



# Gas-Insulated Equipment Reporting Form Supplemental Instructions for Data Years 2025 and Beyond

Updated February 23, 2026

*The Regulation for Reducing Greenhouse Gas Emissions from Gas-Insulated Equipment (Regulation)* requires all regulated entities to submit an annual report to the California Air Resources Board (CARB), by June 1 (or the first business day thereafter) of each year, for activities and emissions that occurred during the previous calendar year. CARB staff developed a standardized *Gas-Insulated Equipment (GIE) Reporting Form* for submission for *Data Years* 2025 and beyond. This document provides instructions on how to complete the reporting form, including Regulation citations referencing the regulatory requirement language. These instructions are supplemental to those in the reporting form itself. This document is guidance only and does not supersede the Regulation. In circumstances of uncertainty, the Regulation is the controlling document. **Please carefully read the Instructions worksheet in the reporting form in addition to the information provided in this document.**

## Reporting Form Updates for 2025

To reflect new regulatory requirements that took effect in 2025, the reporting form was modified to include: (1) additional reporting requirements for *SF<sub>6</sub> GIE Acquired* after the phase-out date, (2) reporting of *Replacement Parts*, and (3) switch to a baseline emissions limit.

Beginning January 1, 2025, *GIE Owners* may no longer *Acquire* certain *SF<sub>6</sub> GIE* except under a few conditions, and section 95354(a)(13) requires that the *GIE Owner* provide additional information depending on which condition applied. This new requirement is shown in five new data fields added to the Hermetically Sealed GIE and Non-Hermetically Sealed GIE worksheets. For *GIE Acquired* after the applicable phase-out date, indicate "Yes" in the "Acquired After Applicable Phase-Out Date?" column and provide the additional information where it applies. For existing *GIE* from the previous year's inventory or new *GIE Acquired* before the applicable phase-out date, indicate "No" in the "Acquired After Applicable Phase-Out Date?" column.

*Replacement Parts*, as defined in section 95351(a), are not subject to the phase-out requirements. However, section 95354(a)(12) requires reporting of *SF<sub>6</sub>-containing Replacement Parts* installed during the *Data Year* on *Active SF<sub>6</sub> GIE* for which the phase-out

date has passed. A new worksheet called Replacement Parts is added to the reporting form to capture the required information for the applicable *Replacement Parts*.

Since 2021, the emissions limit for most *GIE Owners* was equivalent to one or two percent of their average system capacity. As the *GIE Owner's* capacity grows, so too would the emissions allowed. To address this issue, the Regulation mandates the use of a baseline emissions limit starting in *Data Year 2025*. Three data fields are added to the Non-Hermetically Sealed GIE worksheet to indicate whether a device is included in the previous year's baseline and its replacement status (if applicable). Further, the Emissions Limit section of the Emissions, Emissions Limit worksheet has been modified for inputting each component of the emissions limit calculation. Please carefully review the calculation at each step in section 95352 of the Regulation and in this document as many terms share a similar name but have distinct meanings.

## Getting Started

Terms that are defined in the Regulation are used throughout this document and are shown in *italic font* with the first letter of each word capitalized. Refer to the Regulation for definitions of these terms.

Macros are embedded in the reporting form and must be enabled for the form to work properly. Upon opening the workbook in MS Excel, you may encounter a warning message at the top banner. Depending on the message, follow these steps to unblock macros.

If you see a pink bar that reads "SECURITY RISK Microsoft has blocked macros from running because the source of this file is untrusted":

- (1) Close the file. Locate the reporting form file and right click to select "Properties."
- (2) In the pop-up window, under the "General" tab, check the "Unblock" box at the bottom. Click "OK" to save and exit.
- (3) Re-open the form. Go to the "Facility Info" worksheet and select "SF<sub>6</sub>" in cell A8. Your cursor may turn into a spinning circle for a couple of seconds as the macro runs in the background.

If you see a yellow bar that reads "SECURITY WARNING Macros have been disabled":

- (1) Click on the "Enable Content" button next to the message.
- (2) Go to the Facility Info worksheet and select "SF<sub>6</sub>" in cell A8. Your cursor may turn into a spinning circle for a couple of seconds as the macro runs in the background.

To check whether macros have been enabled, navigate to the Emissions, Emissions Limit worksheet. Column B for reporting SF<sub>6</sub> emissions should be populated with green cells for data input.

