.906 | 25 | 4.9 | 1.9 |
| START_UP | 02/02/2022 | 05:52 | ~ | 02/02/2022 | 06:16 | 25 | 8085.799 | 25 | 569.7 | 25 | 111.725 | 25 | 285.007 | 25 | 4.8 | 1.9 |
| SHUT_DOWN | 02/02/2022 | 10:14 | ~ | 02/02/2022 | 10:24 | 11 | 1396 | 11 | 2.3 | 11 | 0 | 11 | 15.642 | 11 | 0.3 | 0.0 |
| START_UP | 02/02/2022 | 15:51 | ~ | 02/02/2022 | 16:15 | 25 | 8203.301 | 25 | 582.7 | 25 | 115.736 | 25 | 275.116 | 25 | 4.6 | 1.9 |
| SHUT_DOWN | 02/02/2022 | 18:59 | ~ | 02/02/2022 | 19:09 | 11 | 1389.2 | 11 | 1.2 | 11 | 0.003 | 11 | 17.343 | 11 | 0.3 | 0.0 |
| START_UP | 02/02/2022 | 19:52 | ~ | 02/02/2022 | 20:16 | 25 | 7998.4 | 25 | 554.7 | 25 | 13.715 | 25 | 118.273 | 25 | 2.0 | 0.2 |
| SHUT_DOWN | 02/02/2022 | 20:58 | ~ | 02/02/2022 | 21:09 | 12 | 1693.2 | 12 | 20.2 | 12 | 0.022 | 12 | 22.051 | 12 | 0.4 | 0.0 |
| START_UP | 02/03/2022 | 05:52 | ~ | 02/03/2022 | 06:16 | 25 | 8330.7 | 25 | 600 | 25 | 110.915 | 25 | 334.957 | 25 | 5.6 | 1.8 |
| SHUT_DOWN | 02/03/2022 | 07:07 | ~ | 02/03/2022 | 07:17 | 11 | 1435.3 | 11 | 4 | 11 | 0 | 11 | 22.424 | 11 | 0.4 | 0.0 |
| START_UP | 02/03/2022 | 15:52 | ~ | 02/03/2022 | 16:16 | 25 | 8083.701 | 25 | 572.4 | 25 | 108.762 | 25 | 297.432 | 25 | 5.0 | 1.8 |
| SHUT_DOWN | 02/03/2022 | 23:29 | ~ | 02/03/2022 | 23:39 | 11 | 1401.5 | 11 | 2.2 | 11 | 0 | 11 | 15.218 | 11 | 0.3 | 0.0 |
| START_UP | 02/04/2022 | 05:52 | ~ | 02/04/2022 | 06:16 | 25 | 11812.2 | 25 | 1085.6 | 25 | 119.567 | 25 | 327.93 | 25 | 5.5 | 2.0 |
| SHUT_DOWN | 02/04/2022 | 09:14 | ~ | 02/04/2022 | 09:24 | 11 | 1387.2 | 11 | 0.6 | 11 | 0 | 11 | 16.865 | 11 | 0.3 | 0.0 |
| START_UP | 02/04/2022 | 15:52 | ~ | 02/04/2022 | 16:16 | 25 | 8588 | 25 | 632.1 | 25 | 100.005 | 25 | 288.027 | 25 | 4.8 | 1.7 |
| SHUT_DOWN | 02/04/2022 | 22:59 | ~ | 02/04/2022 | 23:09 | 11 | 1430.7 | 11 | 3.2 | 11 | 0 | 11 | 17.955 | 11 | 0.3 | 0.0 |
| START_UP | 02/05/2022 | 15:53 | ~ | 02/05/2022 | 16:17 | 25 | 8456.3 | 25 | 595.6 | 25 | 141.861 | 25 | 298.596 | 25 | 5.0 | 2.4 |
| SHUT_DOWN | 02/05/2022 | 16:59 | ~ | 02/05/2022 | 17:09 | 11 | 1414.4 | 11 | 2.4 | 11 | 0.513 | 11 | 12.333 | 11 | 0.2 | 0.0 |
| START_UP | 02/05/2022 | 17:52 | ~ | 02/05/2022 | 18:16 | 25 | 8100.101 | 25 | 562.4 | 25 | 29.025 | 25 | 123.804 | 25 | 2.1 | 0.5 |
| SHUT_DOWN | 02/05/2022 | 18:59 | ~ | 02/05/2022 | 19:09 | 11 | 1489.7 | 11 | 10 | 11 | 0.039 | 11 | 14.817 | 11 | 0.2 | 0.0 |
| START_UP | 02/05/2022 | 19:54 | ~ | 02/05/2022 | 20:18 | 25 | 8355.9 | 25 | 586.3 | 25 | 31.565 | 25 | 121.078 | 25 | 2.0 | 0.5 |
| SHUT_DOWN | 02/05/2022 | 21:00 | ~ | 02/05/2022 | 21:10 | 11 | 1474.4 | 11 | 7.8 | 11 | 0 | 11 | 17.78 | 11 | 0.3 | 0.0 |
| START_UP | 02/06/2022 | 15:53 | ~ | 02/06/2022 | 16:17 | 25 | 8447.1 | 25 | 596.2 | 25 | 154.642 | 25 | 324.383 | 25 | 5.4 | 2.6 |
| SHUT_DOWN | 02/06/2022 | 16:59 | ~ | 02/06/2022 | 17:09 | 11 | 1401.3 | 11 | 0.9 | 11 | 0.059 | 11 | 11.478 | 11 | 0.2 | 0.0 |
| START_UP | 02/06/2022 | 17:52 | ~ | 02/06/2022 | 18:16 | 25 | 8338.9 | 25 | 585 | 25 | 28.729 | 25 | 120.452 | 25 | 2.0 | 0.5 |
| SHUT_DOWN | 02/06/2022 | 18:59 | ~ | 02/06/2022 | 19:09 | 11 | 1411.3 | 11 | 1.9 | 11 | 0.03 | 11 | 13.404 | 11 | 0.2 | 0.0 |
| START_UP | 02/06/2022 | 19:52 | ~ | 02/06/2022 | 20:16 | 25 | 8304.899 | 25 | 579.8 | 25 | 23.522 | 25 | 129.22 | 25 | 2.2 | 0.4 |
| SHUT_DOWN | 02/06/2022 | 20:58 | ~ | 02/06/2022 | 21:09 | 12 | 1702.7 | 12 | 19.2 | 12 | 0 | 12 | 19.048 | 12 | 0.3 | 0.0 |
| START_UP | 02/07/2022 | 16:32 | ~ | 02/07/2022 | 16:56 | 25 | 10312.9 | 25 | 900.3 | 25 | 122.654 | 25 | 346.139 | 25 | 5.8 | 2.0 |
| SHUT_DOWN | 02/07/2022 | 22:59 | ~ | 02/07/2022 | 23:09 | 11 | 1430.1 | 11 | 6 | 11 | 0.232 | 11 | 19.178 | 11 | 0.3 | 0.0 |
| START_UP | 02/08/2022 | 16:27 | ~ | 02/08/2022 | 16:51 | 25 | 7451.2 | 25 | 500.5 | 25 | 155.971 | 24 | 275.811 | 24 | 4.6 | 2.6 |
| SHUT_DOWN | 02/08/2022 | 23:58 | ~ | 02/09/2022 | 00:09 | 12 | 1673 | 12 | 18.4 | 12 | 0.444 | 12 | 19.847 | 12 | 0.3 | 0.0 |
| START_UP | 02/09/2022 | 17:17 | ~ | 02/09/2022 | 17:41 | 25 | 9155.601 | 25 | 729.8 | 25 | 97.653 | 25 | 376.73 | 25 | 6.3 | 1.6 |
| SHUT_DOWN | 02/09/2022 | 23:29 | ~ | 02/09/2022 | 23:39 | 11 | 1371.7 | 11 | 0.9 | 11 | 0.24 | 11 | 14.983 | 11 | 0.2 | 0.0 |
| START_UP | 02/10/2022 | 06:52 | ~ | 02/10/2022 | 07:16 | 25 | 16839.3 | 25 | 1857.9 | 25 | 146.562 | 25 | 480.135 | 25 | 8.0 | 2.4 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| SHUT_DOWN | 02/10/2022 | 21:29 | ~ | 02/10/2022 | 21:39 | 11 | 1398.3 | 11 | 2.6 | 11 | 0.32 | 11 | 11.949 | 11 | 0.2 | 0.0 |
| START_UP | 02/11/2022 | 17:48 | ~ | 02/11/2022 | 18:12 | 25 | 8180 | 25 | 578.8 | 25 | 172.258 | 25 | 317.902 | 25 | 5.3 | 2.9 |
| SHUT_DOWN | 02/11/2022 | 22:58 | ~ | 02/11/2022 | 23:09 | 12 | 1641.6 | 12 | 16.5 | 12 | 0.572 | 12 | 16.656 | 12 | 0.3 | 0.0 |
| START_UP | 02/12/2022 | 17:28 | ~ | 02/12/2022 | 17:52 | 25 | 11045.8 | 25 | 967.3 | 25 | 69.235 | 25 | 412.894 | 25 | 6.9 | 1.2 |
| SHUT_DOWN | 02/12/2022 | 20:59 | ~ | 02/12/2022 | 21:09 | 11 | 1404.3 | 11 | 1 | 11 | 0.43 | 11 | 14.112 | 11 | 0.2 | 0.0 |
| START_UP | 02/12/2022 | 22:12 | ~ | 02/12/2022 | 22:36 | 25 | 10791.4 | 25 | 943.3 | 25 | 37.832 | 25 | 138.339 | 25 | 2.3 | 0.6 |
| SHUT_DOWN | 02/12/2022 | 23:29 | ~ | 02/12/2022 | 23:39 | 11 | 1378.8 | 11 | 0.8 | 11 | 0.368 | 11 | 16.123 | 11 | 0.3 | 0.0 |
| START_UP | 02/13/2022 | 15:53 | ~ | 02/13/2022 | 16:17 | 25 | 8114.4 | 25 | 568.5 | 25 | 131.542 | 25 | 328.695 | 25 | 5.5 | 2.2 |
| SHUT_DOWN | 02/13/2022 | 23:32 | ~ | 02/13/2022 | 23:42 | 11 | 1452.3 | 11 | 7.6 | 11 | 0.659 | 11 | 17.416 | 11 | 0.3 | 0.0 |
| START_UP | 02/14/2022 | 16:32 | ~ | 02/14/2022 | 16:56 | 25 | 12184.1 | 25 | 1155.6 | 25 | 147.322 | 25 | 361.063 | 25 | 6.0 | 2.5 |
| SHUT_DOWN | 02/14/2022 | 21:59 | ~ | 02/14/2022 | 22:09 | 11 | 1379.1 | 11 | 1 | 11 | 0.453 | 11 | 11.822 | 11 | 0.2 | 0.0 |
| START_UP | 02/15/2022 | 15:53 | ~ | 02/15/2022 | 16:17 | 25 | 8084.6 | 25 | 562.9 | 25 | 168.375 | 25 | 333.479 | 25 | 5.6 | 2.8 |
| SHUT_DOWN | 02/15/2022 | 20:59 | ~ | 02/15/2022 | 21:09 | 11 | 1418.5 | 11 | 4.9 | 11 | 0.017 | 11 | 15.702 | 11 | 0.3 | 0.0 |
| START_UP | 02/16/2022 | 05:52 | ~ | 02/16/2022 | 06:16 | 25 | 8061.2 | 25 | 562.2 | 25 | 119.172 | 25 | 310.731 | 25 | 5.2 | 2.0 |
| SHUT_DOWN | 02/16/2022 | 07:28 | ~ | 02/16/2022 | 07:39 | 12 | 1669.9 | 12 | 18 | 12 | 0.041 | 12 | 18.981 | 12 | 0.3 | 0.0 |
| START_UP | 02/16/2022 | 15:52 | ~ | 02/16/2022 | 16:16 | 25 | 7945 | 25 | 545.7 | 25 | 107.338 | 25 | 294.757 | 25 | 4.9 | 1.8 |
| SHUT_DOWN | 02/16/2022 | 22:58 | ~ | 02/16/2022 | 23:09 | 12 | 1695.7 | 12 | 19.8 | 12 | 0.006 | 12 | 15.248 | 12 | 0.3 | 0.0 |
| START_UP | 02/17/2022 | 15:53 | ~ | 02/17/2022 | 16:17 | 25 | 8178.401 | 25 | 566.9 | 25 | 149.699 | 25 | 326.354 | 25 | 5.4 | 2.5 |
