



**CALIFORNIA
ENERGY COMMISSION**



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Senate Bill X1-2: California Refinery Maintenance Guidelines

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DISCLAIMER

This Guidelines shall take affect when it is formally adopted by the Energy Commission on May 8, 2024, pursuant to Public Resources Code Section 25354 (n) (2). This Guidelines reflects the current reporting requirements implementing SB X1-2. Petroleum refineries in California must report all planned and unplanned maintenance, including turnarounds, to the Energy Commission in accordance with this Guidelines pursuant to Public Resources Code section 25354 (m). This Guidelines may be revised periodically to reflect market, regulatory, and legislative developments.

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ABSTRACT

The *Senate Bill X1-2: California Refinery Maintenance Guidelines* (Guidelines) describes the reporting requirements for planned and unplanned refinery maintenance events. Informational requirements in this Guidelines include description and reason for the maintenance, service halt and return dates, process units involved, operational capacities, output decrease, inventory levels, supplemental purchases to replace lost production (in-state, out-of-state, and foreign imports), reductions of noncontracted sales, contractual supply obligations, and indication of initial estimates, revisions, or final values. Required reporting periods for planned and unplanned maintenance as well as guidelines for the Final Refinery Maintenance Reports (planned and unplanned) once maintenance has finished or units resume scheduled production rates are also outlined in this Guidelines.

Keywords: SBX1-2, Refinery Maintenance

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CHAPTER 1:

Introduction

Under the Petroleum Industry Information Reporting Act of 1980 (PIIRA), the California Energy Commission (CEC) collects data about the petroleum market that is essential for the state to develop and administer energy policies in the best interests of the state and public welfare. Senate Bill (SB) X1-2 (Stats. 2023, 1st Ex. Sess. 2023, Ch. 1) expanded the information that refiners and other petroleum market participants are required to submit to the CEC under PIIRA, including information regarding planned and unplanned maintenance events and turnarounds. The CEC developed this *California Refinery Maintenance Reporting Guidelines* (Guidelines) pursuant to its statutory authority to implement and administer these maintenance reporting requirements.

Accurate information on refinery maintenance activity is crucial to the CEC's understanding of the petroleum market and any investigations of pricing behavior. This Guidelines is necessary to clarify the refinery planned and unplanned maintenance and turnaround requirements introduced by SB X1-2, and thereby enhance oversight and to protect Californians from future price spikes.

This Guidelines reflects the current reporting requirements implementing SB X1-2. The CEC recognizes that it may need to be revised periodically to reflect market, regulatory, and legislative developments.

This edition of the Guidelines, referred to as the *California Refinery Maintenance Guidelines, First Edition*, shall take effect when the CEC adopts the Guidelines in accordance with Public Resources Code Section 25354 (n) (2).

Chapter 2

Authority, Interpretation, and Reporting Requirements

The Guidelines is adopted under Public Resources Code section 25354 (n) (2), which provides that the CEC may adopt guidelines governing the maintenance-related reporting requirements set forth in Public Resources Code section 25354 (m). This Guidelines is exempt from the Administrative Procedure Act, as specified in Chapter 3.5 (commencing with Section 11340) of Part 1 of Division 3 of Title 2 of the Government Code, as are any regulations, guidelines, or other standards adopted by the CEC pursuant to Public Resources Code section 25354 (n) (2).

Nothing in this Guidelines shall be construed to abridge the powers or authority of the CEC or any CEC-designated committee as specified in Division 15 of the Public Resources Code, commencing with Section 25000, or Division 2 of Title 20 of the California Code of Regulations, commencing with Section 1001.

Unless specified otherwise by the CEC, this Guidelines and any subsequent updates shall take effect upon adoption by the CEC at a publicly noticed business meeting following Public Resources Code section 25354 (n) (2). This Guidelines and any subsequent updates may be given retroactive effect as specified by the CEC and according to statutory authority.

Except to the extent that the terms of this Guidelines provide otherwise, the definitions in California Code of Regulations, title 20, section 1363.1 and 1363.2 apply for the reporting requirements in this Guidelines.

Petroleum refineries in California must report all planned and unplanned maintenance, including turnarounds, to the CEC pursuant to Public Resources Code section 25354 (m).

Chapter 3

Maintenance Reports

California Planned Refinery Maintenance Report

This report shall contain all of the information detailed below in subsections A through M. Refer to our [PIIRA Forms and Instructions](#) web page for the Planned Refinery Maintenance Report and Instructions.

Reporting Period

Refiners shall submit Initial Planned Refinery Maintenance Reports at least 120 days before any planned maintenance or turnaround. If the need for planned maintenance or turnaround is identified less than 120 days prior to the scheduled event, refiners shall submit the initial report within two business days of discovering the need for planned maintenance and include all information available at that time. If any changes occur after the submission of the initial report, refiners shall submit a revised report within two business days, outlining the nature of the change in the description of planned work and updating any information fields affected by the change. Changes requiring a revised report may include, but are not limited to, securing contracts that impact inventory and supply estimates, commencing maintenance or turnaround work, delays in the receipt of repair components, and rescheduling the planned event. Refiners shall submit a Final Planned Refinery Maintenance Report with finalized dates and values to the executive director of the commission within two business days either after repairs on the units have completed or when units resume scheduled production rates, whichever occurs first.