## Worksheet: Facility Info

The Facility Info worksheet enables data input throughout the reporting form and must be completed before entering any data in the other worksheets. This worksheet captures basic information about the *Covered Insulating Gases* being used by the reporting entity, as well as other contact information for the entity and the *Designated Representative* submitting the report. Enter data for all applicable fields. If a field does not apply, leave it blank.

### Data Year

Enter the *Data Year* for which the report is submitted. See section 95351(a) for the regulatory definition of *Data Year*. This version (R.06) of the reporting form is designed for *Data Years* 2025 and beyond.

### Covered Insulating Gas

Enter the *Covered Insulating Gas(es)* present in *GIE*, *Gas Containers*, and/or *Gas Carts* during the *Data Year*, either by selecting the gas (e.g.,  $SF_6$  for sulfur hexafluoride or C4F7N for Perfluoroisobutyronitrile) from the drop-down menu or entering the name of the *Covered Insulating Gas*. See section 95351(a) for the regulatory definition of *Covered Insulating Gas*. Leave any unused rows in the table blank.

### Covered Insulating Gas' GWP

If the *Covered Insulating Gas* is selected from the drop-down menu in the previous column, the *Global Warming Potential (GWP)* will auto-populate. If a gas is entered manually, enter the 100-year time horizon *GWP* of that *Covered Insulating Gas* here. See section 95351(a) for the regulatory definition of *Global Warming Potential*.

### Mass Share(s) of Covered Insulating Gas in Gas Blend(s) (expressed as decimal)

If the *Covered Insulating Gas* is a blend of multiple gases, enter the mass share of the *Covered Insulating Gas* (the ratio of the mass of *Covered Insulating Gas* relative to the total amount of insulating gas, expressed as a decimal value). For example, enter "0.05" if the blend contains 5% perfluoroisobutyronitrile and 95% other gases such as oxygen and carbon dioxide. If there are multiple blends of the same *Covered Insulating Gas*, separate the individual mass share entries by a comma. If the *Covered Insulating Gas* is not used in a blend (e.g.,  $SF_6$ ), leave this field blank.

### GIE Owner's Name

Enter the legal name of the entity (e.g., company, corporation, or agency) that is required to report under this Regulation, referred to as "*GIE Owner*" in the regulatory text. See section 95351(a) for the regulatory definition of *GIE Owner*.

### **ARB ID (if assigned)**

Enter the unique identification (ID) number that CARB assigned to the entity for reporting under this Regulation. This field applies only to Cal e-GGRT reporters.

### **Telephone Number**

Enter the *GIE Owner's* ten-digit telephone number.

### **Addresses of GIE Owner's Headquarters (Physical, Mailing, and Document/Record Location)**

Cal e-GGRT reporters do not need to provide the physical and mailing addresses in their report, as the reporters provide them during the Cal e-GGRT registration process. Non-Cal e-GGRT reporters must provide the street, city, state, and ZIP code of their physical and mailing addresses. For all reporters, document and record location information is only required if the location is different from the entity's physical address.

### **Designated Representative's (DR) Name and Contact Information**

For Cal e-GGRT reporters, enter the name and official title of the *Designated Representative* (DR), as defined in section 95351(a). Cal e-GGRT reporters do not need to provide the DR contact information in their report because they provide it during registration. For non-Cal e-GGRT reporters, enter the name and official title of the DR, as defined in section 95351(a), and the DR's email address, the ten-digit telephone number, and mailing address (street, city, state, and ZIP code).

### **Combine/split of GIE Owner(s) since prior year's report submission?**

Select either "Yes" or "No" from the drop-down menu to indicate whether the reporting entity has combined with or split from other entities since the prior year's report submission. See sections 95353(i) and 95353(j) for regulatory provisions on combining and splitting of *GIE Owners*.

### **Worksheet: Hermetically Sealed GIE**

The Hermetically Sealed GIE worksheet captures a current and complete inventory of the entity's *Hermetically Sealed GIE* owned at any point during the *Data Year*. See section 95351(a) to ensure equipment reported in this worksheet meets the regulatory definition of *Hermetically Sealed GIE*. Leave this worksheet blank if there are none to report.

### **Serial Number**

Enter the serial number of the *GIE* device, which is usually found on the nameplate affixed to the device. If the serial number is unknown or is a duplicate of another device, use a unique identifier and retain documentation that allows the *GIE* device to be readily identifiable, per section 95354(a)(3).

## Equipment Type

Select the equipment type (e.g., circuit switcher, switch) from the drop-down menu. If the equipment type of a device is not on the list, select "Other."