| SHUT_DOWN | 02/17/2022 | 22:58 | ~ | 02/17/2022 | 23:09 | 12 | 1686.9 | 12 | 18.3 | 12 | 0.114 | 12 | 18.522 | 12 | 0.3 | 0.0 |
| START_UP | 02/18/2022 | 05:53 | ~ | 02/18/2022 | 06:17 | 25 | 8078.3 | 25 | 554.6 | 25 | 53.521 | 25 | 299.638 | 25 | 5.0 | 0.9 |
| SHUT_DOWN | 02/18/2022 | 06:59 | ~ | 02/18/2022 | 07:09 | 11 | 1411.5 | 11 | 2.5 | 11 | 0.037 | 11 | 20.003 | 11 | 0.3 | 0.0 |
| START_UP | 02/18/2022 | 17:58 | ~ | 02/18/2022 | 18:22 | 25 | 11859.7 | 25 | 1098.4 | 25 | 119.822 | 25 | 461.794 | 25 | 7.7 | 2.0 |
| SHUT_DOWN | 02/18/2022 | 21:13 | ~ | 02/18/2022 | 21:23 | 11 | 1520.9 | 11 | 15.1 | 11 | 0.515 | 11 | 12.597 | 11 | 0.2 | 0.0 |
| START_UP | 02/19/2022 | 16:47 | ~ | 02/19/2022 | 17:11 | 25 | 7959.7 | 25 | 551.5 | 25 | 152.284 | 25 | 313.198 | 25 | 5.2 | 2.5 |
| SHUT_DOWN | 02/19/2022 | 20:43 | ~ | 02/19/2022 | 20:54 | 12 | 1671.3 | 12 | 17.6 | 12 | 1.116 | 12 | 13.117 | 12 | 0.2 | 0.0 |
| START_UP | 02/20/2022 | 16:22 | ~ | 02/20/2022 | 16:46 | 25 | 8004.4 | 25 | 554.6 | 25 | 152.091 | 25 | 327.929 | 25 | 5.5 | 2.5 |
| SHUT_DOWN | 02/20/2022 | 17:28 | ~ | 02/20/2022 | 17:38 | 11 | 1514.7 | 11 | 13.5 | 11 | 1.496 | 11 | 12.06 | 11 | 0.2 | 0.0 |
| START_UP | 02/21/2022 | 16:47 | ~ | 02/21/2022 | 17:11 | 25 | 7975.3 | 25 | 552.6 | 25 | 135.918 | 25 | 346.941 | 25 | 5.8 | 2.3 |
| SHUT_DOWN | 02/21/2022 | 20:13 | ~ | 02/21/2022 | 20:24 | 12 | 1662.8 | 12 | 16.5 | 12 | 1.165 | 12 | 13.957 | 12 | 0.2 | 0.0 |
| START_UP | 02/22/2022 | 05:52 | ~ | 02/22/2022 | 06:16 | 25 | 8034.8 | 25 | 557.9 | 25 | 114.771 | 25 | 306.096 | 25 | 5.1 | 1.9 |
| SHUT_DOWN | 02/22/2022 | 07:29 | ~ | 02/22/2022 | 07:39 | 11 | 1425.7 | 11 | 4.2 | 11 | 1.273 | 11 | 12.448 | 11 | 0.2 | 0.0 |
| START_UP | 02/22/2022 | 15:07 | ~ | 02/22/2022 | 15:31 | 25 | 9521.801 | 25 | 755.5 | 25 | 129.876 | 25 | 328.002 | 25 | 5.5 | 2.2 |
| SHUT_DOWN | 02/22/2022 | 21:28 | ~ | 02/22/2022 | 21:39 | 12 | 1639.7 | 12 | 16.2 | 12 | 1.347 | 12 | 14.839 | 12 | 0.2 | 0.0 |
| START_UP | 02/23/2022 | 05:52 | ~ | 02/23/2022 | 06:16 | 25 | 13352.9 | 25 | 1318.3 | 25 | 118.511 | 25 | 374.116 | 25 | 6.2 | 2.0 |
| SHUT_DOWN | 02/23/2022 | 08:14 | ~ | 02/23/2022 | 08:24 | 11 | 1405.5 | 11 | 2.9 | 11 | 1.397 | 11 | 15.9 | 11 | 0.3 | 0.0 |
| START_UP | 02/23/2022 | 16:37 | ~ | 02/23/2022 | 17:01 | 25 | 17786.1 | 25 | 1960.5 | 25 | 93.157 | 25 | 485.565 | 25 | 8.1 | 1.6 |
| SHUT_DOWN | 02/23/2022 | 21:45 | ~ | 02/23/2022 | 21:55 | 11 | 1395.4 | 11 | 1.2 | 11 | 1.607 | 11 | 15.153 | 11 | 0.3 | 0.0 |
| START_UP | 02/24/2022 | 05:52 | ~ | 02/24/2022 | 06:16 | 25 | 14651.1 | 25 | 1507.9 | 25 | 140.585 | 25 | 394.761 | 25 | 6.6 | 2.3 |
| SHUT_DOWN | 02/24/2022 | 07:29 | ~ | 02/24/2022 | 07:39 | 11 | 1404.7 | 11 | 2.1 | 11 | 1.993 | 11 | 17.593 | 11 | 0.3 | 0.0 |
| START_UP | 02/24/2022 | 16:52 | ~ | 02/24/2022 | 17:16 | 25 | 13747 | 25 | 1381.4 | 25 | 141.024 | 25 | 360.385 | 25 | 6.0 | 2.4 |
| SHUT_DOWN | 02/24/2022 | 20:13 | ~ | 02/24/2022 | 20:24 | 12 | 1643.5 | 12 | 15.6 | 12 | 1.457 | 12 | 18.855 | 12 | 0.3 | 0.0 |
| START_UP | 02/25/2022 | 05:52 | ~ | 02/25/2022 | 06:16 | 25 | 7996.5 | 25 | 557.1 | 25 | 133.152 | 25 | 331.15 | 25 | 5.5 | 2.2 |
| SHUT_DOWN | 02/25/2022 | 06:58 | ~ | 02/25/2022 | 07:09 | 12 | 1676.4 | 12 | 18 | 12 | 2.137 | 12 | 21.613 | 12 | 0.4 | 0.0 |
| START_UP | 02/25/2022 | 16:43 | ~ | 02/25/2022 | 17:07 | 25 | 8421.2 | 25 | 604 | 25 | 185.386 | 25 | 329.683 | 25 | 5.5 | 3.1 |
| SHUT_DOWN | 02/25/2022 | 20:58 | ~ | 02/25/2022 | 21:08 | 11 | 1519.1 | 11 | 14 | 11 | 1.594 | 11 | 14.948 | 11 | 0.2 | 0.0 |
| START_UP | 02/26/2022 | 16:37 | ~ | 02/26/2022 | 17:01 | 25 | 8361.899 | 25 | 602 | 25 | 148.984 | 25 | 331.058 | 25 | 5.5 | 2.5 |
| SHUT_DOWN | 02/26/2022 | 20:44 | ~ | 02/26/2022 | 20:54 | 11 | 1391.5 | 11 | 0.9 | 11 | 1.372 | 11 | 14.947 | 11 | 0.2 | 0.0 |
| START_UP | 02/27/2022 | 16:37 | ~ | 02/27/2022 | 17:01 | 25 | 10473.9 | 25 | 889.2 | 25 | 125.118 | 25 | 343.02 | 25 | 5.7 | 2.1 |
| SHUT_DOWN | 02/27/2022 | 19:58 | ~ | 02/27/2022 | 20:08 | 11 | 1500.2 | 11 | 12.5 | 11 | 1.445 | 11 | 12.76 | 11 | 0.2 | 0.0 |
| START_UP | 02/28/2022 | 05:52 | ~ | 02/28/2022 | 06:16 | 25 | 7999.801 | 25 | 558.6 | 25 | 115.394 | 25 | 332.401 | 25 | 5.5 | 1.9 |
| SHUT_DOWN | 02/28/2022 | 06:58 | ~ | 02/28/2022 | 07:08 | 11 | 1501.3 | 11 | 13.5 | 11 | 2.276 | 11 | 18.573 | 11 | 0.3 | 0.0 |
| START_UP | 02/28/2022 | 16:37 | ~ | 02/28/2022 | 17:01 | 25 | 8010.7 | 25 | 561.8 | 25 | 130.306 | 25 | 308.218 | 25 | 5.1 | 2.2 |
| SHUT_DOWN | 02/28/2022 | 20:58 | ~ | 02/28/2022 | 21:09 | 12 | 1659.3 | 12 | 20.1 | 12 | 1.508 | 12 | 15.218 | 12 | 0.3 | 0.0 |
| START_UP | 03/01/2022 | 05:52 | ~ | 03/01/2022 | 06:16 | 25 | 8056.4 | 25 | 564.6 | 25 | 93.632 | 17 | 311.982 | 17 | 5.2 | 1.6 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|---------|----|--------|----|---------|----|---------|----|-----|-----|
| START_UP | 03/04/2022 | 07:52 | ~ | 03/04/2022 | 08:16 | 25 | 13214.2 | 25 | 1306.3 | 25 | 170.543 | 25 | 373.083 | 25 | 6.2 | 2.8 |
| SHUT_DOWN | 03/04/2022 | 09:28 | ~ | 03/04/2022 | 09:38 | 11 | 1498.9 | 11 | 11.7 | 11 | 0.284 | 11 | 10.796 | 11 | 0.2 | 0.0 |
| START_UP | 03/07/2022 | 17:22 | ~ | 03/07/2022 | 17:46 | 25 | 8140.9 | 25 | 566.2 | 25 | 117.119 | 25 | 321.61 | 25 | 5.4 | 2.0 |
| SHUT_DOWN | 03/07/2022 | 19:29 | ~ | 03/07/2022 | 19:39 | 11 | 1410.4 | 11 | 1.1 | 11 | 1.335 | 11 | 11.412 | 11 | 0.2 | 0.0 |
| START_UP | 03/14/2022 | 07:22 | ~ | 03/14/2022 | 07:46 | 25 | 10532 | 25 | 889.2 | 25 | 219.54 | 25 | 378.647 | 25 | 6.3 | 3.7 |
| SHUT_DOWN | 03/14/2022 | 09:43 | ~ | 03/14/2022 | 09:53 | 11 | 1525.3 | 11 | 10.5 | 11 | 1.144 | 11 | 11.798 | 11 | 0.2 | 0.0 |
| START_UP | 03/14/2022 | 17:52 | ~ | 03/14/2022 | 18:16 | 25 | 9648.8 | 25 | 757 | 25 | 113.613 | 25 | 288.807 | 25 | 4.8 | 1.9 |
| SHUT_DOWN | 03/14/2022 | 19:13 | ~ | 03/14/2022 | 19:23 | 11 | 1527.8 | 11 | 10.6 | 11 | 0.586 | 11 | 10.502 | 11 | 0.2 | 0.0 |
| START_UP | 03/19/2022 | 07:30 | ~ | 03/19/2022 | 07:54 | 25 | 18902.3 | 25 | 2102.8 | 25 | 158.497 | 25 | 572.144 | 25 | 9.5 | 2.6 |
| SHUT_DOWN | 03/19/2022 | 20:14 | ~ | 03/19/2022 | 20:24 | 11 | 1482 | 11 | 8.5 | 11 | 0.993 | 11 | 9.579 | 11 | 0.2 | 0.0 |
| START_UP | 03/29/2022 | 14:37 | ~ | 03/29/2022 | 15:01 | 25 | 8299.1 | 25 | 573.1 | 25 | 82.614 | 25 | 322.016 | 25 | 5.4 | 1.4 |
| SHUT_DOWN | 03/29/2022 | 16:13 | ~ | 03/29/2022 | 16:23 | 11 | 1496.4 | 11 | 7.9 | 11 | 1.15 | 11 | 12.003 | 11 | 0.2 | 0.0 |
| START_UP | 03/29/2022 | 17:16 | ~ | 03/29/2022 | 17:40 | 25 | 8254.6 | 25 | 571.2 | 25 | 34.096 | 25 | 93.043 | 25 | 1.6 | 0.6 |
| SHUT_DOWN | 03/29/2022 | 18:58 | ~ | 03/29/2022 | 19:08 | 11 | 1495.9 | 11 | 8 | 11 | 0.995 | 11 | 11.642 | 11 | 0.2 | 0.0 |