Informational Requirements

- A. A brief description of planned work.
- B. The name and operational capacity of individual processing units involved, expressed in barrels per calendar day (B/CD), of each processing unit. Include any processing units that will have decreased output. For events involving multiple process units with differing schedules, refiners shall specify the halt and return-to-service dates for each process unit involved.
- C. The estimated halt service date. The date that each affected processing unit stops operation or reduces to the rate necessary for maintenance to proceed. Final reports shall contain the actual halt service date.
- D. The estimated return-to-service date when the affected processing unit(s) resumes at scheduled production rates. Final reports shall contain the actual return-to-service date.
- E. The daily decrease in output of material or substance produced by each affected processing unit, such as gasoline, diesel, or jet fuel components, expressed in barrels per day (BPD).
- F. The estimated drawdown of inventory levels of gasoline and gasoline blending components and other material or substance produced by each affected process unit that are controlled by the refiner at the refinery and at other storage locations in California during the planned maintenance event or turnaround. Final reports shall contain actual drawdown values totaled

to the return-to-service date of affected processing unit. Volumes shall be expressed in barrels.

G. The estimated inventory levels of gasoline and gasoline blending components and other material or substance produced by each affected processing unit that are controlled by the refiner at the refinery and at other storage locations in California during the planned maintenance event or turnaround. Final reports shall contain actual inventory levels at return-to-service date of affected processing unit. Volumes shall be expressed in barrels.

H. In-state-purchases from other market participants in California of gasoline and gasoline blend components and other material or substance produced by each affected processing unit in preparation for or during the planned maintenance event to replace lost production. Volumes shall be expressed in BPD.

I. Out-of-state purchases from other domestic market participants of gasoline and gasoline blend components and other material or substance produced by each affected processing unit in preparation for or during the planned maintenance event to replace lost production. Volumes shall be expressed in BPD.

J. Foreign Imports of gasoline and gasoline blend components and other material or substance produced by each affected processing unit in preparation for or during the planned maintenance event to replace lost production. Volumes shall be expressed in BPD.

K. Reductions of noncontracted sales of gasoline or other material or substance produced by each affected processing unit related to the planned maintenance event. Volumes shall be expressed in barrels.

L. The quantity of contractual supply obligations, expressed in barrels, for finished California-specification gasoline due during the planned maintenance event or turnaround.

M. Indication if the reported item is an initial estimate, revision, or final value.

California Unplanned Refinery Maintenance Report

This report shall contain the information detailed below in subsections A through M. Refer to our [PIIRA Forms and Instructions](#) web page for the Unplanned Refinery Maintenance Report and Instructions.

Reporting Period

For unplanned maintenance resulting in a shutdown of a refinery process lasting more than 24 hours or for unplanned processing unit rate reduction events that will result in a production loss of two percent or more of any marketable product class per facility, lasting three days or more, each reporting company shall provide the Initial Unplanned Refinery Maintenance Report within two business days of the initial event occurrence and the Final Unplanned Refinery Maintenance Report within two business days of the completion of repairs or when units resume scheduled production rates, whichever occurs first. If any changes occur during the maintenance event affecting a processing unit's return-to-service date after the submission of the initial report, refiners must provide a revised report within two business days after the change has been discovered to the executive director of the commission, outlining the nature of the change.

Informational Requirements

- A. A description of the reason for the unplanned maintenance or processing unit rate reduction.
- B. The name and operational capacity of each processing unit involved in the unplanned maintenance event, expressed in B/CD. For events involving multiple processing units at differing occurrences, refiners shall specify the halt event date and return-to-service date for each processing unit involved.
- C. The specific halt event date of the event. The date that each affected processing unit stopped operation or reduced to the rate necessary for maintenance to proceed.
- D. The estimated return-to-service date. when the affected processing unit(s) resumes at scheduled production rates. Final reports shall contain the actual return-to-service date.
- E. The daily decrease in output of gasoline, diesel, and jet fuel components from each processing unit affected by the unplanned maintenance or rate reduction event.
- F. The estimated drawdown of inventory levels of gasoline and gasoline blending components and other material or substance produced by each affected processing unit that are controlled by the refiner at the refinery and at other storage locations in California during the unplanned maintenance or rate reduction event. Final reports shall contain actual drawdown values totaled to the return-to-service date of affected processing unit. Volumes shall be expressed in barrels.
- G. The inventory levels of gasoline and gasoline blending components and other material or substance produced by each affected processing unit that are controlled by the refiner at the refinery and at other storage locations in California during the unplanned maintenance or rate reduction event. Volumes shall be expressed in barrels.
- H. The volume of in-state purchases from other market participants in California of gasoline and gasoline blend components and other material or substance produced by each affected processing unit during the unplanned maintenance or rate reduction event to replace lost production. Volumes shall be expressed in BPD.
- I. The volume of out-of-state purchases from other domestic market participants of gasoline and gasoline blend components and other material or substance produced by each affected processing unit during the unplanned maintenance or rate reduction event to replace lost production. Volumes shall be expressed in BPD.
- J. The volume of foreign imports of gasoline and gasoline blend components and other material or substance produced by each affected processing unit during the unplanned maintenance or rate reduction event to replace lost production. Volumes shall be expressed in BPD.
- K. The volume of reductions in noncontracted sales of gasoline or other material or substance produced by each affected processing unit during the unplanned maintenance or rate reduction event. Volumes shall be expressed in barrels.
- L. The quantity of contractual supply obligations, expressed in barrels, for finished California-specification gasoline due during the unplanned maintenance or rate reduction event.
- M. Indication if the reported item is an initial estimate, revision, or final value.

Chapter 4

Additional Requirements

Maintenance Turnaround Schedules

Before submitting its maintenance turnaround schedule notification to the Division of Occupational Safety and Health pursuant to Section 7872 of the Labor Code, each refiner shall, pursuant to Public Resources Code section 25354 (m) (3), submit its turnaround schedule to the Executive Director of the CEC. This report shall be electronically submitted to the CEC in PDF format and match the submission to Division of Occupational Safety and Health.