## Equipment Type (if Other)

This field is only required if "Other" is selected in the previous column. If the equipment type is not listed in the previous column drop-down menu, specify the equipment type of the *GIE* device.

## Seal Type

The seal type "Hermetic" will auto-populate when the serial number of the *GIE* device is entered. See section 95351(a) to ensure equipment reported in this worksheet meets the regulatory definition of *Hermetically Sealed GIE*.

## Manufacturer

Enter the name of the manufacturer of the *GIE* device.

## Year Manufactured

Enter the year the *GIE* device was manufactured in yyyy format. If the manufacturing year of the *GIE* device cannot be determined, report a best estimate of the year of manufacture per section 95354(a)(2)(A). Note that this section also requires the entity to record how the estimated year was determined.

## Voltage Capacity (kilovolts, kV)

Enter the *Voltage Capacity* (often referred to as the rated voltage) of the *GIE* device in kilovolts (kV). See section 95351(a) for the regulatory definition of *Voltage Capacity*.

## Nameplate Capacity (lb)

Enter the *Nameplate Capacity* in pounds. See section 95351(a) for the regulatory definition of *Nameplate Capacity*.

## Covered Insulating Gas

Select the *Covered Insulating Gas* used in the *GIE* device from the drop-down menu. The options in this drop-down menu are the gas(es) selected or entered in the Covered Insulating Gas section of the Facility Info worksheet.

## Covered Insulating Gas' GWP

The *GWP* of the *Covered Insulating Gas* will auto-populate once a *Covered Insulating Gas* is selected in the previous column.

## Jointly Owned?

Select "Yes" or "No" from the drop-down menu to indicate whether the device is jointly owned with another *GIE Owner*.

## GIE Owner's Equity Share (%)

This field is required only for jointly owned *GIE* devices. Enter your entity's equity share of the device as a percentage, not as a decimal. For example, enter 50% if the ownership is shared equally with another entity.

## Name, ARB ID and Equity Shares (%) of Other Co-Owners

This field is required only for jointly owned *GIE* devices. Enter the name(s), ARB ID(s) (if known), and equity share(s) of all other co-owners of the device. For example, enter "Alpha Corp., 511111, 30%. Beta Corp., Unknown ARB ID, 25%."

## Acquired after 12/31/21?

Select "Yes" or "No" from the drop-down menu to indicate whether the device was *Acquired* after December 31, 2021. See section 95351(a) for the regulatory definition of *Acquire*. If "Yes" is selected, provide additional information about the device in the next four columns.

## Date Acquired (mm/dd/yyyy)

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Enter the date the *GIE* device was *Acquired* in mm/dd/yyyy format. See section 95351(a) for the regulatory definition of *Acquire*.

## Date Purchased (mm/dd/yyyy)

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Enter the date the *GIE* device was *Purchased* in mm/dd/yyyy format. See section 95351(a) for the regulatory definition of *Purchase*.

## Short-Circuit Current Rating (kiloamperes, kA)

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Enter the short-circuit current rating of the *GIE* device in kiloamperes (kA).

## Used Above or Below Ground?

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Select "Above Ground" or "Below Ground" from the drop-down menu to indicate whether the device is used above or below ground.

### **Connected to Electrical Power System on 1/1?**

Select "Yes" or "No" from the drop-down menu to indicate whether the device was connected to the *Electrical Power System* on January 1 at the beginning of *Data Year*. See section 95351(a) for the regulatory definition of *Electrical Power System*.

### **Connected to Electrical Power System on 12/31?**

Select "Yes" or "No" from the drop-down menu to indicate whether the device was connected to the *Electrical Power System* on December 31 at the end of the *Data Year*. See section 95351(a) for the regulatory definition of *Electrical Power System*.

### **Still Owned on 12/31?**

Select "Yes" or "No" from the drop-down menu to indicate whether the device was still owned on December 31 at the end of the *Data Year*.

### **Acquired After Applicable Phase-Out Date?**

Select "Yes" or "No" from the drop-down menu to indicate whether the device was *Acquired* after the applicable phase-out date per Table 1 and Table 2 of section 95352(a).

### **Acquisition Mechanism**

This field is only required for *SF<sub>6</sub> GIE* devices *Acquired* after the applicable phase-out date. Select the mechanism through which the device was *Acquired* from the drop-down menu. See section 95351(a) for the regulatory definition of *Acquire*.