Startup / ShutDown Report
 Generated: 4/1/2022 08:07
 StartUp/ShutDown Event Report NRG Carlsbad Unit 9
 Carlsbad Unit 9

Company: NRG Carlsbad
 Plant: 4600 Carlsbad Blvd
 City/St: Carlsbad, CA 92008

Period Start: 1/1/2022 00:00
 Period End: 3/31/2022 23:59
 Unit Name: Unit9

| Events | Time | Duration (min) | Total | | Total | | Total | | Total | | NOx Lbs/Event | CO Lbs/Event |
|-----------|-------------------------------------|-------------------|----------------------|---------------|-------------------|---------------|-------------------|---------------|--------------------|---------------|------------------|-----------------|
| | | | 9_GasFlow (kscfh) | Valid Mins | 9Gross_MW (MW) | Valid Mins | 9COLBHR (LBHR) | Valid Mins | 9NOXLBHR (LBHR) | Valid Mins | | |
| SHUT_DOWN | 01/02/2022 00:12 ~ 01/02/2022 00:22 | 11 | 1406.2 | 11 | 2.8 | 11 | 0.98 | 11 | 21.854 | 11 | 0.4 | 0.0 |
| START_UP | 01/02/2022 16:23 ~ 01/02/2022 16:47 | 25 | 8718.601 | 25 | 658.4 | 25 | 69.733 | 25 | 335.859 | 25 | 5.6 | 1.2 |
| SHUT_DOWN | 01/02/2022 22:59 ~ 01/02/2022 23:09 | 11 | 1478.9 | 11 | 8.8 | 11 | 1.043 | 11 | 20.605 | 11 | 0.3 | 0.0 |
| START_UP | 01/03/2022 05:53 ~ 01/03/2022 06:17 | 25 | 8992.898 | 25 | 684.6 | 25 | 56.321 | 17 | 315.379 | 17 | 5.3 | 0.9 |
| SHUT_DOWN | 01/03/2022 08:59 ~ 01/03/2022 09:09 | 11 | 1448.2 | 11 | 5.6 | 11 | 1.135 | 11 | 21.942 | 11 | 0.4 | 0.0 |
| START_UP | 01/03/2022 16:03 ~ 01/03/2022 16:27 | 25 | 10977.2 | 25 | 954.5 | 25 | 76.915 | 25 | 342.612 | 25 | 5.7 | 1.3 |
| SHUT_DOWN | 01/03/2022 21:59 ~ 01/03/2022 22:09 | 11 | 1428.1 | 11 | 3.4 | 11 | 0.895 | 11 | 19.006 | 11 | 0.3 | 0.0 |
| START_UP | 01/04/2022 14:53 ~ 01/04/2022 15:17 | 25 | 8251.601 | 25 | 589 | 25 | 95.506 | 25 | 320.763 | 25 | 5.3 | 1.6 |
| SHUT_DOWN | 01/04/2022 19:59 ~ 01/04/2022 20:10 | 12 | 1628.7 | 12 | 14.8 | 12 | 0.863 | 12 | 19.174 | 12 | 0.3 | 0.0 |
| START_UP | 01/05/2022 16:18 ~ 01/05/2022 16:42 | 25 | 10157 | 25 | 849.8 | 25 | 176.065 | 25 | 385.054 | 25 | 6.4 | 2.9 |
| SHUT_DOWN | 01/05/2022 21:14 ~ 01/05/2022 21:24 | 11 | 1472.1 | 11 | 9.3 | 11 | 0.861 | 11 | 17.092 | 11 | 0.3 | 0.0 |
| START_UP | 01/06/2022 06:23 ~ 01/06/2022 06:47 | 25 | 7938.3 | 25 | 557.9 | 25 | 65.927 | 25 | 295.877 | 25 | 4.9 | 1.1 |
| SHUT_DOWN | 01/06/2022 08:14 ~ 01/06/2022 08:24 | 11 | 1450.6 | 11 | 7.3 | 11 | 0.861 | 11 | 18.663 | 11 | 0.3 | 0.0 |
| START_UP | 01/06/2022 14:53 ~ 01/06/2022 15:17 | 25 | 8450 | 25 | 617.3 | 25 | 58.754 | 25 | 281.124 | 25 | 4.7 | 1.0 |
| SHUT_DOWN | 01/06/2022 21:59 ~ 01/06/2022 22:09 | 11 | 1499.8 | 11 | 13.3 | 11 | 0.796 | 11 | 16.731 | 11 | 0.3 | 0.0 |
| START_UP | 01/07/2022 06:23 ~ 01/07/2022 06:47 | 25 | 7994 | 25 | 563 | 25 | 167.702 | 25 | 320.272 | 25 | 5.3 | 2.8 |
| SHUT_DOWN | 01/07/2022 07:29 ~ 01/07/2022 07:39 | 11 | 1438.1 | 11 | 6 | 11 | 0.976 | 11 | 17.267 | 11 | 0.3 | 0.0 |
| START_UP | 01/07/2022 14:53 ~ 01/07/2022 15:17 | 25 | 9294.801 | 25 | 742.4 | 25 | 69.363 | 25 | 309.155 | 25 | 5.2 | 1.2 |
| SHUT_DOWN | 01/07/2022 21:44 ~ 01/07/2022 21:54 | 11 | 1509 | 11 | 14.2 | 11 | 1.106 | 11 | 15.61 | 11 | 0.3 | 0.0 |
| START_UP | 01/08/2022 14:53 ~ 01/08/2022 15:17 | 25 | 8095.3 | 25 | 572.2 | 25 | 69.969 | 25 | 309.077 | 25 | 5.2 | 1.2 |
| SHUT_DOWN | 01/08/2022 19:59 ~ 01/08/2022 20:09 | 11 | 1424.9 | 11 | 3.9 | 11 | 1.026 | 11 | 16.106 | 11 | 0.3 | 0.0 |
| START_UP | 01/08/2022 20:53 ~ 01/08/2022 21:17 | 25 | 7963.6 | 25 | 556.5 | 25 | 14.015 | 25 | 100.114 | 25 | 1.7 | 0.2 |
| SHUT_DOWN | 01/08/2022 21:59 ~ 01/08/2022 22:09 | 11 | 1437.3 | 11 | 5.1 | 11 | 0.971 | 11 | 17.632 | 11 | 0.3 | 0.0 |
| START_UP | 01/09/2022 14:53 ~ 01/09/2022 15:17 | 25 | 8140.3 | 25 | 571 | 25 | 69.882 | 25 | 304.642 | 25 | 5.1 | 1.2 |
| SHUT_DOWN | 01/09/2022 22:29 ~ 01/09/2022 22:39 | 11 | 1537.9 | 11 | 14.8 | 11 | 0.827 | 11 | 19.566 | 11 | 0.3 | 0.0 |
| START_UP | 01/10/2022 05:53 ~ 01/10/2022 06:17 | 25 | 8138.3 | 25 | 570.4 | 25 | 57.526 | 25 | 325.523 | 25 | 5.4 | 1.0 |
| SHUT_DOWN | 01/10/2022 09:29 ~ 01/10/2022 09:39 | 11 | 1411.9 | 11 | 2.3 | 11 | 0.967 | 11 | 17.417 | 11 | 0.3 | 0.0 |
| START_UP | 01/10/2022 14:52 ~ 01/10/2022 15:16 | 25 | 8853.399 | 25 | 679.6 | 25 | 79.402 | 25 | 262.058 | 25 | 4.4 | 1.3 |
| SHUT_DOWN | 01/10/2022 23:29 ~ 01/10/2022 23:40 | 12 | 1664 | 12 | 15.8 | 12 | 0.903 | 12 | 19.666 | 12 | 0.3 | 0.0 |
| START_UP | 01/11/2022 06:53 ~ 01/11/2022 07:17 | 25 | 8018.499 | 25 | 558.7 | 25 | 57.196 | 25 | 302.959 | 25 | 5.0 | 1.0 |
| SHUT_DOWN | 01/11/2022 11:59 ~ 01/11/2022 12:09 | 11 | 1452 | 11 | 6.4 | 11 | 1.208 | 11 | 17.042 | 11 | 0.3 | 0.0 |
| START_UP | 01/11/2022 16:27 ~ 01/11/2022 16:51 | 25 | 12547.7 | 25 | 1198.4 | 25 | 72.164 | 25 | 346.488 | 25 | 5.8 | 1.2 |
| SHUT_DOWN | 01/11/2022 20:59 ~ 01/11/2022 21:09 | 11 | 1445.2 | 11 | 6.1 | 11 | 1.046 | 11 | 19.048 | 11 | 0.3 | 0.0 |
| START_UP | 01/12/2022 06:23 ~ 01/12/2022 06:47 | 25 | 7984.5 | 25 | 557.9 | 25 | 61.374 | 25 | 351.385 | 25 | 5.9 | 1.0 |
| SHUT_DOWN | 01/12/2022 21:14 ~ 01/12/2022 21:24 | 11 | 1491.4 | 11 | 10.6 | 11 | 1.242 | 11 | 16.096 | 11 | 0.3 | 0.0 |
| START_UP | 01/13/2022 05:53 ~ 01/13/2022 06:17 | 25 | 8236.4 | 25 | 591.7 | 25 | 56.564 | 25 | 301.512 | 25 | 5.0 | 0.9 |
| SHUT_DOWN | 01/13/2022 08:14 ~ 01/13/2022 08:24 | 11 | 1464 | 11 | 7.5 | 11 | 1.24 | 11 | 24.066 | 11 | 0.4 | 0.0 |
| START_UP | 01/13/2022 14:53 ~ 01/13/2022 15:17 | 25 | 8239.7 | 25 | 596.2 | 25 | 51.051 | 25 | 304.322 | 25 | 5.1 | 0.9 |
| SHUT_DOWN | 01/13/2022 19:59 ~ 01/13/2022 20:09 | 11 | 1435.3 | 11 | 5.8 | 11 | 1.092 | 11 | 16.024 | 11 | 0.3 | 0.0 |
| START_UP | 01/14/2022 05:53 ~ 01/14/2022 06:17 | 25 | 8059.9 | 25 | 568.9 | 25 | 50.654 | 25 | 307.03 | 25 | 5.1 | 0.8 |
| SHUT_DOWN | 01/14/2022 09:14 ~ 01/14/2022 09:24 | 11 | 1448.2 | 11 | 6.8 | 11 | 1.135 | 11 | 16.999 | 11 | 0.3 | 0.0 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| START_UP | 01/14/2022 | 14:53 | ~ | 01/14/2022 | 15:17 | 25 | 8038.6 | 25 | 565.8 | 25 | 130.723 | 14 | 257.292 | 14 | 4.3 | 2.2 |
| SHUT_DOWN | 01/14/2022 | 19:59 | ~ | 01/14/2022 | 20:09 | 11 | 1451.2 | 11 | 6.6 | 11 | 1.258 | 11 | 15.328 | 11 | 0.3 | 0.0 |
| START_UP | 01/15/2022 | 14:53 | ~ | 01/15/2022 | 15:17 | 25 | 8062.899 | 25 | 569.1 | 25 | 77.344 | 25 | 304.788 | 25 | 5.1 | 1.3 |
| SHUT_DOWN | 01/15/2022 | 21:14 | ~ | 01/15/2022 | 21:24 | 11 | 1405.3 | 11 | 3.4 | 11 | 1.136 | 11 | 18.799 | 11 | 0.3 | 0.0 |
| START_UP | 01/16/2022 | 14:53 | ~ | 01/16/2022 | 15:17 | 25 | 9608.101 | 25 | 780.2 | 25 | 69.257 | 25 | 299.687 | 25 | 5.0 | 1.2 |
| SHUT_DOWN | 01/16/2022 | 22:14 | ~ | 01/16/2022 | 22:24 | 11 | 1415 | 11 | 3.6 | 11 | 1.26 | 11 | 13.366 | 11 | 0.2 | 0.0 |
| START_UP | 01/17/2022 | 14:53 | ~ | 01/17/2022 | 15:17 | 25 | 8211.2 | 25 | 589.3 | 25 | 66.562 | 25 | 290.931 | 25 | 4.8 | 1.1 |
| SHUT_DOWN | 01/17/2022 | 22:14 | ~ | 01/17/2022 | 22:24 | 11 | 1411.4 | 11 | 2.9 | 11 | 1.257 | 11 | 14.099 | 11 | 0.2 | 0.0 |
| START_UP | 01/18/2022 | 14:53 | ~ | 01/18/2022 | 15:17 | 25 | 8109.9 | 25 | 571.9 | 25 | 188.24 | 25 | 289.816 | 25 | 4.8 | 3.1 |
| SHUT_DOWN | 01/18/2022 | 21:14 | ~ | 01/18/2022 | 21:24 | 11 | 1497.5 | 11 | 12.9 | 11 | 1.257 | 11 | 15.162 | 11 | 0.3 | 0.0 |
| START_UP | 01/19/2022 | 05:53 | ~ | 01/19/2022 | 06:17 | 25 | 8038 | 25 | 562.6 | 25 | 62.888 | 25 | 274.877 | 25 | 4.6 | 1.0 |
| SHUT_DOWN | 01/19/2022 | 08:14 | ~ | 01/19/2022 | 08:24 | 11 | 1399.6 | 11 | 1.2 | 11 | 1.311 | 11 | 15.473 | 11 | 0.3 | 0.0 |
| START_UP | 01/19/2022 | 14:53 | ~ | 01/19/2022 | 15:17 | 25 | 8080.5 | 25 | 570.6 | 25 | 63.019 | 25 | 279.702 | 25 | 4.7 | 1.1 |
| SHUT_DOWN | 01/19/2022 | 15:59 | ~ | 01/19/2022 | 16:09 | 11 | 1424.6 | 11 | 4.4 | 11 | 1.429 | 11 | 14.093 | 11 | 0.2 | 0.0 |
| START_UP | 01/19/2022 | 16:52 | ~ | 01/19/2022 | 17:16 | 25 | 7916.599 | 25 | 553.2 | 25 | 13.944 | 25 | 97.402 | 25 | 1.6 | 0.2 |
| SHUT_DOWN | 01/19/2022 | 19:59 | ~ | 01/19/2022 | 20:09 | 11 | 1424.5 | 11 | 4.5 | 11 | 1.27 | 11 | 15.374 | 11 | 0.3 | 0.0 |
| START_UP | 01/19/2022 | 20:52 | ~ | 01/19/2022 | 21:16 | 25 | 7973.5 | 25 | 557.1 | 25 | 11.82 | 25 | 100.905 | 25 | 1.7 | 0.2 |
| SHUT_DOWN | 01/19/2022 | 21:59 | ~ | 01/19/2022 | 22:09 | 11 | 1458.9 | 11 | 7.3 | 11 | 1.175 | 11 | 17.232 | 11 | 0.3 | 0.0 |
| START_UP | 01/20/2022 | 05:53 | ~ | 01/20/2022 | 06:17 | 25 | 8048.3 | 25 | 563.3 | 25 | 55.004 | 25 | 305.729 | 25 | 5.1 | 0.9 |
| SHUT_DOWN | 01/20/2022 | 08:59 | ~ | 01/20/2022 | 09:09 | 11 | 1507.9 | 11 | 12.8 | 11 | 1.113 | 11 | 17.745 | 11 | 0.3 | 0.0 |
| START_UP | 01/20/2022 | 14:53 | ~ | 01/20/2022 | 15:17 | 25 | 8119.1 | 25 | 575.3 | 25 | 154.332 | 25 | 270.636 | 25 | 4.5 | 2.6 |
| SHUT_DOWN | 01/20/2022 | 21:14 | ~ | 01/20/2022 | 21:24 | 11 | 1520.6 | 11 | 14.2 | 11 | 1.346 | 11 | 17.308 | 11 | 0.3 | 0.0 |
| START_UP | 01/21/2022 | 05:53 | ~ | 01/21/2022 | 06:17 | 25 | 8039.099 | 25 | 565.2 | 25 | 156.985 | 25 | 317.516 | 25 | 5.3 | 2.6 |
| SHUT_DOWN | 01/21/2022 | 06:59 | ~ | 01/21/2022 | 07:09 | 11 | 1431.3 | 11 | 5.2 | 11 | 1.212 | 11 | 21.316 | 11 | 0.4 | 0.0 |
| START_UP | 01/21/2022 | 07:53 | ~ | 01/21/2022 | 08:17 | 25 | 8109.899 | 25 | 573.4 | 25 | 24.047 | 25 | 117.732 | 25 | 2.0 | 0.4 |
| SHUT_DOWN | 01/21/2022 | 08:59 | ~ | 01/21/2022 | 09:09 | 11 | 1422.9 | 11 | 4.6 | 11 | 1.148 | 11 | 18.601 | 11 | 0.3 | 0.0 |
| START_UP | 01/21/2022 | 14:53 | ~ | 01/21/2022 | 15:17 | 25 | 9116.899 | 25 | 716.1 | 25 | 134.645 | 25 | 286.025 | 25 | 4.8 | 2.2 |
| SHUT_DOWN | 01/21/2022 | 16:00 | ~ | 01/21/2022 | 16:10 | 11 | 1389.5 | 11 | 2 | 11 | 1.341 | 11 | 11.954 | 11 | 0.2 | 0.0 |
| START_UP | 01/21/2022 | 16:53 | ~ | 01/21/2022 | 17:17 | 25 | 7986.3 | 25 | 563 | 25 | 22.285 | 25 | 91.31 | 25 | 1.5 | 0.4 |