### **Request ID Number**

This field is only required for *SF<sub>6</sub> GIE* devices *Acquired* via an approved *SF<sub>6</sub>* phase-out exemption per section 95357 or in response to a failure per section 95357(i) or 95357(j). Enter the phase-out exemption request or failure notification identification number assigned by CARB.

### **Name and ARB ID of Previous GIE Owner**

This field is only required for *SF<sub>6</sub> GIE* devices *Acquired* after the applicable phase-out date and previously reported to CARB per section 95352(a)(2). Enter the name and ARB ID (if known) of the previous *GIE Owner*.

### **Serial Number of Returned Device**

This field is only required for *SF<sub>6</sub> GIE* devices *Acquired* after the applicable phase-out date and as a replacement of a defective device under the manufacturer's warranty, per section 95352(a)(4). Enter the serial number of the defective *SF<sub>6</sub> GIE* device returned to the manufacturer.

## Worksheet: Non-Hermetically Sealed GIE

The Non-Hermetically Sealed GIE worksheet captures a current and complete inventory of the reporting entity's *Non-Hermetically Sealed GIE* owned at any point during the *Data Year*. See section 95351(a) to ensure equipment reported in this worksheet meets the regulatory definition of *Non-Hermetically Sealed GIE*. Leave this worksheet blank if there are none to report.

### Serial Number

Enter the serial number of the *GIE* device, which is usually found on the nameplate affixed to the device. If the serial number is unknown or is a duplicate of another device, use a unique identifier and retain documentation that allows the *GIE* device to be readily identifiable, per section 95354(a)(3).

### Equipment Type

Select the equipment type (e.g., busbar, circuit breaker, switch) from the drop-down menu. If the equipment type of a device is not on the list, select "Other."

### Equipment Type (if Other)

This field is only required if "Other" is selected in the previous column. If the equipment type is not listed in the previous column drop-down menu, specify the equipment type of the *GIE* device.

### Seal Type

The seal type "Non-Hermetic" will auto-populate when the serial number of the *GIE* device is entered. See section 95351(a) to ensure the equipment reported in this worksheet meets the regulatory definition of *Non-Hermetically Sealed GIE*.

### Manufacturer

Enter the name of the manufacturer of the *GIE* device.

### Year Manufactured

Enter the year the *GIE* device was manufactured in yyyy format. If the manufacturing year of the *GIE* device cannot be determined, report a best estimate of the year of manufacture per section 95354(a)(2)(A). Note that this section also requires the entity to record how the estimated year was determined.

### Voltage Capacity (kilovolts, kV)

Enter the *Voltage Capacity* (often referred to as the rated voltage) of the *GIE* device in kilovolts (kV). See section 95351(a) for the regulatory definition of *Voltage Capacity*.

## Nameplate Capacity (lb)

Enter the *Nameplate Capacity* in pounds. See section 95351(a) for the regulatory definition of *Nameplate Capacity*. This value is required to be reported for all *GIE*, including those *Acquired* after December 31, 2021, for which *Covered Insulating Gas at Activation* is required to be reported.

## Covered Insulating Gas

Select the *Covered Insulating Gas* used in the *GIE* device from the drop-down menu. The options in this drop-down menu are based on those gas(es) selected or entered in the Covered Insulating Gas section in the Facility Info worksheet.

## Covered Insulating Gas' GWP

The *GWP* of the *Covered Insulating Gas* will auto-populate in this column once a *Covered Insulating Gas* is selected in the previous column.

## Jointly Owned?

Select "Yes" or "No" from the drop-down menu to indicate whether the device is jointly owned with another *GIE Owner*.

## GIE Owner's Equity Share (%)

This field is required only for jointly owned *GIE* devices. Enter your entity's equity share of the device as a percentage, not as a decimal. For example, enter 50% if the ownership is shared equally with another entity.

## Name, ARB ID and Equity Shares (%) of Other Co-Owners

This field is required only for jointly owned *GIE* devices. Enter the name(s), ARB ID(s) (if known), and equity share(s) of all other co-owners of the device. For example, enter "Alpha Corp., 511111, 30%. Beta Corp., Unknown ARB ID, 25%."

## Acquired after 12/31/21?

Select "Yes" or "No" from the drop-down menu to indicate whether the device was *Acquired* after December 31, 2021. See section 95351(a) for the regulatory definition of *Acquire*. If "Yes" is selected, provide additional information about the device in the next seven columns.

## Date Acquired (mm/dd/yyyy)

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Enter the date the *GIE* device was *Acquired* in mm/dd/yyyy format. See section 95351(a) for the regulatory definition of *Acquire*.

### **Date Purchased (mm/dd/yyyy)**

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Enter the date the *GIE* device was *Purchased* in mm/dd/yyyy format. See section 95351(a) for the regulatory definition of *Purchase*.

### **Short-Circuit Current Rating (kiloamperes, kA)**

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Enter the short-circuit current rating of the *GIE* device in kiloamperes (kA).

### **Used Above or Below Ground?**

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Select "Above Ground" or "Below Ground" from the drop-down menu to indicate whether the device is used above or below ground.

### **Amount of Covered Insulating Gas in Device when Acquired (lb)**

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Enter the amount of *Covered Insulating Gas*, in pounds, contained inside the *GIE* device when it was *Acquired*. See section 95354(a)(10)(A)2. for methods to determine the amount of gas. If the device contained no *Covered Insulating Gas* when *Acquired*, enter "0."

### **Additional Covered Insulating Gas Added to Device for Activation (lb, if applicable)**

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Enter the amount of additional *Covered Insulating Gas*, in pounds, added to the *GIE* device to make it an *Active GIE*. See section 95351(a) for the regulatory definition of *Active GIE* and section 95354(a)(10)(A)3.b. for methods to determine the amount of gas added. If no additional gas was added (e.g., the *GIE* device was fully charged when *Acquired*), enter "0." If the *GIE* device has not yet been *Activated*, leave this field blank.

### **Date Covered Insulating Gas First Added for Activation (mm/dd/yyyy, if applicable)**

This field is only required for *GIE* devices *Acquired* after December 31, 2021. Enter the date *Covered Insulating Gas* was first added to the *GIE* device to make it an *Active GIE*. See section 95351(a) for the regulatory definition of *Active GIE*. Per section 95354(b), *Covered Insulating Gas* shall not be added to a *GIE* device prior to the *Data Year* in which the device becomes *Active GIE*, either for the first time or after being previously accounted for as *Removed from Regular Use* per section 95354(c)(1). If the *GIE* device has not yet been *Activated*, leave this field blank.

## Covered Insulating Gas at Activation (lb)

The amount of *Covered Insulating Gas at Activation* will be auto-calculated when other relevant information is provided. See section 95351(a) for the regulatory definition of *Covered Insulating Gas at Activation*. Per section 95354(a)(10)(A)6., this value is calculated based on the amount of gas inside the device when *Acquired* and the additional amount of gas added for *Activation*, for *GIE* devices *Acquired* and made *Active* after December 31, 2021. Otherwise, this value equals the *Nameplate Capacity* of the *GIE* device.

## Active on 1/1?

Select "Yes" or "No" from the drop-down menu to indicate whether the device was *Active* on January 1 at the beginning of the *Data Year*. See section 95351(a) for the regulatory definition of *Active GIE*.

## Active on 12/31?

Select "Yes" or "No" from the drop-down menu to indicate whether the device was *Active* on December 31 at the end of the *Data Year*. See section 95351(a) for the regulatory definition of *Active GIE*.

## Still Owned on 12/31?

Select "Yes" or "No" from the drop-down menu to indicate whether the device was still owned on December 31 of the *Data Year*.

## If not active on 12/31, Last Date Active (mm/dd/yyyy)

This field is only required for *GIE* that was *Active GIE* at some point during its ownership by the *GIE Owner* but was not *Active* on December 31 of the *Data Year*. Enter the date the device was last *Active* in mm/dd/yyyy format. See section 95351(a) for the regulatory definition of *Active GIE*.

## Number of Days Active in Data Year (enter "0" if none)

Enter the number of days the *GIE* device was *Active* in the *Data Year*. See section 95351(a) for the regulatory definition of *Active GIE*. Enter "0" if the device was not *Active* during the *Data Year*.

## Operational Status Change during Data Year (if applicable)

This field is only applicable for *GIE* that had an operational status change during the *Data Year*. From the drop-down menu, select the applicable operational status change to the *GIE* device during the *Data Year*. The options include single actions and combinations of actions, so be sure to read all of the drop-down menu options before selecting. See sections 95351(a), 95354(c)(1), and 95354(c)(2) for the regulatory definitions of *Active GIE*, *Removed from Regular Use*, and *Transferred While in Use*, respectively. If none of the status changes apply to the *GIE* device during the *Data Year*, leave this field blank.