| SHUT_DOWN | 01/21/2022 | 19:59 | ~ | 01/21/2022 | 20:09 | 11 | 1406.6 | 11 | 2.7 | 11 | 1.28 | 11 | 14.973 | 11 | 0.2 | 0.0 |
| START_UP | 01/22/2022 | 15:52 | ~ | 01/22/2022 | 16:16 | 25 | 7826.8 | 25 | 543.9 | 25 | 181.847 | 24 | 311.14 | 24 | 5.2 | 3.0 |
| SHUT_DOWN | 01/22/2022 | 18:59 | ~ | 01/22/2022 | 19:09 | 11 | 1441.9 | 11 | 5.6 | 11 | 1.252 | 11 | 16.214 | 11 | 0.3 | 0.0 |
| START_UP | 01/22/2022 | 19:52 | ~ | 01/22/2022 | 20:16 | 25 | 7876.2 | 25 | 546.7 | 25 | 17.996 | 25 | 105.403 | 25 | 1.8 | 0.3 |
| SHUT_DOWN | 01/22/2022 | 20:59 | ~ | 01/22/2022 | 21:09 | 11 | 1446.6 | 11 | 5.8 | 11 | 2.09 | 11 | 18.348 | 11 | 0.3 | 0.0 |
| START_UP | 01/23/2022 | 14:53 | ~ | 01/23/2022 | 15:17 | 25 | 10959.9 | 25 | 956.6 | 25 | 100.449 | 25 | 321.027 | 25 | 5.4 | 1.7 |
| SHUT_DOWN | 01/23/2022 | 22:14 | ~ | 01/23/2022 | 22:24 | 11 | 1405.9 | 11 | 1.9 | 11 | 1.353 | 11 | 21.735 | 11 | 0.4 | 0.0 |
| START_UP | 01/24/2022 | 05:54 | ~ | 01/24/2022 | 06:18 | 25 | 11533.9 | 25 | 1066.7 | 25 | 138.663 | 25 | 324.967 | 25 | 5.4 | 2.3 |
| SHUT_DOWN | 01/24/2022 | 09:14 | ~ | 01/24/2022 | 09:24 | 11 | 1419.6 | 11 | 3.3 | 11 | 1.234 | 11 | 20.894 | 11 | 0.3 | 0.0 |
| START_UP | 01/24/2022 | 14:53 | ~ | 01/24/2022 | 15:17 | 25 | 8169.399 | 25 | 582.8 | 25 | 129.248 | 25 | 269.78 | 25 | 4.5 | 2.2 |
| SHUT_DOWN | 01/24/2022 | 21:14 | ~ | 01/24/2022 | 21:24 | 11 | 1399.9 | 11 | 2.5 | 11 | 1.424 | 11 | 15.719 | 11 | 0.3 | 0.0 |
| START_UP | 01/25/2022 | 05:53 | ~ | 01/25/2022 | 06:17 | 25 | 7997.6 | 25 | 564.8 | 25 | 171.255 | 25 | 328.579 | 25 | 5.5 | 2.9 |
| SHUT_DOWN | 01/25/2022 | 09:14 | ~ | 01/25/2022 | 09:24 | 11 | 1459.8 | 11 | 8.6 | 11 | 1.557 | 11 | 17.788 | 11 | 0.3 | 0.0 |
| START_UP | 01/25/2022 | 14:53 | ~ | 01/25/2022 | 15:17 | 25 | 8035.8 | 25 | 570.5 | 25 | 49.991 | 25 | 258.397 | 25 | 4.3 | 0.8 |
| SHUT_DOWN | 01/25/2022 | 21:59 | ~ | 01/25/2022 | 22:09 | 11 | 1404 | 11 | 2.4 | 11 | 1.444 | 11 | 16.265 | 11 | 0.3 | 0.0 |
| START_UP | 01/26/2022 | 05:53 | ~ | 01/26/2022 | 06:17 | 25 | 8034.5 | 25 | 563.9 | 25 | 163.941 | 25 | 308.573 | 25 | 5.1 | 2.7 |
| SHUT_DOWN | 01/26/2022 | 09:14 | ~ | 01/26/2022 | 09:24 | 11 | 1426.5 | 11 | 3.7 | 11 | 1.751 | 11 | 20.369 | 11 | 0.3 | 0.0 |
| START_UP | 01/26/2022 | 15:23 | ~ | 01/26/2022 | 15:47 | 25 | 8065.7 | 25 | 565.5 | 25 | 161.74 | 25 | 277.354 | 25 | 4.6 | 2.7 |
| SHUT_DOWN | 01/26/2022 | 21:59 | ~ | 01/26/2022 | 22:09 | 11 | 1406.4 | 11 | 1.8 | 11 | 1.078 | 11 | 19.089 | 11 | 0.3 | 0.0 |
| START_UP | 01/27/2022 | 05:53 | ~ | 01/27/2022 | 06:17 | 25 | 8078.2 | 25 | 560.7 | 25 | 49.099 | 25 | 340.746 | 25 | 5.7 | 0.8 |
| SHUT_DOWN | 01/27/2022 | 08:59 | ~ | 01/27/2022 | 09:09 | 11 | 1482.5 | 11 | 8.8 | 11 | 1.324 | 11 | 18.734 | 11 | 0.3 | 0.0 |
| START_UP | 01/27/2022 | 15:07 | ~ | 01/27/2022 | 15:31 | 25 | 8142.9 | 25 | 569.9 | 25 | 71.482 | 25 | 261.649 | 25 | 4.4 | 1.2 |
| SHUT_DOWN | 01/27/2022 | 20:10 | ~ | 01/27/2022 | 20:20 | 11 | 1421 | 11 | 2.6 | 11 | 1.331 | 11 | 19.988 | 11 | 0.3 | 0.0 |
| START_UP | 01/28/2022 | 05:53 | ~ | 01/28/2022 | 06:17 | 25 | 10782.8 | 25 | 927.9 | 25 | 178.736 | 25 | 372.111 | 25 | 6.2 | 3.0 |
| SHUT_DOWN | 01/28/2022 | 07:29 | ~ | 01/28/2022 | 07:39 | 11 | 1435.6 | 11 | 4.3 | 11 | 1.552 | 11 | 25.424 | 11 | 0.4 | 0.0 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| START_UP | 01/28/2022 | 09:22 | ~ | 01/28/2022 | 09:46 | 25 | 10699.4 | 25 | 933.9 | 25 | 49.613 | 25 | 150.043 | 25 | 2.5 | 0.8 |
| SHUT_DOWN | 01/28/2022 | 11:14 | ~ | 01/28/2022 | 11:24 | 11 | 1393.6 | 11 | 0.7 | 11 | 0.619 | 11 | 20.068 | 11 | 0.3 | 0.0 |
| START_UP | 01/28/2022 | 16:53 | ~ | 01/28/2022 | 17:17 | 25 | 8001.699 | 25 | 554.2 | 25 | 57.24 | 25 | 278.166 | 25 | 4.6 | 1.0 |
| SHUT_DOWN | 01/28/2022 | 17:59 | ~ | 01/28/2022 | 18:09 | 11 | 1415.6 | 11 | 2.9 | 11 | 0.524 | 11 | 18.567 | 11 | 0.3 | 0.0 |
| START_UP | 01/28/2022 | 18:52 | ~ | 01/28/2022 | 19:16 | 25 | 7955.5 | 25 | 555.4 | 25 | 10.813 | 25 | 107.948 | 25 | 1.8 | 0.2 |
| SHUT_DOWN | 01/28/2022 | 19:59 | ~ | 01/28/2022 | 20:09 | 11 | 1401.6 | 11 | 2.1 | 11 | 0.355 | 11 | 23.362 | 11 | 0.4 | 0.0 |
| START_UP | 01/29/2022 | 16:37 | ~ | 01/29/2022 | 17:01 | 25 | 7773.599 | 25 | 540.5 | 25 | 51.874 | 24 | 332.168 | 24 | 5.5 | 0.9 |
| SHUT_DOWN | 01/29/2022 | 21:44 | ~ | 01/29/2022 | 21:54 | 11 | 1432.6 | 11 | 5.6 | 11 | 0.37 | 11 | 21.758 | 11 | 0.4 | 0.0 |
| START_UP | 01/30/2022 | 15:53 | ~ | 01/30/2022 | 16:17 | 25 | 7956.499 | 25 | 552.7 | 25 | 61.092 | 25 | 308.041 | 25 | 5.1 | 1.0 |
| SHUT_DOWN | 01/30/2022 | 18:59 | ~ | 01/30/2022 | 19:09 | 11 | 1427 | 11 | 4.4 | 11 | 0.644 | 11 | 15.283 | 11 | 0.3 | 0.0 |
| START_UP | 01/30/2022 | 19:52 | ~ | 01/30/2022 | 20:16 | 25 | 7821 | 25 | 546.4 | 25 | 20.322 | 25 | 99.256 | 25 | 1.7 | 0.3 |
| SHUT_DOWN | 01/30/2022 | 20:59 | ~ | 01/30/2022 | 21:09 | 11 | 1410.3 | 11 | 2.9 | 11 | 0.723 | 11 | 17.323 | 11 | 0.3 | 0.0 |
| START_UP | 01/31/2022 | 05:53 | ~ | 01/31/2022 | 06:17 | 25 | 8037 | 25 | 570.2 | 25 | 54.011 | 25 | 361.202 | 25 | 6.0 | 0.9 |
| SHUT_DOWN | 01/31/2022 | 09:14 | ~ | 01/31/2022 | 09:24 | 11 | 1392.1 | 11 | 1.7 | 11 | 0.762 | 11 | 19.341 | 11 | 0.3 | 0.0 |
| START_UP | 01/31/2022 | 13:52 | ~ | 01/31/2022 | 14:16 | 25 | 12464.8 | 25 | 1206.3 | 25 | 77.694 | 25 | 280.275 | 25 | 4.7 | 1.3 |
| SHUT_DOWN | 01/31/2022 | 19:07 | ~ | 01/31/2022 | 19:17 | 11 | 1445.6 | 11 | 5.9 | 11 | 0.73 | 11 | 16.045 | 11 | 0.3 | 0.0 |
| START_UP | 02/01/2022 | 07:02 | ~ | 02/01/2022 | 07:26 | 25 | 10551.1 | 25 | 938.5 | 25 | 173.15 | 25 | 408.049 | 25 | 6.8 | 2.9 |
| START_UP | 02/02/2022 | 05:52 | ~ | 02/02/2022 | 06:16 | 25 | 8062.4 | 25 | 576.9 | 25 | 127.23 | 25 | 311.837 | 25 | 5.2 | 2.1 |
| SHUT_DOWN | 02/02/2022 | 08:59 | ~ | 02/02/2022 | 09:09 | 11 | 1428.6 | 11 | 4.3 | 11 | 0.295 | 11 | 23.429 | 11 | 0.4 | 0.0 |
| START_UP | 02/02/2022 | 15:51 | ~ | 02/02/2022 | 16:15 | 25 | 8638.399 | 25 | 647.8 | 25 | 43.372 | 25 | 334.21 | 25 | 5.6 | 0.7 |
| SHUT_DOWN | 02/02/2022 | 18:59 | ~ | 02/02/2022 | 19:09 | 11 | 1389.3 | 11 | 1 | 11 | 0.508 | 11 | 21.017 | 11 | 0.4 | 0.0 |
| START_UP | 02/02/2022 | 19:52 | ~ | 02/02/2022 | 20:16 | 25 | 8691.299 | 25 | 649.1 | 25 | 10.079 | 25 | 115.95 | 25 | 1.9 | 0.2 |
| SHUT_DOWN | 02/02/2022 | 20:59 | ~ | 02/02/2022 | 21:09 | 11 | 1384.5 | 11 | 0.7 | 11 | 0.357 | 11 | 24.789 | 11 | 0.4 | 0.0 |
| START_UP | 02/03/2022 | 05:52 | ~ | 02/03/2022 | 06:16 | 25 | 9308.9 | 25 | 737.6 | 25 | 121.365 | 25 | 374.688 | 25 | 6.2 | 2.0 |
| SHUT_DOWN | 02/03/2022 | 07:07 | ~ | 02/03/2022 | 07:17 | 11 | 1468.4 | 11 | 7.1 | 11 | 0.525 | 11 | 19.204 | 11 | 0.3 | 0.0 |
| START_UP | 02/03/2022 | 15:53 | ~ | 02/03/2022 | 16:17 | 25 | 8329.2 | 25 | 601.7 | 25 | 156.877 | 25 | 310.217 | 25 | 5.2 | 2.6 |
| SHUT_DOWN | 02/03/2022 | 23:29 | ~ | 02/03/2022 | 23:39 | 11 | 1409.1 | 11 | 2.2 | 11 | 0.402 | 11 | 21.685 | 11 | 0.4 | 0.0 |
| START_UP | 02/04/2022 | 05:52 | ~ | 02/04/2022 | 06:16 | 25 | 11782.2 | 25 | 1090.7 | 25 | 147.933 | 25 | 333.215 | 25 | 5.6 | 2.5 |
| SHUT_DOWN | 02/04/2022 | 09:14 | ~ | 02/04/2022 | 09:24 | 11 | 1411.3 | 11 | 2.2 | 11 | 0.419 | 11 | 21.094 | 11 | 0.4 | 0.0 |
| START_UP | 02/04/2022 | 15:52 | ~ | 02/04/2022 | 16:16 | 25 | 8564.199 | 25 | 637.8 | 25 | 131.352 | 25 | 294.039 | 25 | 4.9 | 2.2 |
| SHUT_DOWN | 02/04/2022 | 22:59 | ~ | 02/04/2022 | 23:09 | 11 | 1434.4 | 11 | 3 | 11 | 0.426 | 11 | 25.69 | 11 | 0.4 | 0.0 |
| START_UP | 02/05/2022 | 15:53 | ~ | 02/05/2022 | 16:17 | 25 | 8443.5 | 25 | 599.7 | 25 | 51.057 | 25 | 293.318 | 25 | 4.9 | 0.9 |
| SHUT_DOWN | 02/05/2022 | 16:59 | ~ | 02/05/2022 | 17:09 | 11 | 1432.1 | 11 | 3.5 | 11 | 0.786 | 11 | 15.959 | 11 | 0.3 | 0.0 |
| START_UP | 02/05/2022 | 17:53 | ~ | 02/05/2022 | 18:17 | 25 | 8346.999 | 25 | 590.7 | 25 | 25.593 | 16 | 90.3 | 16 | 1.5 | 0.4 |
| SHUT_DOWN | 02/05/2022 | 18:59 | ~ | 02/05/2022 | 19:09 | 11 | 1488.5 | 11 | 9.3 | 11 | 0.728 | 11 | 19.276 | 11 | 0.3 | 0.0 |
| START_UP | 02/05/2022 | 19:54 | ~ | 02/05/2022 | 20:18 | 25 | 8367.6 | 25 | 592.5 | 25 | 26.571 | 25 | 105.175 | 25 | 1.8 | 0.4 |
| SHUT_DOWN | 02/05/2022 | 21:00 | ~ | 02/05/2022 | 21:10 | 11 | 1485.1 | 11 | 8.6 | 11 | 0.472 | 11 | 22.705 | 11 | 0.4 | 0.0 |
| START_UP | 02/06/2022 | 15:52 | ~ | 02/06/2022 | 16:16 | 25 | 8173.301 | 25 | 576.1 | 25 | 155.982 | 25 | 303.787 | 25 | 5.1 | 2.6 |
| SHUT_DOWN | 02/06/2022 | 16:58 | ~ | 02/06/2022 | 17:09 | 12 | 1705.3 | 12 | 19.4 | 12 | 0.975 | 12 | 16.984 | 12 | 0.3 | 0.0 |
| START_UP | 02/06/2022 | 17:52 | ~ | 02/06/2022 | 18:16 | 25 | 8352.801 | 25 | 591.6 | 25 | 24.927 | 25 | 97.795 | 25 | 1.6 | 0.4 |
| SHUT_DOWN | 02/06/2022 | 18:59 | ~ | 02/06/2022 | 19:09 | 11 | 1406.5 | 11 | 1.1 | 11 | 0.8 | 11 | 17.292 | 11 | 0.3 | 0.0 |
| START_UP | 02/06/2022 | 19:52 | ~ | 02/06/2022 | 20:16 | 25 | 8318.499 | 25 | 586.8 | 25 | 22.912 | 25 | 103.857 | 25 | 1.7 | 0.4 |
| SHUT_DOWN | 02/06/2022 | 20:58 | ~ | 02/06/2022 | 21:09 | 12 | 1694.2 | 12 | 17.9 | 12 | 0.605 | 12 | 24.744 | 12 | 0.4 | 0.0 |
| START_UP | 02/07/2022 | 16:32 | ~ | 02/07/2022 | 16:56 | 25 | 10304.3 | 25 | 904.9 | 25 | 173.878 | 25 | 317.85 | 25 | 5.3 | 2.9 |
| SHUT_DOWN | 02/07/2022 | 22:59 | ~ | 02/07/2022 | 23:09 | 11 | 1439.9 | 11 | 6.4 | 11 | 0.634 | 11 | 25.548 | 11 | 0.4 | 0.0 |
| START_UP | 02/08/2022 | 09:39 | ~ | 02/08/2022 | 10:03 | 25 | 16755.3 | 25 | 1863 | 25 | 164.83 | 25 | 475.269 | 25 | 7.9 | 2.7 |
| SHUT_DOWN | 02/08/2022 | 12:09 | ~ | 02/08/2022 | 12:20 | 12 | 1669.2 | 12 | 17.9 | 12 | 1.104 | 12 | 19.57 | 12 | 0.3 | 0.0 |
| START_UP | 02/08/2022 | 16:27 | ~ | 02/08/2022 | 16:51 | 25 | 7697 | 25 | 527.1 | 25 | 56.888 | 25 | 218.727 | 25 | 3.6 | 0.9 |