## Amount of Gas Transferred Out of Device Removed from Regular Use (Ib)

This field is only required for *GIE* reported as “Removed from regular use” or “Activated for first time and removed from regular use” in the previous column. Enter the amount of *Covered Insulating Gas*, in pounds, transferred out of the *GIE* device. See section 95354(c)(1) for the regulatory definition of *Removed from Regular Use* and section 95354(d) for methods on transferring gas out of a device.

## Acquired After Applicable Phase-out Date?

Select “Yes” or “No” from the drop-down menu to indicate whether the *GIE* device was *Acquired* after the applicable phase-out date per Table 1 and Table 2 of section 95352(a).

## Acquisition Mechanism

This field is only required for *SF<sub>6</sub>* *GIE* devices *Acquired* after the applicable phase-out date. Select the mechanism through which the device was *Acquired* from the drop-down menu. See section 95351(a) for the regulatory definition of *Acquire*.

## Request ID Number

This field is only required for *SF<sub>6</sub>* *GIE* devices *Acquired* via an approved *SF<sub>6</sub>* phase-out exemption per section 95357 or in response to a failure per section 95357(i) or 95357(j). Enter the phase-out exemption request or failure notification identification number provided by CARB.

## Name and ARB ID of Previous GIE Owner

This field is only required for *SF<sub>6</sub>* *GIE* devices *Acquired* after the applicable phase-out date and previously reported to CARB per section 95352(a)(2). Enter the name and ARB ID (if known) of the previous *GIE Owner*.

## Serial Number of Returned Device

This field is only required for *SF<sub>6</sub>* *GIE* devices *Acquired* after the applicable phase-out date and as a replacement of a defective device under the manufacturer’s warranty, per section 95352(a)(4). Enter the serial number of the defective *SF<sub>6</sub>* *GIE* device returned to the manufacturer.

## Included in BL CO<sub>2</sub>e capacity<sub>12/31/2024</sub> or BL CO<sub>2</sub>e capacity<sub>12/31/2024,i-1</sub>?

Select “Yes” or “No” to indicate whether or not this *GIE* device was included in the baseline CO<sub>2</sub>e capacity calculation.

- BL CO<sub>2</sub>e capacity<sub>12/31/2024</sub> is the system capacity (in MTCO<sub>2</sub>e) as calculated for *Active GIE* on December 31, 2024; this value is required to be calculated for *Data Year 2025* only.

- BL CO<sub>2</sub>e capacity<sub>12/31/2024,i-1</sub> is the system capacity (MTCO<sub>2</sub>e) calculated for the prior *Data Year*; this value for *Data Year 2025* is the same as same as BL CO<sub>2</sub>e capacity<sub>12/31/2024</sub>.

Refer to sections 95353(e) and 95353(e)(1) of the Regulation and the Emissions, Emissions Limit section of this document for detailed explanation and steps on how these values are calculated.

## Replacement Status

This field is only required for *GIE* included in the calculation of either BL CO<sub>2</sub>e capacity<sub>12/31/2024</sub> or BL CO<sub>2</sub>e capacity<sub>12/31/2024,i-1</sub> and is *Removed from Regular Use* per section 95354(c)(1) during the *Data Year*. Select the replacement status of this *GIE* device from the drop-down menu.

## Serial Number of Replacement Device

This field is only required for *GIE* replaced by an SF<sub>6</sub> *GIE* device as indicated in the previous column. Enter the manufacturer serial number of the replacement SF<sub>6</sub> *GIE* device.

## Worksheet: Early Action Credit

Per section 95353(d), regulated entities may accrue Early Action Credit starting in 2021 for each *Circuit Breaker* that meets the following conditions: became *Active GIE* for the first time between January 1, 2021 and the phase-out date for equivalent SF<sub>6</sub> *GIE* device, has a *Voltage Capacity* of 72.5 kV or greater, is not insulated with SF<sub>6</sub> or oil, and has not been *Removed from Regular Use* or *Transferred While in Use*.

Enter data for all *GIE* for which Early Action Credit is being claimed, including *GIE Activated* in the current *Data Year* and those already reported in a prior *Data Year*. If a device uses a non-SF<sub>6</sub> *Covered Insulating Gas* and is being claimed for Early Action Credit, it must be reported on both this worksheet and in the Non-Hermetically Sealed *GIE* worksheet. Leave this worksheet blank if not claiming Early Action Credit.

## Serial Number

Enter the serial number of the *Circuit Breaker*, which is usually found on the nameplate affixed to the device. If the serial number is unknown or is a duplicate of another device, use a unique identifier and retain documentation that allows the *GIE* device to be readily identifiable, per section 95354(a)(3).