| SHUT_DOWN | 02/08/2022 | 23:58 | ~ | 02/09/2022 | 00:09 | 12 | 1689.6 | 12 | 19.5 | 12 | 1.031 | 12 | 25.075 | 12 | 0.4 | 0.0 |
| START_UP | 02/09/2022 | 15:52 | ~ | 02/09/2022 | 16:16 | 25 | 7773.2 | 25 | 541.1 | 25 | 113.422 | 25 | 307.349 | 25 | 5.1 | 1.9 |
| SHUT_DOWN | 02/09/2022 | 23:29 | ~ | 02/09/2022 | 23:39 | 11 | 1370.6 | 11 | 0.6 | 11 | 0.911 | 11 | 19.754 | 11 | 0.3 | 0.0 |
| START_UP | 02/10/2022 | 17:49 | ~ | 02/10/2022 | 18:13 | 25 | 7730.9 | 25 | 531.3 | 25 | 69.78 | 25 | 281.079 | 25 | 4.7 | 1.2 |
| SHUT_DOWN | 02/10/2022 | 21:29 | ~ | 02/10/2022 | 21:39 | 11 | 1408.3 | 11 | 3 | 11 | 1.093 | 11 | 15.717 | 11 | 0.3 | 0.0 |
| START_UP | 02/11/2022 | 06:52 | ~ | 02/11/2022 | 07:16 | 25 | 15779.9 | 25 | 1708.3 | 25 | 144.992 | 19 | 406.32 | 19 | 6.8 | 2.4 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| SHUT_DOWN | 02/11/2022 | 22:58 | ~ | 02/11/2022 | 23:09 | 12 | 1645.2 | 12 | 16.6 | 12 | 0.598 | 12 | 19.4 | 12 | 0.3 | 0.0 |
| START_UP | 02/12/2022 | 15:38 | ~ | 02/12/2022 | 16:02 | 25 | 8003.799 | 25 | 561.8 | 25 | 63.293 | 25 | 281.31 | 25 | 4.7 | 1.1 |
| SHUT_DOWN | 02/12/2022 | 23:28 | ~ | 02/12/2022 | 23:39 | 12 | 1687.1 | 12 | 20.4 | 12 | 0.502 | 12 | 22.187 | 12 | 0.4 | 0.0 |
| START_UP | 02/13/2022 | 15:52 | ~ | 02/13/2022 | 16:16 | 25 | 7851.5 | 25 | 549.4 | 25 | 124.376 | 25 | 297.633 | 25 | 5.0 | 2.1 |
| SHUT_DOWN | 02/13/2022 | 23:32 | ~ | 02/13/2022 | 23:42 | 11 | 1452 | 11 | 6.7 | 11 | 0.534 | 11 | 22.51 | 11 | 0.4 | 0.0 |
| START_UP | 02/14/2022 | 16:32 | ~ | 02/14/2022 | 16:56 | 25 | 12233.4 | 25 | 1167.7 | 25 | 179.599 | 25 | 342.925 | 25 | 5.7 | 3.0 |
| SHUT_DOWN | 02/14/2022 | 21:59 | ~ | 02/14/2022 | 22:09 | 11 | 1387.8 | 11 | 1.2 | 11 | 0.661 | 11 | 14.459 | 11 | 0.2 | 0.0 |
| START_UP | 02/15/2022 | 15:52 | ~ | 02/15/2022 | 16:16 | 25 | 7830.7 | 25 | 547.2 | 25 | 137.9 | 25 | 300.471 | 25 | 5.0 | 2.3 |
| SHUT_DOWN | 02/15/2022 | 20:59 | ~ | 02/15/2022 | 21:09 | 11 | 1418.5 | 11 | 4.4 | 11 | 0.452 | 11 | 19.188 | 11 | 0.3 | 0.0 |
| START_UP | 02/16/2022 | 05:52 | ~ | 02/16/2022 | 06:16 | 25 | 8036.501 | 25 | 568.7 | 25 | 165.632 | 25 | 298.714 | 25 | 5.0 | 2.8 |
| SHUT_DOWN | 02/16/2022 | 07:28 | ~ | 02/16/2022 | 07:39 | 12 | 1675 | 12 | 18.5 | 12 | 0.489 | 12 | 21.844 | 12 | 0.4 | 0.0 |
| START_UP | 02/16/2022 | 15:52 | ~ | 02/16/2022 | 16:16 | 25 | 7925.501 | 25 | 551.4 | 25 | 111.889 | 25 | 276.318 | 25 | 4.6 | 1.9 |
| SHUT_DOWN | 02/16/2022 | 22:58 | ~ | 02/16/2022 | 23:09 | 12 | 1701.4 | 12 | 19.4 | 12 | 0.989 | 12 | 21.807 | 12 | 0.4 | 0.0 |
| START_UP | 02/17/2022 | 15:52 | ~ | 02/17/2022 | 16:16 | 25 | 7878.601 | 25 | 544.9 | 25 | 170.284 | 25 | 296.376 | 25 | 4.9 | 2.8 |
| SHUT_DOWN | 02/17/2022 | 22:58 | ~ | 02/17/2022 | 23:09 | 12 | 1687 | 12 | 17.8 | 12 | 1.018 | 12 | 24.768 | 12 | 0.4 | 0.0 |
| START_UP | 02/18/2022 | 05:53 | ~ | 02/18/2022 | 06:17 | 25 | 8120.101 | 25 | 568.4 | 25 | 192.254 | 25 | 300.393 | 25 | 5.0 | 3.2 |
| SHUT_DOWN | 02/18/2022 | 06:59 | ~ | 02/18/2022 | 07:09 | 11 | 1402 | 11 | 2 | 11 | 0.757 | 11 | 25.285 | 11 | 0.4 | 0.0 |
| START_UP | 02/18/2022 | 16:52 | ~ | 02/18/2022 | 17:16 | 25 | 7865.2 | 25 | 542.7 | 25 | 120.7 | 25 | 279.621 | 25 | 4.7 | 2.0 |
| SHUT_DOWN | 02/18/2022 | 21:13 | ~ | 02/18/2022 | 21:24 | 12 | 1648.1 | 12 | 14.7 | 12 | 1.478 | 12 | 19.27 | 12 | 0.3 | 0.0 |
| START_UP | 02/19/2022 | 16:47 | ~ | 02/19/2022 | 17:11 | 25 | 8006.3 | 25 | 559.3 | 25 | 193.91 | 25 | 291.38 | 25 | 4.9 | 3.2 |
| SHUT_DOWN | 02/19/2022 | 20:43 | ~ | 02/19/2022 | 20:54 | 12 | 1652.4 | 12 | 15.8 | 12 | 1.628 | 12 | 17.555 | 12 | 0.3 | 0.0 |
| START_UP | 02/20/2022 | 16:22 | ~ | 02/20/2022 | 16:46 | 25 | 8009.9 | 25 | 560.4 | 25 | 146.202 | 25 | 291.066 | 25 | 4.9 | 2.4 |
| SHUT_DOWN | 02/20/2022 | 17:28 | ~ | 02/20/2022 | 17:38 | 11 | 1517.5 | 11 | 13.4 | 11 | 1.566 | 11 | 15.466 | 11 | 0.3 | 0.0 |
| START_UP | 02/21/2022 | 16:47 | ~ | 02/21/2022 | 17:11 | 25 | 7967.5 | 25 | 560.6 | 25 | 150.543 | 25 | 313.611 | 25 | 5.2 | 2.5 |
| SHUT_DOWN | 02/21/2022 | 20:13 | ~ | 02/21/2022 | 20:24 | 12 | 1671.9 | 12 | 17.8 | 12 | 1.776 | 12 | 19.369 | 12 | 0.3 | 0.0 |
| START_UP | 02/22/2022 | 05:52 | ~ | 02/22/2022 | 06:16 | 25 | 8023.2 | 25 | 564.3 | 25 | 128.474 | 25 | 289.014 | 25 | 4.8 | 2.1 |
| SHUT_DOWN | 02/22/2022 | 07:29 | ~ | 02/22/2022 | 07:39 | 11 | 1403 | 11 | 2.1 | 11 | 1.499 | 11 | 19.542 | 11 | 0.3 | 0.0 |
| START_UP | 02/22/2022 | 15:07 | ~ | 02/22/2022 | 15:31 | 25 | 9494.2 | 25 | 762 | 25 | 138.426 | 25 | 288.58 | 25 | 4.8 | 2.3 |
| SHUT_DOWN | 02/22/2022 | 21:28 | ~ | 02/22/2022 | 21:39 | 12 | 1684.1 | 12 | 19.1 | 12 | 1.69 | 12 | 21.618 | 12 | 0.4 | 0.0 |
| START_UP | 02/23/2022 | 05:52 | ~ | 02/23/2022 | 06:16 | 25 | 13237.2 | 25 | 1314.5 | 25 | 121.819 | 25 | 336.121 | 25 | 5.6 | 2.0 |
| SHUT_DOWN | 02/23/2022 | 08:14 | ~ | 02/23/2022 | 08:24 | 11 | 1428.4 | 11 | 4.9 | 11 | 1.497 | 11 | 21.871 | 11 | 0.4 | 0.0 |
| START_UP | 02/23/2022 | 16:37 | ~ | 02/23/2022 | 17:01 | 25 | 17899.3 | 25 | 1981.7 | 25 | 89.28 | 25 | 444.594 | 25 | 7.4 | 1.5 |
| SHUT_DOWN | 02/23/2022 | 21:45 | ~ | 02/23/2022 | 21:55 | 11 | 1396.8 | 11 | 1.2 | 11 | 1.559 | 11 | 20.774 | 11 | 0.3 | 0.0 |
| START_UP | 02/24/2022 | 05:52 | ~ | 02/24/2022 | 06:16 | 25 | 14656.3 | 25 | 1518.7 | 25 | 156.426 | 25 | 398.362 | 25 | 6.6 | 2.6 |
| SHUT_DOWN | 02/24/2022 | 07:29 | ~ | 02/24/2022 | 07:39 | 11 | 1421.6 | 11 | 3.1 | 11 | 1.678 | 11 | 25.777 | 11 | 0.4 | 0.0 |
| START_UP | 02/24/2022 | 16:52 | ~ | 02/24/2022 | 17:16 | 25 | 13799 | 25 | 1390.5 | 25 | 179.362 | 25 | 360.002 | 25 | 6.0 | 3.0 |
| SHUT_DOWN | 02/24/2022 | 20:13 | ~ | 02/24/2022 | 20:24 | 12 | 1654.3 | 12 | 14.5 | 12 | 1.779 | 12 | 26.596 | 12 | 0.4 | 0.0 |
| START_UP | 02/25/2022 | 05:52 | ~ | 02/25/2022 | 06:16 | 25 | 7984.699 | 25 | 564.1 | 25 | 137.401 | 25 | 314.32 | 25 | 5.2 | 2.3 |
| SHUT_DOWN | 02/25/2022 | 06:58 | ~ | 02/25/2022 | 07:09 | 12 | 1675.7 | 12 | 18.1 | 12 | 1.871 | 12 | 27.492 | 12 | 0.5 | 0.0 |
| START_UP | 02/25/2022 | 16:43 | ~ | 02/25/2022 | 17:07 | 25 | 8408.099 | 25 | 609.7 | 25 | 188.625 | 25 | 312.529 | 25 | 5.2 | 3.1 |
| SHUT_DOWN | 02/25/2022 | 20:58 | ~ | 02/25/2022 | 21:08 | 11 | 1513.1 | 11 | 13.4 | 11 | 1.771 | 11 | 19.73 | 11 | 0.3 | 0.0 |
| START_UP | 02/26/2022 | 16:37 | ~ | 02/26/2022 | 17:01 | 25 | 8391.699 | 25 | 609 | 25 | 145.063 | 25 | 311.092 | 25 | 5.2 | 2.4 |
| SHUT_DOWN | 02/26/2022 | 20:43 | ~ | 02/26/2022 | 20:54 | 12 | 1695.7 | 12 | 19.9 | 12 | 1.96 | 12 | 22.841 | 12 | 0.4 | 0.0 |
| START_UP | 02/27/2022 | 16:37 | ~ | 02/27/2022 | 17:01 | 25 | 10453.9 | 25 | 894.8 | 25 | 129.505 | 25 | 322.042 | 25 | 5.4 | 2.2 |
| SHUT_DOWN | 02/27/2022 | 19:58 | ~ | 02/27/2022 | 20:08 | 11 | 1479.7 | 11 | 9.5 | 11 | 1.826 | 11 | 17.468 | 11 | 0.3 | 0.0 |
| START_UP | 02/28/2022 | 05:52 | ~ | 02/28/2022 | 06:16 | 25 | 8011.8 | 25 | 567.9 | 25 | 114.905 | 25 | 316.071 | 25 | 5.3 | 1.9 |
| SHUT_DOWN | 02/28/2022 | 06:58 | ~ | 02/28/2022 | 07:08 | 11 | 1512.2 | 11 | 14.3 | 11 | 1.931 | 11 | 22.918 | 11 | 0.4 | 0.0 |
| START_UP | 02/28/2022 | 16:37 | ~ | 02/28/2022 | 17:01 | 25 | 8031.201 | 25 | 568.7 | 25 | 93.272 | 25 | 284.08 | 25 | 4.7 | 1.6 |
| SHUT_DOWN | 02/28/2022 | 20:58 | ~ | 02/28/2022 | 21:09 | 12 | 1661.1 | 12 | 17.3 | 12 | 2.036 | 12 | 20.168 | 12 | 0.3 | 0.0 |
| START_UP | 03/01/2022 | 05:52 | ~ | 03/01/2022 | 06:16 | 25 | 8067.2 | 25 | 573.2 | 25 | 74.411 | 25 | 309.029 | 25 | 5.2 | 1.2 |
| START_UP | 03/04/2022 | 07:52 | ~ | 03/04/2022 | 08:16 | 25 | 13271.1 | 25 | 1316.8 | 25 | 178.609 | 25 | 341.089 | 25 | 5.7 | 3.0 |
| SHUT_DOWN | 03/04/2022 | 09:28 | ~ | 03/04/2022 | 09:39 | 12 | 1646.8 | 12 | 14.4 | 12 | 1.855 | 12 | 15.711 | 12 | 0.3 | 0.0 |
| START_UP | 03/07/2022 | 17:22 | ~ | 03/07/2022 | 17:46 | 25 | 8109 | 25 | 570.5 | 25 | 125.559 | 25 | 311.576 | 25 | 5.2 | 2.1 |
| SHUT_DOWN | 03/07/2022 | 19:29 | ~ | 03/07/2022 | 19:39 | 11 | 1421.9 | 11 | 2.1 | 11 | 1.933 | 11 | 14.925 | 11 | 0.2 | 0.0 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| START_UP | 03/14/2022 | 07:22 | ~ | 03/14/2022 | 07:46 | 25 | 10724.3 | 25 | 913.1 | 25 | 185.127 | 25 | 335.722 | 25 | 5.6 | 3.1 |
| SHUT_DOWN | 03/14/2022 | 09:43 | ~ | 03/14/2022 | 09:53 | 11 | 1511.7 | 11 | 9.2 | 11 | 2.523 | 11 | 15.714 | 11 | 0.3 | 0.0 |
| START_UP | 03/14/2022 | 15:08 | ~ | 03/14/2022 | 15:32 | 25 | 8840.8 | 25 | 651.9 | 25 | 78.964 | 25 | 257.819 | 25 | 4.3 | 1.3 |
| SHUT_DOWN | 03/14/2022 | 16:58 | ~ | 03/14/2022 | 17:08 | 11 | 1537 | 11 | 12 | 11 | 2.491 | 11 | 14.104 | 11 | 0.2 | 0.0 |
| START_UP | 03/14/2022 | 17:51 | ~ | 03/14/2022 | 18:15 | 25 | 9359.201 | 25 | 732.6 | 25 | 27.682 | 25 | 97.505 | 25 | 1.6 | 0.5 |
| SHUT_DOWN | 03/14/2022 | 19:13 | ~ | 03/14/2022 | 19:23 | 11 | 1521.5 | 11 | 10.1 | 11 | 2.442 | 11 | 13.755 | 11 | 0.2 | 0.0 |
| START_UP | 03/19/2022 | 07:30 | ~ | 03/19/2022 | 07:54 | 25 | 18520.8 | 25 | 2049.5 | 25 | 157.835 | 25 | 505.968 | 25 | 8.4 | 2.6 |
| SHUT_DOWN | 03/19/2022 | 20:14 | ~ | 03/19/2022 | 20:24 | 11 | 1471.3 | 11 | 7.5 | 11 | 2.586 | 11 | 11.101 | 11 | 0.2 | 0.0 |
| START_UP | 03/29/2022 | 14:37 | ~ | 03/29/2022 | 15:01 | 25 | 8297.6 | 25 | 579 | 25 | 103.367 | 25 | 288.894 | 25 | 4.8 | 1.7 |
| SHUT_DOWN | 03/29/2022 | 16:13 | ~ | 03/29/2022 | 16:23 | 11 | 1503.3 | 11 | 8.8 | 11 | 3.96 | 11 | 15.624 | 11 | 0.3 | 0.1 |
| START_UP | 03/29/2022 | 17:16 | ~ | 03/29/2022 | 17:40 | 25 | 8236.1 | 25 | 573.8 | 25 | 37.101 | 25 | 95.259 | 25 | 1.6 | 0.6 |
| SHUT_DOWN | 03/29/2022 | 19:29 | ~ | 03/29/2022 | 19:40 | 12 | 1713 | 12 | 17.6 | 12 | 3.495 | 12 | 12.784 | 12 | 0.2 | 0.1 |

Startup / ShutDown Report
 Generated: 4/1/2022 08:06
 StartUp/ShutDown Event Report NRG Carlsbad Unit 10
 Carlsbad Unit 10

Company: NRG Carlsbad
 Plant: 4600 Carlsbad Blvd
 City/St: Carlsbad, CA 92008

Period Start: 1/1/2022 00:00
 Period End: 3/31/2022 23:59
 Unit Name: Unit10

| Events | Time | Duration (min) | Total | | | Total | | | Total | | | NOx Lbs/Event | CO Lbs/Event |
|-----------|-------------------------------------|----------------|--------------------|------------|-----------------|------------|-----------------|------------|------------------|------------|-----|---------------|--------------|
| | | | 10_GasFlow (kscfh) | Valid Mins | 10Gross_MW (MW) | Valid Mins | 10COLBHR (LBHR) | Valid Mins | 10NOXLBHR (LBHR) | Valid Mins | | | |
| START_UP | 01/25/2022 09:53 ~ 01/25/2022 10:17 | 25 | 15535.1 | 25 | 1686.3 | 25 | 86.369 | 16 | 388.992 | 16 | 6.5 | 1.4 | |
| SHUT_DOWN | 01/25/2022 16:00 ~ 01/25/2022 16:10 | 11 | 1408.8 | 11 | 5.2 | 11 | 0.586 | 11 | 7.961 | 11 | 0.1 | 0.0 | |
| START_UP | 02/02/2022 16:37 ~ 02/02/2022 17:01 | 25 | 11471.9 | 25 | 1084.2 | 25 | 91.408 | 17 | 364.472 | 17 | 6.1 | 1.5 | |
| SHUT_DOWN | 02/02/2022 18:59 ~ 02/02/2022 19:09 | 11 | 1422.4 | 11 | 7.6 | 11 | 0.172 | 11 | 16.65 | 11 | 0.3 | 0.0 | |
| START_UP | 02/03/2022 06:22 ~ 02/03/2022 06:46 | 25 | 8167.401 | 25 | 618.4 | 25 | 99.181 | 25 | 344.383 | 25 | 5.7 | 1.7 | |
| SHUT_DOWN | 02/03/2022 07:29 ~ 02/03/2022 07:39 | 11 | 1377.6 | 11 | 2.1 | 11 | 0.297 | 11 | 15.173 | 11 | 0.3 | 0.0 | |
| START_UP | 02/07/2022 16:37 ~ 02/07/2022 17:01 | 25 | 7976.6 | 25 | 591.4 | 25 | 120.638 | 25 | 315.224 | 25 | 5.3 | 2.0 | |
| SHUT_DOWN | 02/07/2022 19:14 ~ 02/07/2022 19:24 | 11 | 1471.3 | 11 | 12.3 | 11 | 0.363 | 11 | 12.603 | 11 | 0.2 | 0.0 | |
| START_UP | 02/08/2022 16:37 ~ 02/08/2022 17:01 | 25 | 11117 | 25 | 1041.1 | 25 | 152.666 | 25 | 335.883 | 25 | 5.6 | 2.5 | |
| SHUT_DOWN | 02/08/2022 18:59 ~ 02/08/2022 19:09 | 11 | 1394.2 | 11 | 3.5 | 11 | 0.545 | 11 | 11.07 | 11 | 0.2 | 0.0 | |
| START_UP | 02/09/2022 16:37 ~ 02/09/2022 17:01 | 25 | 13610.7 | 25 | 1421.7 | 25 | 110.834 | 25 | 366.226 | 25 | 6.1 | 1.8 | |
| SHUT_DOWN | 02/09/2022 18:59 ~ 02/09/2022 19:09 | 11 | 1374.5 | 11 | 2.8 | 11 | 0.533 | 11 | 9.508 | 11 | 0.2 | 0.0 | |
| START_UP | 02/10/2022 16:37 ~ 02/10/2022 17:01 | 25 | 13410.9 | 25 | 1385.8 | 25 | 108.272 | 25 | 344.204 | 25 | 5.7 | 1.8 | |
| SHUT_DOWN | 02/10/2022 18:59 ~ 02/10/2022 19:09 | 11 | 1397.1 | 11 | 4.2 | 11 | 0.686 | 11 | 10.705 | 11 | 0.2 | 0.0 | |
| START_UP | 02/11/2022 16:37 ~ 02/11/2022 17:01 | 25 | 13607.6 | 25 | 1402.8 | 25 | 130.364 | 25 | 348.028 | 25 | 5.8 | 2.2 | |
| SHUT_DOWN | 02/11/2022 18:59 ~ 02/11/2022 19:09 | 11 | 1416.4 | 11 | 5.4 | 11 | 0.714 | 11 | 13.233 | 11 | 0.2 | 0.0 | |
| START_UP | 02/15/2022 16:37 ~ 02/15/2022 17:01 | 25 | 9587 | 25 | 804.8 | 25 | 139.805 | 25 | 341.091 | 25 | 5.7 | 2.3 | |
| SHUT_DOWN | 02/15/2022 19:14 ~ 02/15/2022 19:24 | 11 | 1429.9 | 11 | 7.2 | 11 | 1.095 | 11 | 11.473 | 11 | 0.2 | 0.0 | |
| START_UP | 02/17/2022 17:22 ~ 02/17/2022 17:46 | 25 | 8747.8 | 25 | 683.8 | 25 | 122.611 | 25 | 333.699 | 25 | 5.6 | 2.0 | |
| SHUT_DOWN | 02/17/2022 18:59 ~ 02/17/2022 19:09 | 11 | 1377.3 | 11 | 0.9 | 11 | 0.03 | 11 | 9.59 | 11 | 0.2 | 0.0 | |
| START_UP | 02/19/2022 16:37 ~ 02/19/2022 17:01 | 25 | 11334 | 25 | 1045.9 | 25 | 127.474 | 25 | 341.733 | 25 | 5.7 | 2.1 | |
| SHUT_DOWN | 02/19/2022 18:59 ~ 02/19/2022 19:09 | 11 | 1371.8 | 11 | 1 | 11 | 0.266 | 11 | 9.679 | 11 | 0.2 | 0.0 | |
| START_UP | 02/20/2022 16:22 ~ 02/20/2022 16:46 | 25 | 8798.5 | 25 | 682.4 | 25 | 110.236 | 25 | 330.572 | 25 | 5.5 | 1.8 | |
| SHUT_DOWN | 02/20/2022 17:28 ~ 02/20/2022 17:39 | 12 | 1651.4 | 12 | 18.4 | 12 | 0.221 | 12 | 11.541 | 12 | 0.2 | 0.0 | |
| START_UP | 02/21/2022 20:52 ~ 02/21/2022 21:16 | 25 | 10666.5 | 25 | 957.7 | 25 | 107.271 | 25 | 354.498 | 25 | 5.9 | 1.8 | |
| SHUT_DOWN | 02/21/2022 21:58 ~ 02/21/2022 22:09 | 12 | 1638 | 12 | 17.4 | 12 | 0.113 | 12 | 12.557 | 12 | 0.2 | 0.0 | |
| START_UP | 02/22/2022 05:52 ~ 02/22/2022 06:16 | 25 | 8741.101 | 25 | 687.8 | 25 | 118.221 | 25 | 311.945 | 25 | 5.2 | 2.0 | |
| SHUT_DOWN | 02/22/2022 07:06 ~ 02/22/2022 07:16 | 11 | 1377.8 | 11 | 1 | 11 | 0.239 | 11 | 10.504 | 11 | 0.2 | 0.0 | |
| START_UP | 02/22/2022 16:52 ~ 02/22/2022 17:16 | 25 | 8683.7 | 25 | 678.3 | 25 | 125.164 | 25 | 324.265 | 25 | 5.4 | 2.1 | |
| SHUT_DOWN | 02/22/2022 20:44 ~ 02/22/2022 20:54 | 11 | 1378.6 | 11 | 1.1 | 11 | 0.079 | 11 | 9.579 | 11 | 0.2 | 0.0 | |
| START_UP | 02/23/2022 05:52 ~ 02/23/2022 06:16 | 25 | 15599.7 | 25 | 1676.7 | 25 | 115.498 | 25 | 369.778 | 25 | 6.2 | 1.9 | |
| SHUT_DOWN | 02/23/2022 07:45 ~ 02/23/2022 07:55 | 11 | 1359.4 | 11 | 0 | 11 | 0.064 | 11 | 11.4 | 11 | 0.2 | 0.0 | |
| START_UP | 02/23/2022 16:38 ~ 02/23/2022 17:02 | 25 | 16309.3 | 25 | 1762.1 | 25 | 210.604 | 25 | 379.661 | 25 | 6.3 | 3.5 | |
| SHUT_DOWN | 02/23/2022 20:14 ~ 02/23/2022 20:24 | 11 | 1484.2 | 11 | 12.2 | 11 | 0.232 | 11 | 12.962 | 11 | 0.2 | 0.0 | |
| START_UP | 02/24/2022 05:52 ~ 02/24/2022 06:16 | 25 | 14907.3 | 25 | 1584.4 | 25 | 168.151 | 25 | 336.959 | 25 | 5.6 | 2.8 | |
| SHUT_DOWN | 02/24/2022 07:14 ~ 02/24/2022 07:24 | 11 | 1391.9 | 11 | 2.3 | 11 | 0.054 | 11 | 13.343 | 11 | 0.2 | 0.0 | |
| START_UP | 02/25/2022 16:37 ~ 02/25/2022 17:01 | 25 | 9195.301 | 25 | 743.8 | 25 | 99.074 | 25 | 339.724 | 25 | 5.7 | 1.7 | |
| SHUT_DOWN | 02/25/2022 17:58 ~ 02/25/2022 18:09 | 12 | 1624.8 | 12 | 14.6 | 12 | 0.198 | 12 | 10.754 | 12 | 0.2 | 0.0 | |
| START_UP | 02/26/2022 17:22 ~ 02/26/2022 17:46 | 25 | 8324.8 | 25 | 621 | 25 | 84.746 | 25 | 324.768 | 25 | 5.4 | 1.4 | |
| SHUT_DOWN | 02/26/2022 19:44 ~ 02/26/2022 19:54 | 11 | 1387.7 | 11 | 1.7 | 11 | 0.38 | 11 | 11.205 | 11 | 0.2 | 0.0 | |
| START_UP | 02/27/2022 17:52 ~ 02/27/2022 18:16 | 25 | 8327.899 | 25 | 620.6 | 25 | 88.607 | 25 | 310.787 | 25 | 5.2 | 1.5 | |
| SHUT_DOWN | 02/27/2022 18:58 ~ 02/27/2022 19:08 | 11 | 1503.2 | 11 | 14.4 | 11 | 0.452 | 11 | 10.643 | 11 | 0.2 | 0.0 | |
| START_UP | 02/28/2022 16:37 ~ 02/28/2022 17:01 | 25 | 8701 | 25 | 676.9 | 25 | 94.46 | 25 | 316.754 | 25 | 5.3 | 1.6 | |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| SHUT_DOWN | 02/28/2022 | 19:44 | ~ | 02/28/2022 | 19:54 | 11 | 1370 | 11 | 1.2 | 11 | 0.29 | 11 | 13.243 | 11 | 0.2 | 0.0 |
| START_UP | 03/02/2022 | 16:52 | ~ | 03/02/2022 | 17:16 | 25 | 7912.8 | 25 | 578.3 | 25 | 89.056 | 25 | 280.373 | 25 | 4.7 | 1.5 |
| SHUT_DOWN | 03/02/2022 | 19:58 | ~ | 03/02/2022 | 20:09 | 12 | 1636.6 | 12 | 18.6 | 12 | 0.8 | 12 | 11.723 | 12 | 0.2 | 0.0 |
| START_UP | 03/03/2022 | 16:52 | ~ | 03/03/2022 | 17:16 | 25 | 8022.9 | 25 | 588.9 | 25 | 77.738 | 25 | 310.098 | 25 | 5.2 | 1.3 |
| SHUT_DOWN | 03/03/2022 | 18:58 | ~ | 03/03/2022 | 19:08 | 11 | 1476.9 | 11 | 13.5 | 11 | 0.862 | 11 | 8.458 | 11 | 0.1 | 0.0 |
| START_UP | 03/04/2022 | 08:22 | ~ | 03/04/2022 | 08:46 | 25 | 14781.4 | 25 | 1575.6 | 25 | 132.901 | 25 | 358.815 | 25 | 6.0 | 2.2 |
| SHUT_DOWN | 03/04/2022 | 09:44 | ~ | 03/04/2022 | 09:55 | 12 | 1634.9 | 12 | 17.7 | 12 | 1.202 | 12 | 9.279 | 12 | 0.2 | 0.0 |
| START_UP | 03/04/2022 | 11:53 | ~ | 03/04/2022 | 12:17 | 25 | 13985.7 | 25 | 1452.3 | 25 | 133.788 | 25 | 156.322 | 25 | 2.6 | 2.2 |
| SHUT_DOWN | 03/04/2022 | 15:59 | ~ | 03/04/2022 | 16:09 | 11 | 1402.4 | 11 | 4.8 | 11 | 0.488 | 11 | 8.95 | 11 | 0.1 | 0.0 |
| START_UP | 03/05/2022 | 16:37 | ~ | 03/05/2022 | 17:01 | 25 | 10026.5 | 25 | 854.6 | 25 | 84.242 | 25 | 342.1 | 25 | 5.7 | 1.4 |
| SHUT_DOWN | 03/05/2022 | 18:30 | ~ | 03/05/2022 | 18:40 | 11 | 1489 | 11 | 13 | 11 | 0.647 | 11 | 11.346 | 11 | 0.2 | 0.0 |
| START_UP | 03/06/2022 | 17:37 | ~ | 03/06/2022 | 18:01 | 25 | 13412.9 | 25 | 1343.7 | 25 | 105.346 | 25 | 341.985 | 25 | 5.7 | 1.8 |
| SHUT_DOWN | 03/06/2022 | 18:44 | ~ | 03/06/2022 | 18:54 | 11 | 1452.7 | 11 | 9.3 | 11 | 1.446 | 11 | 9.763 | 11 | 0.2 | 0.0 |
| START_UP | 03/07/2022 | 16:37 | ~ | 03/07/2022 | 17:01 | 25 | 8129.2 | 25 | 590.5 | 25 | 76.044 | 25 | 306.813 | 25 | 5.1 | 1.3 |
| SHUT_DOWN | 03/07/2022 | 19:44 | ~ | 03/07/2022 | 19:54 | 11 | 1397.1 | 11 | 3.2 | 11 | 0.688 | 11 | 10.463 | 11 | 0.2 | 0.0 |
| START_UP | 03/07/2022 | 20:52 | ~ | 03/07/2022 | 21:16 | 25 | 10812.7 | 25 | 973.2 | 25 | 20.006 | 25 | 109.415 | 25 | 1.8 | 0.3 |
| SHUT_DOWN | 03/07/2022 | 22:14 | ~ | 03/07/2022 | 22:24 | 11 | 1398.1 | 11 | 3.2 | 11 | 0.579 | 11 | 12.485 | 11 | 0.2 | 0.0 |
| START_UP | 03/08/2022 | 05:52 | ~ | 03/08/2022 | 06:16 | 25 | 7937.1 | 25 | 569.9 | 25 | 99.622 | 25 | 288.698 | 25 | 4.8 | 1.7 |
| SHUT_DOWN | 03/08/2022 | 06:58 | ~ | 03/08/2022 | 07:09 | 12 | 1640.5 | 12 | 15.8 | 12 | 0.526 | 12 | 13.314 | 12 | 0.2 | 0.0 |
| START_UP | 03/08/2022 | 17:22 | ~ | 03/08/2022 | 17:46 | 25 | 8034.5 | 25 | 578.5 | 25 | 79.641 | 25 | 287.769 | 25 | 4.8 | 1.3 |
| SHUT_DOWN | 03/08/2022 | 20:58 | ~ | 03/08/2022 | 21:08 | 11 | 1500.4 | 11 | 14.6 | 11 | 0.603 | 11 | 11.537 | 11 | 0.2 | 0.0 |
| START_UP | 03/09/2022 | 06:22 | ~ | 03/09/2022 | 06:46 | 25 | 7960.1 | 25 | 573.3 | 25 | 81.886 | 25 | 302.36 | 25 | 5.0 | 1.4 |
| SHUT_DOWN | 03/09/2022 | 07:28 | ~ | 03/09/2022 | 07:39 | 12 | 1634 | 12 | 15.9 | 12 | 0.538 | 12 | 13.323 | 12 | 0.2 | 0.0 |
| START_UP | 03/09/2022 | 16:38 | ~ | 03/09/2022 | 17:02 | 25 | 8072 | 25 | 580.2 | 25 | 48.907 | 25 | 285.426 | 25 | 4.8 | 0.8 |
| SHUT_DOWN | 03/09/2022 | 19:28 | ~ | 03/09/2022 | 19:38 | 11 | 1467.3 | 11 | 10.9 | 11 | 0.635 | 11 | 8.404 | 11 | 0.1 | 0.0 |
| START_UP | 03/10/2022 | 05:52 | ~ | 03/10/2022 | 06:16 | 25 | 12940.1 | 25 | 1289.5 | 25 | 83.658 | 25 | 306.267 | 25 | 5.1 | 1.4 |
| SHUT_DOWN | 03/10/2022 | 06:58 | ~ | 03/10/2022 | 07:08 | 11 | 1472.8 | 11 | 11.7 | 11 | 0.885 | 11 | 10.472 | 11 | 0.2 | 0.0 |
| START_UP | 03/10/2022 | 16:37 | ~ | 03/10/2022 | 17:01 | 25 | 7999 | 25 | 580 | 25 | 75.686 | 25 | 284.58 | 25 | 4.7 | 1.3 |
| SHUT_DOWN | 03/10/2022 | 19:43 | ~ | 03/10/2022 | 19:53 | 11 | 1503.5 | 11 | 14.8 | 11 | 0.902 | 11 | 9.454 | 11 | 0.2 | 0.0 |
| START_UP | 03/11/2022 | 17:22 | ~ | 03/11/2022 | 17:46 | 25 | 8958.8 | 25 | 694.9 | 25 | 77.097 | 25 | 305.264 | 25 | 5.1 | 1.3 |
| SHUT_DOWN | 03/11/2022 | 18:59 | ~ | 03/11/2022 | 19:09 | 11 | 1440.7 | 11 | 6.1 | 11 | 1.586 | 11 | 8.295 | 11 | 0.1 | 0.0 |
| START_UP | 03/12/2022 | 17:37 | ~ | 03/12/2022 | 18:01 | 25 | 8182.5 | 25 | 589.5 | 25 | 73.625 | 25 | 296.878 | 25 | 4.9 | 1.2 |
| SHUT_DOWN | 03/12/2022 | 18:43 | ~ | 03/12/2022 | 18:53 | 11 | 1486.7 | 11 | 12 | 11 | 1.557 | 11 | 9.405 | 11 | 0.2 | 0.0 |
| START_UP | 03/14/2022 | 05:22 | ~ | 03/14/2022 | 05:46 | 25 | 8055.8 | 25 | 575.1 | 25 | 88.7 | 25 | 324.679 | 25 | 5.4 | 1.5 |
| SHUT_DOWN | 03/14/2022 | 06:28 | ~ | 03/14/2022 | 06:38 | 11 | 1477.7 | 11 | 9.9 | 11 | 1.154 | 11 | 10.372 | 11 | 0.2 | 0.0 |
| START_UP | 03/14/2022 | 07:21 | ~ | 03/14/2022 | 07:45 | 25 | 14072.2 | 25 | 1439.5 | 25 | 43.26 | 24 | 138.601 | 24 | 2.3 | 0.7 |
| SHUT_DOWN | 03/14/2022 | 09:59 | ~ | 03/14/2022 | 10:09 | 11 | 1382 | 11 | 0.7 | 11 | 0.876 | 11 | 9.223 | 11 | 0.2 | 0.0 |
| START_UP | 03/14/2022 | 16:37 | ~ | 03/14/2022 | 17:01 | 25 | 8998.701 | 25 | 704.5 | 25 | 68.275 | 25 | 274.681 | 25 | 4.6 | 1.1 |
| SHUT_DOWN | 03/14/2022 | 19:28 | ~ | 03/14/2022 | 19:38 | 11 | 1491.9 | 11 | 11.7 | 11 | 0.939 | 11 | 9.059 | 11 | 0.2 | 0.0 |
| START_UP | 03/16/2022 | 05:22 | ~ | 03/16/2022 | 05:46 | 25 | 13491.8 | 25 | 1341.1 | 25 | 141.618 | 25 | 327.347 | 25 | 5.5 | 2.4 |
| SHUT_DOWN | 03/16/2022 | 06:28 | ~ | 03/16/2022 | 06:38 | 11 | 1486.7 | 11 | 11.1 | 11 | 1.472 | 11 | 8.128 | 11 | 0.1 | 0.0 |
| START_UP | 03/16/2022 | 07:36 | ~ | 03/16/2022 | 08:00 | 25 | 9101.701 | 25 | 710.6 | 25 | 29.991 | 25 | 98.07 | 25 | 1.6 | 0.5 |
| SHUT_DOWN | 03/16/2022 | 08:43 | ~ | 03/16/2022 | 08:53 | 11 | 1509.9 | 11 | 13.6 | 11 | 1.539 | 11 | 9.698 | 11 | 0.2 | 0.0 |
| START_UP | 03/17/2022 | 05:07 | ~ | 03/17/2022 | 05:31 | 25 | 8171.1 | 25 | 578 | 25 | 64.267 | 25 | 315.027 | 25 | 5.3 | 1.1 |
| SHUT_DOWN | 03/17/2022 | 11:13 | ~ | 03/17/2022 | 11:23 | 11 | 1466.6 | 11 | 9.4 | 11 | 1.802 | 11 | 7.289 | 11 | 0.1 | 0.0 |
| START_UP | 03/17/2022 | 12:21 | ~ | 03/17/2022 | 12:45 | 25 | 14457 | 25 | 1502.5 | 25 | 84.234 | 25 | 101.948 | 25 | 1.7 | 1.4 |
| SHUT_DOWN | 03/17/2022 | 16:13 | ~ | 03/17/2022 | 16:23 | 11 | 1473.9 | 11 | 11.1 | 11 | 1.771 | 11 | 6.523 | 11 | 0.1 | 0.0 |
| START_UP | 03/17/2022 | 17:22 | ~ | 03/17/2022 | 17:46 | 25 | 11880.9 | 25 | 1141.1 | 25 | 65.972 | 25 | 107.076 | 25 | 1.8 | 1.1 |
| SHUT_DOWN | 03/17/2022 | 20:43 | ~ | 03/17/2022 | 20:54 | 12 | 1664.3 | 12 | 19.2 | 12 | 1.051 | 12 | 11.459 | 12 | 0.2 | 0.0 |
| START_UP | 03/18/2022 | 06:52 | ~ | 03/18/2022 | 07:16 | 25 | 8115.2 | 25 | 584.7 | 25 | 69.696 | 20 | 282.721 | 20 | 4.7 | 1.2 |
| SHUT_DOWN | 03/18/2022 | 10:43 | ~ | 03/18/2022 | 10:54 | 12 | 1675.8 | 12 | 20.3 | 12 | 1.676 | 12 | 9.869 | 12 | 0.2 | 0.0 |
| START_UP | 03/18/2022 | 13:36 | ~ | 03/18/2022 | 14:00 | 25 | 10065.6 | 25 | 857.9 | 25 | 91.973 | 25 | 191.191 | 25 | 3.2 | 1.5 |
| SHUT_DOWN | 03/18/2022 | 14:43 | ~ | 03/18/2022 | 14:54 | 12 | 1671.2 | 12 | 19.5 | 12 | 1.914 | 12 | 6.878 | 12 | 0.1 | 0.0 |
| START_UP | 03/18/2022 | 16:36 | ~ | 03/18/2022 | 17:00 | 25 | 13674.2 | 25 | 1396.6 | 25 | 105.168 | 25 | 149.761 | 25 | 2.5 | 1.8 |
| SHUT_DOWN | 03/18/2022 | 19:58 | ~ | 03/18/2022 | 20:08 | 11 | 1433.1 | 11 | 7.4 | 11 | 1.082 | 11 | 7.921 | 11 | 0.1 | 0.0 |
| START_UP | 03/19/2022 | 06:52 | ~ | 03/19/2022 | 07:16 | 25 | 15365 | 25 | 1632 | 25 | 125.171 | 25 | 318.765 | 25 | 5.3 | 2.1 |