## Equipment Type

The only type of equipment eligible for Early Action Credit is a *Circuit Breaker*; hence, this column is pre-filled. See section 95351(a) to ensure equipment reported in this worksheet meets the regulatory definition of *Circuit Breaker*.

## Manufacturer

Enter the name of the manufacturer of the *Circuit Breaker*.

## Date Activated for the First Time (mm/dd/yyyy)

Enter the date that the *Circuit Breaker* became *Active GIE* for the first time in mm/dd/yyyy format. See section 95351(a) for the regulatory definition of *Active GIE*.

## Voltage Capacity (kilovolts, kV)

Enter the *Voltage Capacity* (often referred to as the rated voltage) of the *Circuit Breaker* in kilovolts (kV). See section 95351(a) for the regulatory definition of *Voltage Capacity*.

## Medium that Provides Insulating and/or Interrupting Functions

Enter the medium that provides insulating and/or interrupting (arc quenching) functions (e.g., vacuum, dry air).

## Covered Insulating Gas (if applicable)

If the *Circuit Breaker* uses a *Covered Insulating Gas* for interrupting and/or insulating functions, enter the name of the gas used.

## Covered Insulating Gas GWP (if applicable)

If the *Circuit Breaker* uses a *Covered Insulating Gas* for interrupting and/or insulating functions, enter the *Global Warming Potential (GWP)* of the gas.

## Jointly Owned?

Select "Yes" or "No" from the drop-down menu to indicate whether the *Circuit Breaker* is jointly owned with another *GIE Owner*.

## GIE Owner's Equity Share (%)

This field is required only for jointly owned *Circuit Breakers*. Enter your entity's equity share of the *Circuit Breaker* as a percentage.

## Name, ARB ID and Equity Shares (%) of Other Co-Owners

This field is required only for jointly owned *Circuit Breakers*. Enter the name(s), ARB ID(s) (if known), and equity share(s) of all other co-owners of the *Circuit Breaker*. For example, enter "Alpha Corp., 511111, 30%. Beta Corp., Unknown ARB ID, 25%."

## Acquired after 12/31/21?

Select "Yes" or "No" from the drop-down menu to indicate whether the *Circuit Breaker* was *Acquired* after December 31, 2021. See section 95351(a) for the regulatory definition of *Acquire*. If "Yes" is selected, provide additional information about the *GIE* device in the next four columns.

### **Date Acquired (mm/dd/yyyy)**

This field is only required for *Circuit Breakers Acquired* after December 31, 2021. Enter the date the device was *Acquired* in mm/dd/yyyy format. See section 95351(a) for the regulatory definition of *Acquire*.

### **Date Purchased (mm/dd/yyyy)**

This field is only required for *Circuit Breakers Acquired* after December 31, 2021. Enter the date the device was *Purchased* in mm/dd/yyyy format. See section 95351(a) for the regulatory definition of *Purchase*.

### **Short-Circuit Current Rating (kiloamperes, kA)**

This field is only required for *Circuit Breakers Acquired* after December 31, 2021. Enter the short-circuit current rating of the device in kiloamperes (kA).

### **Used Above or Below Ground?**

This field is only required for *Circuit Breakers Acquired* after December 31, 2021. Select "Above Ground" or "Below Ground" from the drop-down menu to indicate whether the device is used above or below ground.

### **Was Device Removed from Regular Use/Transferred While in Use During Data Year?**

Select "Yes" from the drop-down menu if the *Circuit Breaker* was either *Removed from Regular Use* or *Transferred While in Use* to another entity during the *Data Year*. Otherwise, select "No." See sections 95354(c)(1) and 95354(c)(2) for the regulatory definitions of *Removed from Regular Use* and *Transferred While in Use*, respectively.

## **Worksheet: Gas Containers and Carts**

The Gas Containers and Carts worksheet captures a current and complete inventory of *Covered Gas Containers* and *Gas Carts* that contain *Covered Insulating Gas*. Enter data for all *Covered Gas Containers* and *Gas Carts* owned by, or stored on the property of, and/or used by the *GIE Owner* at any point during the *Data Year*. Requirements for weighing *Gas Containers* or *Gas Carts* are different for those that are owned by or stored on the property of the *GIE Owner* versus those that are not. For *Gas Containers* or *Gas Carts* owned by or stored on the property of the *GIE Owner*, see sections 95354(g)(1) and 95354(j)(2)-(3). For those that are neither owned by nor stored on the property of the *GIE Owner*, see sections 95354(g)(2) and 95354(j)(4). Leave this worksheet blank if there are no *Gas Containers* or *Gas Carts* to report.