| | | | | | | | | | | | | | | | | |
|-----------|------------|-------|---|------------|-------|----|----------|----|--------|----|---------|----|---------|----|-----|-----|
| SHUT_DOWN | 03/19/2022 | 22:29 | ~ | 03/19/2022 | 22:39 | 11 | 1395.6 | 11 | 3.6 | 11 | 1.255 | 11 | 8.433 | 11 | 0.1 | 0.0 |
| START_UP | 03/20/2022 | 06:52 | ~ | 03/20/2022 | 07:16 | 25 | 13298.3 | 25 | 1332.4 | 25 | 120.895 | 25 | 299.162 | 25 | 5.0 | 2.0 |
| SHUT_DOWN | 03/20/2022 | 07:58 | ~ | 03/20/2022 | 08:08 | 11 | 1467.8 | 11 | 11.5 | 11 | 1.982 | 11 | 10.321 | 11 | 0.2 | 0.0 |
| START_UP | 03/20/2022 | 17:52 | ~ | 03/20/2022 | 18:16 | 25 | 8058.299 | 25 | 580.8 | 25 | 66.608 | 25 | 280.287 | 25 | 4.7 | 1.1 |
| SHUT_DOWN | 03/20/2022 | 20:13 | ~ | 03/20/2022 | 20:24 | 12 | 1651.7 | 12 | 17.5 | 12 | 1.202 | 12 | 10.765 | 12 | 0.2 | 0.0 |
| START_UP | 03/21/2022 | 17:37 | ~ | 03/21/2022 | 18:01 | 25 | 8666.501 | 25 | 654.6 | 25 | 178.486 | 25 | 302.047 | 25 | 5.0 | 3.0 |
| SHUT_DOWN | 03/21/2022 | 19:59 | ~ | 03/21/2022 | 20:09 | 11 | 1406.4 | 11 | 4.1 | 11 | 1.914 | 11 | 7.213 | 11 | 0.1 | 0.0 |
| START_UP | 03/22/2022 | 05:52 | ~ | 03/22/2022 | 05:46 | 25 | 14570.6 | 25 | 1517.8 | 25 | 134.582 | 25 | 329.313 | 25 | 5.5 | 2.2 |
| SHUT_DOWN | 03/22/2022 | 07:28 | ~ | 03/22/2022 | 07:39 | 12 | 1678 | 12 | 19.6 | 12 | 1.69 | 12 | 8.494 | 12 | 0.1 | 0.0 |
| START_UP | 03/22/2022 | 08:22 | ~ | 03/22/2022 | 08:46 | 25 | 14536.8 | 25 | 1508.7 | 25 | 85.908 | 25 | 125.462 | 25 | 2.1 | 1.4 |
| SHUT_DOWN | 03/22/2022 | 09:43 | ~ | 03/22/2022 | 09:54 | 12 | 1677.4 | 12 | 19.3 | 12 | 1.364 | 12 | 11.168 | 12 | 0.2 | 0.0 |
| START_UP | 03/22/2022 | 13:51 | ~ | 03/22/2022 | 14:15 | 25 | 13821.7 | 25 | 1414.2 | 25 | 139.279 | 25 | 250.601 | 25 | 4.2 | 2.3 |
| SHUT_DOWN | 03/22/2022 | 19:58 | ~ | 03/22/2022 | 20:08 | 11 | 1426.7 | 11 | 5.6 | 11 | 1.158 | 11 | 8.773 | 11 | 0.1 | 0.0 |
| START_UP | 03/23/2022 | 06:07 | ~ | 03/23/2022 | 06:31 | 25 | 12455.9 | 25 | 1197.4 | 25 | 90.235 | 25 | 336.476 | 25 | 5.6 | 1.5 |
| SHUT_DOWN | 03/23/2022 | 07:14 | ~ | 03/23/2022 | 07:24 | 11 | 1436.5 | 11 | 6.2 | 11 | 1.16 | 11 | 10.363 | 11 | 0.2 | 0.0 |
| START_UP | 03/23/2022 | 08:22 | ~ | 03/23/2022 | 08:46 | 25 | 14600.5 | 25 | 1512.5 | 25 | 104.839 | 25 | 136.176 | 25 | 2.3 | 1.7 |
| SHUT_DOWN | 03/23/2022 | 20:13 | ~ | 03/23/2022 | 20:23 | 11 | 1458.8 | 11 | 8.7 | 11 | 1.173 | 11 | 8.589 | 11 | 0.1 | 0.0 |
| START_UP | 03/24/2022 | 05:22 | ~ | 03/24/2022 | 05:46 | 25 | 14620.8 | 25 | 1517.1 | 25 | 163.408 | 25 | 321.334 | 25 | 5.4 | 2.7 |
| SHUT_DOWN | 03/24/2022 | 08:44 | ~ | 03/24/2022 | 08:54 | 11 | 1404 | 11 | 3.4 | 11 | 1.17 | 11 | 8.118 | 11 | 0.1 | 0.0 |
| START_UP | 03/24/2022 | 13:51 | ~ | 03/24/2022 | 14:15 | 25 | 13442.7 | 25 | 1358.5 | 25 | 126.035 | 25 | 254.154 | 25 | 4.2 | 2.1 |
| SHUT_DOWN | 03/24/2022 | 15:59 | ~ | 03/24/2022 | 16:09 | 11 | 1436.3 | 11 | 6.5 | 11 | 2.455 | 11 | 5.813 | 11 | 0.1 | 0.0 |
| START_UP | 03/24/2022 | 16:51 | ~ | 03/24/2022 | 17:15 | 25 | 13844.1 | 25 | 1411.5 | 25 | 73.228 | 25 | 115.775 | 25 | 1.9 | 1.2 |
| SHUT_DOWN | 03/24/2022 | 19:14 | ~ | 03/24/2022 | 19:24 | 11 | 1379.5 | 11 | 0.8 | 11 | 1.472 | 11 | 6.213 | 11 | 0.1 | 0.0 |
| START_UP | 03/25/2022 | 16:52 | ~ | 03/25/2022 | 17:16 | 25 | 12528.7 | 25 | 1220.4 | 25 | 187.343 | 25 | 315.332 | 25 | 5.3 | 3.1 |
| SHUT_DOWN | 03/25/2022 | 19:59 | ~ | 03/25/2022 | 20:09 | 11 | 1441.6 | 11 | 7.2 | 11 | 2.1 | 11 | 7.195 | 11 | 0.1 | 0.0 |
| START_UP | 03/26/2022 | 05:52 | ~ | 03/26/2022 | 06:16 | 25 | 8083.901 | 25 | 577.3 | 25 | 78.589 | 25 | 285.465 | 25 | 4.8 | 1.3 |
| SHUT_DOWN | 03/26/2022 | 06:58 | ~ | 03/26/2022 | 07:08 | 11 | 1472.8 | 11 | 10.1 | 11 | 2.329 | 11 | 8.072 | 11 | 0.1 | 0.0 |
| START_UP | 03/26/2022 | 16:38 | ~ | 03/26/2022 | 17:02 | 25 | 8385.801 | 25 | 614.4 | 25 | 82.253 | 25 | 293.631 | 25 | 4.9 | 1.4 |
| SHUT_DOWN | 03/26/2022 | 20:13 | ~ | 03/26/2022 | 20:23 | 11 | 1415.1 | 11 | 4.2 | 11 | 2.134 | 11 | 9.161 | 11 | 0.2 | 0.0 |
| START_UP | 03/27/2022 | 17:22 | ~ | 03/27/2022 | 17:46 | 25 | 14650 | 25 | 1519.9 | 25 | 101.13 | 25 | 372.248 | 25 | 6.2 | 1.7 |
| SHUT_DOWN | 03/27/2022 | 19:58 | ~ | 03/27/2022 | 20:08 | 11 | 1461 | 11 | 9.2 | 11 | 1.407 | 11 | 10.251 | 11 | 0.2 | 0.0 |
| START_UP | 03/28/2022 | 07:52 | ~ | 03/28/2022 | 08:16 | 25 | 8702.801 | 25 | 653.4 | 25 | 150.231 | 25 | 290.377 | 25 | 4.8 | 2.5 |
| SHUT_DOWN | 03/28/2022 | 08:59 | ~ | 03/28/2022 | 09:09 | 11 | 1433.6 | 11 | 6.4 | 11 | 1.451 | 11 | 7.471 | 11 | 0.1 | 0.0 |
| START_UP | 03/28/2022 | 09:51 | ~ | 03/28/2022 | 10:15 | 25 | 13227.8 | 25 | 1319.1 | 25 | 54.193 | 25 | 120.518 | 25 | 2.0 | 0.9 |
| SHUT_DOWN | 03/28/2022 | 17:59 | ~ | 03/28/2022 | 18:09 | 11 | 1378 | 11 | 1.7 | 11 | 1.655 | 11 | 6.474 | 11 | 0.1 | 0.0 |
| START_UP | 03/29/2022 | 05:22 | ~ | 03/29/2022 | 05:46 | 25 | 8118.8 | 25 | 579.9 | 25 | 68.446 | 25 | 281.85 | 25 | 4.7 | 1.1 |
| SHUT_DOWN | 03/29/2022 | 06:28 | ~ | 03/29/2022 | 06:38 | 11 | 1441.4 | 11 | 6.8 | 11 | 1.569 | 11 | 10.033 | 11 | 0.2 | 0.0 |
| START_UP | 03/29/2022 | 15:07 | ~ | 03/29/2022 | 15:31 | 25 | 14958.6 | 25 | 1546.9 | 25 | 105.953 | 25 | 357.594 | 25 | 6.0 | 1.8 |
| SHUT_DOWN | 03/29/2022 | 16:59 | ~ | 03/29/2022 | 17:09 | 11 | 1421.3 | 11 | 4.6 | 11 | 1.291 | 11 | 8.248 | 11 | 0.1 | 0.0 |
| START_UP | 03/29/2022 | 17:51 | ~ | 03/29/2022 | 18:15 | 25 | 8423.602 | 25 | 619.7 | 25 | 11.719 | 25 | 103.726 | 25 | 1.7 | 0.2 |
| SHUT_DOWN | 03/29/2022 | 19:58 | ~ | 03/29/2022 | 20:08 | 11 | 1454.3 | 11 | 7.5 | 11 | 1.309 | 11 | 11.716 | 11 | 0.2 | 0.0 |
| START_UP | 03/30/2022 | 05:07 | ~ | 03/30/2022 | 05:31 | 25 | 8007 | 25 | 566.2 | 25 | 106.745 | 25 | 307.583 | 25 | 5.1 | 1.8 |
| SHUT_DOWN | 03/30/2022 | 06:13 | ~ | 03/30/2022 | 06:24 | 12 | 1655.4 | 12 | 16.3 | 12 | 2.149 | 12 | 10.42 | 12 | 0.2 | 0.0 |
| START_UP | 03/30/2022 | 07:06 | ~ | 03/30/2022 | 07:30 | 25 | 12688.3 | 25 | 1242.1 | 25 | 43.311 | 25 | 135.367 | 25 | 2.3 | 0.7 |
| SHUT_DOWN | 03/30/2022 | 08:28 | ~ | 03/30/2022 | 08:38 | 11 | 1478.8 | 11 | 10.7 | 11 | 1.555 | 11 | 9 | 11 | 0.2 | 0.0 |
| START_UP | 03/30/2022 | 17:37 | ~ | 03/30/2022 | 18:01 | 25 | 8214.6 | 25 | 589.7 | 25 | 68.97 | 25 | 305.055 | 25 | 5.1 | 1.1 |
| SHUT_DOWN | 03/30/2022 | 18:58 | ~ | 03/30/2022 | 19:08 | 11 | 1430.3 | 11 | 5.6 | 11 | 1.316 | 11 | 10.156 | 11 | 0.2 | 0.0 |
| START_UP | 03/31/2022 | 05:07 | ~ | 03/31/2022 | 05:31 | 25 | 8120 | 25 | 580.3 | 25 | 73.289 | 25 | 304.442 | 25 | 5.1 | 1.2 |
| SHUT_DOWN | 03/31/2022 | 06:13 | ~ | 03/31/2022 | 06:23 | 11 | 1432.4 | 11 | 6.2 | 11 | 1.828 | 11 | 9.227 | 11 | 0.2 | 0.0 |
| START_UP | 03/31/2022 | 16:37 | ~ | 03/31/2022 | 17:01 | 25 | 9184.8 | 25 | 727 | 25 | 128.134 | 25 | 326.724 | 25 | 5.4 | 2.1 |
| SHUT_DOWN | 03/31/2022 | 18:58 | ~ | 03/31/2022 | 19:08 | 11 | 1415.9 | 11 | 4.9 | 11 | 1.839 | 11 | 10.366 | 11 | 0.2 | 0.0 |
| START_UP | 04/01/2022 | 05:32 | ~ | 04/01/2022 | 05:56 | 25 | 11373.4 | 25 | 1059.2 | 25 | 186.953 | 25 | 338.683 | 25 | 5.6 | 3.1 |
| SHUT_DOWN | 04/01/2022 | 07:14 | ~ | 04/01/2022 | 07:24 | 11 | 1391.7 | 11 | 2.6 | 11 | 1.853 | 11 | 8.402 | 11 | 0.1 | 0.0 |

Attachment F 40 CFR Part 60, Subpart KKKK Report:

AQ-34: Rolling Four-Unit Operating Pound Per Mega Watt
Hour Summary

AQ-88: Part 60, KKKK Semiannual Report Summary

April 13, 2022

Subject: CARLSBAD ENERGY CENTER AQ-SC8 REPORT – KKKK COMPLIANCE STATEMENT

The attached report shows compliance with KKKK requirements through the first three months of first semi-annual period of 2022 as generated by the Data Acquisition Handling System. The semi-annual report included in the future second quarter 2022 report will confirm compliance with both conditions AQ-34 and AQ-88. The official report will be included in the second quarter 2022 report.

**Summary Report
Gaseous Excess Emission and Monitoring System Performance
Version 43.0**

Reporting dates 1/1/2022 00:00 through 3/31/2022 23:59
Generated: 4/1/2022 09:55

**Pollutant: NOx
Emission Limit: 15 ppmc @ 15% O2 4 Hour Rolling**

Company Name: NRG
Address: Carlsbad, CA
Model:

Date of Latest CEMS
Certification Audit:

Description: Unit 6

Date of Latest CEMS Certification or Audit:

Total source operating time in reporting period: **375.0 hours**

| Emission Data Summary(note 1) | CEMS Downtime Summary(note 1) |
|---|--|
| 1. Duration of excess emissions in period due to: | 1. Duration of CEMS downtime in period due to: |
| a. Start Up/Shut Down..... 0.0 | a. Monitoring Equipment Malfunction..... 0.0 |
| b. Control Equipment Failure..... 0.0 | b. Non-Monitoring Equipment Malfunction... 0.0 |
| c. Process Problems..... 0.0 | c. Quality Assurance..... 0.0 |
| d. Other Known Excess Emissions Cause..... 0.0 | d. Other Known Monitor Downtime Cause..... 0.0 |
| e. Unknown Excess Emissions Cause..... 0.0 | e. UnKnown Monitor Downtime Cause..... 0.0 |
| 2. Total duration of excess emission..... 0.0 | 2. Total duration of CEMS downtime..... 0.0 |
| 3. Excess emission duration (%)..... 0.00% | 3. CEMS downtime (%)..... 0.00% |

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

Note(s):

- ¹ For opacity, record all times in minutes. For gases, record all times in hours.
- ² For the reporting period: If the total duration of excess emissions is 1% or greater of the total operating time or the total CEMS downtime is 5% or greater of the total operating time, both this summary report and the excess emissions report described in 40CFR60.7(c) shall be submitted.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

On a separate page, describe any changes since last quarter in CEMS, process or controls.

Name: Paul Mattesich

Signature: _____

Title: Plant Manager

Date: April 5, 2022

**Summary Report
Gaseous Excess Emission and Monitoring System Performance
Version 43.0**

Reporting dates 1/1/2022 00:00 through 3/31/2022 23:59
Generated: 4/1/2022 09:55

**Pollutant: NOx
Emission Limit: 15 ppmc @ 15% O2 4 Hour Rolling**

Company Name: NRG
Address: Carlsbad, CA
Model:
Date of Latest CEMS
Certification Audit:

Description: Unit 7

Date of Latest CEMS Certification or Audit:

Total source operating time in reporting period: **519.0 hours**

| Emission Data Summary(note 1) | CEMS Downtime Summary(note 1) |
|---|--|
| 1. Duration of excess emissions in period due to: | 1. Duration of CEMS downtime in period due to: |
| a. Start Up/Shut Down..... 0.0 | a. Monitoring Equipment Malfunction..... 1.0 |
| b. Control Equipment Failure..... 0.0 | b. Non-Monitoring Equipment Malfunction... 0.0 |
| c. Process Problems..... 0.0 | c. Quality Assurance..... 0.0 |
| d. Other Known Excess Emissions Cause..... 0.0 | d. Other Known Monitor Downtime Cause..... 0.0 |
| e. Unknown Excess Emissions Cause..... 0.0 | e. UnKnown Monitor Downtime Cause..... 0.0 |
| 2. Total duration of excess emission..... 0.0 | 2. Total duration of CEMS downtime..... 1.0 |
| 3. Excess emission duration (%)..... 0.00% | 3. CEMS downtime (%)..... 0.19% |

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

Note(s):

- ¹ For opacity, record all times in minutes. For gases, record all times in hours.
- ² For the reporting period: If the total duration of excess emissions is 1% or greater of the total operating time or the total CEMS downtime is 5% or greater of the total operating time, both this summary report and the excess emissions report described in 40CFR60.7(c) shall be submitted.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

On a separate page, describe any changes since last quarter in CEMS, process or controls.

Name: Paul Mattesich

Signature: _____

Title: Plant Manager

Date: April 5, 2022

**Summary Report
Gaseous Excess Emission and Monitoring System Performance
Version 43.0**

Reporting dates 1/1/2022 00:00 through 3/31/2022 23:59
Generated: 4/1/2022 09:55

**Pollutant: NOx
Emission Limit: 15 ppmc @ 15% O2 4 Hour Rolling**

Company Name: NRG
Address: Carlsbad, CA
Model:

Date of Latest CEMS
Certification Audit:

Description: Unit 8

Date of Latest CEMS Certification or Audit:

Total source operating time in reporting period: **611.0 hours**

| Emission Data Summary(note 1) | CEMS Downtime Summary(note 1) |
|---|--|
| 1. Duration of excess emissions in period due to: | 1. Duration of CEMS downtime in period due to: |
| a. Start Up/Shut Down..... 0.0 | a. Monitoring Equipment Malfunction..... 0.0 |
| b. Control Equipment Failure..... 0.0 | b. Non-Monitoring Equipment Malfunction... 0.0 |
| c. Process Problems..... 0.0 | c. Quality Assurance..... 0.0 |
| d. Other Known Excess Emissions Cause..... 0.0 | d. Other Known Monitor Downtime Cause..... 0.0 |
| e. Unknown Excess Emissions Cause..... 0.0 | e. UnKnown Monitor Downtime Cause..... 0.0 |
| 2. Total duration of excess emission..... 0.0 | 2. Total duration of CEMS downtime..... 0.0 |
| 3. Excess emission duration (%)..... 0.00% | 3. CEMS downtime (%)..... 0.00% |

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

Note(s):

- ¹ For opacity, record all times in minutes. For gases, record all times in hours.
- ² For the reporting period: If the total duration of excess emissions is 1% or greater of the total operating time or the total CEMS downtime is 5% or greater of the total operating time, both this summary report and the excess emissions report described in 40CFR60.7(c) shall be submitted.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

On a separate page, describe any changes since last quarter in CEMS, process or controls.

Name: Paul Mattesich

Signature: _____

Title: Plant Manager

Date: April 5, 2022

**Summary Report
Gaseous Excess Emission and Monitoring System Performance
Version 43.0**

Reporting dates 1/1/2022 00:00 through 3/31/2022 23:59
Generated: 4/1/2022 09:55

**Pollutant: NOx
Emission Limit: 15 ppmc @ 15% O2 4 Hour Rolling**

Company Name: NRG
Address: Carlsbad, CA
Model:

Date of Latest CEMS
Certification Audit:

Description: Unit 9

Date of Latest CEMS Certification or Audit:

Total source operating time in reporting period: **614.0 hours**

| Emission Data Summary(note 1) | CEMS Downtime Summary(note 1) |
|---|--|
| 1. Duration of excess emissions in period due to: | 1. Duration of CEMS downtime in period due to: |
| a. Start Up/Shut Down..... 0.0 | a. Monitoring Equipment Malfunction..... 0.0 |
| b. Control Equipment Failure..... 0.0 | b. Non-Monitoring Equipment Malfunction... 0.0 |
| c. Process Problems..... 0.0 | c. Quality Assurance..... 0.0 |
| d. Other Known Excess Emissions Cause..... 0.0 | d. Other Known Monitor Downtime Cause..... 0.0 |
| e. Unknown Excess Emissions Cause..... 0.0 | e. UnKnown Monitor Downtime Cause..... 0.0 |
| 2. Total duration of excess emission..... 0.0 | 2. Total duration of CEMS downtime..... 0.0 |
| 3. Excess emission duration (%)..... 0.00% | 3. CEMS downtime (%)..... 0.00% |

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

Note(s):

- ¹ For opacity, record all times in minutes. For gases, record all times in hours.
- ² For the reporting period: If the total duration of excess emissions is 1% or greater of the total operating time or the total CEMS downtime is 5% or greater of the total operating time, both this summary report and the excess emissions report described in 40CFR60.7(c) shall be submitted.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

On a separate page, describe any changes since last quarter in CEMS, process or controls.

Name: Paul Mattesich

Signature: _____

Title: Plant Manager

Date: April 5, 2022

**Summary Report
Gaseous Excess Emission and Monitoring System Performance
Version 43.0**

Reporting dates 1/1/2022 00:00 through 3/31/2022 23:59
Generated: 4/1/2022 09:55

**Pollutant: NOx
Emission Limit: 15 ppmc @ 15% O2 4 Hour Rolling**

Company Name: NRG
Address: Carlsbad, CA
Model:
Date of Latest CEMS
Certification Audit:

Description: Unit 10

Date of Latest CEMS Certification or Audit:

Total source operating time in reporting period: **312.0 hours**

| Emission Data Summary(note 1) | CEMS Downtime Summary(note 1) |
|---|--|
| 1. Duration of excess emissions in period due to: | 1. Duration of CEMS downtime in period due to: |
| a. Start Up/Shut Down..... 0.0 | a. Monitoring Equipment Malfunction..... 0.0 |
| b. Control Equipment Failure..... 0.0 | b. Non-Monitoring Equipment Malfunction... 0.0 |
| c. Process Problems..... 0.0 | c. Quality Assurance..... 0.0 |
| d. Other Known Excess Emissions Cause..... 0.0 | d. Other Known Monitor Downtime Cause..... 0.0 |
| e. Unknown Excess Emissions Cause..... 0.0 | e. UnKnown Monitor Downtime Cause..... 0.0 |
| 2. Total duration of excess emission..... 0.0 | 2. Total duration of CEMS downtime..... 0.0 |
| 3. Excess emission duration (%)..... 0.00% | 3. CEMS downtime (%)..... 0.00% |

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

Note(s):

- ¹ For opacity, record all times in minutes. For gases, record all times in hours.
- ² For the reporting period: If the total duration of excess emissions is 1% or greater of the total operating time or the total CEMS downtime is 5% or greater of the total operating time, both this summary report and the excess emissions report described in 40CFR60.7(c) shall be submitted.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

On a separate page, describe any changes since last quarter in CEMS, process or controls.

Name: Paul Mattesich

Signature: _____

Title: Plant Manager

Date: April 5, 2022

Attachment G Air Pollution Control District Monthly Report:

AQ-44: Rolling 12-Month Annual Emissions Summary
NO_x, CO, VOC, PM₁₀, and Sox

AQ-45: Rolling 12-Month Annual Emissions CO

AQ-46: NO_x and PM₁₀ Annual Emissions Summary

AQ-48: Monthly and Rolling 12-Month Calculated NO_x,
CO, VOCs, PM₁₀, and SOX Emissions Summary

AQ-80: Natural Gas Fuel Flow Summary Per Unit

| Year/Month | Plant Tons/12mo | | | | | Plant Tons/Calendar Year | | | | |
|----------------|-----------------|------|------|------|--|--------------------------|-------------|-------------|-------------|-------------|
| | Nox | CO | PM10 | SO2 | | Nox | CO | PM10 | SO2 | |
| 2022 January | 15.98 | 4.97 | 2.36 | 1.37 | | Unit 6 | 0.54 | 0.13 | 0.06 | 0.03 |
| 2022 February | 16.58 | 5.14 | 2.55 | 1.41 | | Unit 7 | 0.63 | 0.19 | 0.11 | 0.05 |
| 2022 March | 16.08 | 5.14 | 2.55 | 1.37 | | Unit 8 | 0.73 | 0.19 | 0.14 | 0.06 |
| 2022 April | 0.00 | 0.00 | 0.00 | 0.00 | | Unit 9 | 0.78 | 0.17 | 0.19 | 0.06 |
| 2022 May | 0.00 | 0.00 | 0.00 | 0.00 | | Unit 10 | 0.46 | 0.95 | 0.27 | 0.18 |
| 2022 June | 0.00 | 0.00 | 0.00 | 0.00 | | 2022 | 3.15 | 1.63 | 0.76 | 0.38 |
| 2022 July | 0.00 | 0.00 | 0.00 | 0.00 | | Limit: | 84.18 | 77.80 | 28.40 | 5.60 |
| 2022 August | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 2022 September | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 2022 October | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 2022 November | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 2022 December | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

Attachment H VOC Statement:

AQ-29: Calculated VOC Corrected 2.0 PPM 1-Hour
Average Data

AQ-40: VOC Portion Only

AQ-41: VOC Portion Only

April 13, 2022

Subject: CARLSBAD ENERGY CENTER AQ-SC8 REPORT – VOLATILE ORGANIC
COMPOUNDS COMPLIANCE STATEMENT

The San Diego Air Pollution Control District has not established a surrogate calculation for volatile organic compounds. The following conditions cannot be fulfilled until such a surrogate is established:

- AQ-29
- AQ-40: Only VOC Element
- AQ-41: Only VOC Element

Attachment I Encina Power Station Operations Statement:

AQ-47: Encina Emissions Summary Following CECP Startup - Encina Power Station ceased operations on December 11, 2018 and is no longer operable. The following condition is fulfilled due to Encina no longer generating emissions.

Attachment J Noncompliance Statement:

AQ-76: CEMS Emissions Exceedance Summary

AQ-78: DAHS Programming Compliance Summary

April 13, 2022

Subject: CARLSBAD ENERGY CENTER AQ-SC8 REPORT – NONCOMPLIANCE STATEMENT

Carlsbad Energy Center had no permit exceedances in post-commercial operations in the fourth quarter of 2021 that did not qualify as breakdowns. In addition, no Data Acquisition Handling System (DAHS) programming changes were made in the first quarter of 2022. The following conditions are fulfilled:

- AQ-76
- AQ-78

Attachment K Diesel Fire Pump Operations Logs:

AQ-95: Fire Pump Hour Limit


AQ-105: Fire Pump Operating Log

April 13, 2022

Subject: CARLSBAD ENERGY CENTER AQ-SC8 REPORT – Diesel Statement

Attached are operator logs for the diesel test runs in First Quarter of 2022. The logs show that the diesel has run under its hour limit for this year.

All Entries

| | | | | |
|---------|--|------------|--|----------|
| 9491653 | 03/30/2022 14:55 PDT  | K Campbell | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 68.9; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9470239 | 03/21/2022 16:08 PDT  | R Burton | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 68.4; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9453902 | 03/14/2022 09:21 PDT  | M Kristie | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 68; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump St. . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9437069 | 03/07/2022 11:25 PST  | B Miller | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 67.6; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9428234 | 03/03/2022 08:58 PST  | G Munsell | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 672; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump S. . .</p> <p>Completed Items: 12 of 13</p> | Complete |
| 9405845 | 02/21/2022 14:05 PST  | R Burton | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 66.8; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9390524 | 02/14/2022 09:11 PST  | S Reilly | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 66.4; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9374329 | 02/07/2022 11:53 PST | B Miller | <p>Round: Weekly Diesel Firepump</p> | Complete |

| | | | | |
|---------|--|------------|--|----------|
| |  | | <p>Details: Diesel data before Start Engine hours: 66.0; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | |
| 9355403 | 01/31/2022 14:09 PST  | K Campbell | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 65.6; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9338623 | 01/25/2022 07:58 PST  | C Lobo | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 65.2; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9318068 | 01/17/2022 11:06 PST  | C Lobo | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 64.8; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9305172 | 01/11/2022 13:06 PST  | M Kristie | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 64.4; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |
| 9281984 | 01/03/2022 09:37 PST  | S Reilly | <p>Round: Weekly Diesel Firepump</p> <p>Details: Diesel data before Start Engine hours: 64.0; Diesel data before Start Diesel tank level: 62.5%; Start Diesel Fire Pump Normal Startup?: Normal; Start Diesel Fire Pump Normal Startup? Comment: N/A; Start Diesel Fire Pump . . .</p> <p>Completed Items: 13 of 13</p> | Complete |

Attachment L Diesel Generator Conditions:

AQ-110: Diesel Engine Run Hours

AQ-120: Diesel Engine Operation Logs

AQ-121: Diesel Engine District Notification

Carlsbad Energy Center does not currently have a diesel generator as one was not installed during construction. The determination of future installation is pending. Due to the absence of a Diesel Generator, Conditions of Certification AQ-110, AQ-120, and AQ-121 are currently not applicable.

Attachment M Annual Operating Summary:

AQ-49: Annual Operating Hours Summary

AQ-50: Annual Starts Per Turbine Summary

Daily Operating Report - Carlsbad Energy Center

for



3/31/2022

Availability - Capacity - Generation

Plant status at 0600 Hours:

| Unit 1 | |
|---|--|
| <input type="checkbox"/> Operating | |
| <input checked="" type="checkbox"/> Available | |
| <input type="checkbox"/> Not Available | |

| Unit 2 | |
|---|--|
| <input type="checkbox"/> Operating | |
| <input checked="" type="checkbox"/> Available | |
| <input type="checkbox"/> Not Available | |

Previous 24 Hours

| Unit 1 | | |
|----------------------------------|------|---------|
| Operating Hours: | 0:00 | Hrs:Min |
| (0001-2400) Total Online Hours | | |
| Net Generation: | 0.0 | MWhr |
| (0001-2400) Total Net Generation | | |

| Unit 2 | | |
|----------------------------------|------|---------|
| Operating Hours: | 3:22 | Hrs:Min |
| (0001-2400) Total Online Hours | | |
| Net Generation: | 91.0 | MWhr |
| (0001-2400) Total Net Generation | | |

Project

| | |
|---|--------|
| Total Availability: | 100.0% |
| <small>((Online Hr + Offline Available Hr)/120)</small> | |

| | |
|--|------|
| Total Capacity: | 0.0% |
| <small>((MW Generated/MW Scheduled) x 100)</small> | |

| | | |
|---|------|------|
| Total Generation: | 91.0 | MWhr |
| <small>Total Net Generation (Unit 1 Net + Unit 2 Net)</small> | | |

| Annual Limits | Starts | Op. Hours |
|--------------------|-----------|------------|
| | 400 Limit | 2700 Limit |
| Carlsbad 1 - GT 6 | 106 | 217.63 |
| Carlsbad 1 - GT 7 | 109 | 356.37 |
| Carlsbad 1 - GT 8 | 113 | 443.02 |
| Carlsbad 1 - GT 9 | 113 | 447.77 |
| Carlsbad 2 - GT 10 | 79 | 207.35 |

Period Availability (Updated Monthly) - Last updated 8/1/20

| Unit 1 | |
|--|---------|
| M(onth)TD Availability | 100% |
| <small>MTD (Online Hr + MTD Offline Avl Hr)/MTD Hr</small> | |
| P(eak)TD Availability | 100.00% |
| <small>(PTD Online Hr + PTD Offline Avl Hr)/PTD Hr</small> | |

| Unit 2 | |
|--|---------|
| M(onth)TD Availability | 100% |
| <small>MTD (Online Hr + MTD Offline Avl Hr)/MTD Hr</small> | |
| P(eak)TD Availability | 100.00% |
| <small>(PTD Online Hr + PTD Offline Avl Hr)/PTD Hr</small> | |

Significant Events

| |
|--|
| <input checked="" type="checkbox"/> No significant events, generation losses, major equipment out of service, accidents, injuries or operating abnormalities |
|--|

OR

Describe:

| |
|--|
| Losses of generation (Include Date/Time Offline; Date/Time Online, Brief narrative of event) |
| List Major Equipment Out of Service |
| Briefly Describe any Accidents or Injuries |
| Describe any Operating Anomalies |

| |
|--|
| |
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| |
| |
| |
| |
| |
| |
| |

* Use extra pages if required

Submitted by: Brian Wood

Attachment N Verifications Not Included:

AQ-51: Commissioning Starts Per Turbine Summary

AQ-90: Initial Startup Notification