## Vessel Type

Select "Gas Container" or "Gas Cart" from the drop-down menu to indicate the type of vessel storing the *Covered Insulating Gas*. See section 95351(a) for the regulatory definitions of *Gas Container* and *Gas Cart*.

## Owned by or Stored on the Property of GIE Owner?

Select "Yes" or "No" from the drop-down menu to indicate whether the *Covered Gas Container* or *Gas Cart* is owned by or stored on the property of the *GIE Owner*. Note that the answer here will affect the drop-down menu options provided in the column Reason for Measuring Amount of Gas Inside Gas Container or Gas Cart.

## Gas Container or Gas Cart ID

Enter a unique identification number for each *Covered Gas Container* and *Gas Cart* that contains a *Covered Insulating Gas*.

## Covered Insulating Gas

Select the *Covered Insulating Gas* stored in the *Gas Container* or *Gas Cart* from the drop-down menu. The options in this drop-down menu are based on the gases selected or entered in the Covered Insulating Gas section in the Facility Info worksheet.

## Covered Insulating Gas' GWP

The *GWP* of the *Covered Insulating Gas* will auto-populate once a *Covered Insulating Gas* is selected in the previous column.

## Date Gas Container Weighed (mm/dd/yyyy)

Enter the date that the *Covered Gas Container* was weighed in mm/dd/yyyy format. *Gas Containers* must be weighed at the required points in time specified in section 95354(g)(1)-(2).

## Reason for Measuring Amount of Gas Inside Gas Container or Gas Cart

Select the reason for measuring the amount of *Covered Insulating Gas* inside the *Gas Container* or *Gas Cart* from the drop-down menu. The drop-down menu will populate according to the answer provided in the "Owned by or Stored on the Property of GIE Owner?" column. For a *Gas Container* or *Gas Cart* owned by or stored on the property of the *GIE Owner*, see sections 95354(g)(1) and 95354(j)(2-3) for regulatory requirements on when and how to perform these measurements. For a *Gas Container* or *Gas Cart* neither owned by nor stored on the property of the *GIE Owner*, see sections 95354(g)(2) and 95354(j)(4) for regulatory requirements on when and how to perform these measurements.

## Amount of Covered Insulating Gas in Gas Container or Gas Cart When Measured (lb)

Enter the weight, in pounds, of *Covered Insulating Gas* in each *Gas Container* or *Gas Cart* when the required measurement was taken. The reported gas weight in the *Gas Container* or *Gas Cart* should exclude the tare weight of the *Gas Container* or *Gas Cart*, see sections 95354(g)(3) and 95354(j)(2)(B), respectively.

## Covered Insulating Gas in Gas Container or Gas Cart at the Beginning of the Data Year (lb, if applicable)

This field is only required for *Covered Gas Containers* and *Gas Carts* owned by or stored on the property of the *GIE Owner* at the beginning of the *Data Year*. Enter the weight, in pounds, of *Covered Insulating Gas* in each *Gas Container* or *Gas Cart* at the beginning of the *Data Year*. This value should match the "end of calendar year weight" for the same *Gas Container* or *Gas Cart* reported in the previous year's annual report.

## Worksheet: Emergency Events

The Emergency Events worksheet captures any CARB-approved exemptions for *Emergency Events* that occurred during the *Data Year*. See section 95351(a) and section 95357.1 for definitions and regulatory requirements related to *Emergency Events* and *Emergency Event* exemption requests. Leave this worksheet blank if there are none to report.

### Event Number

This column is pre-filled to allow for the entry of multiple *Emergency Events*, if applicable. List the information for each CARB-approved *Emergency Event* exemption separately.

### Covered Insulating Gas

Select from the drop-down menu the *Covered Insulating Gas* associated with the *Emergency Event* exemption. The options in this drop-down menu are based on those selected or entered in the *Covered Insulating Gas* section in the Facility Info worksheet.

### Covered Insulating Gas' GWP

The *GWP* of the *Covered Insulating Gas* will auto-populate once a *Covered Insulating Gas* is selected in the previous column.

### Emissions (lb)

Enter the amount of emissions, in pounds, of *Covered Insulating Gas* associated with the *Emergency Event* exemption approved by CARB.

## Emissions (MTCO<sub>2e</sub>)

The amount of emissions, in metric tons of carbon dioxide equivalent (MTCO<sub>2e</sub>), will auto-populate once the emissions, in pounds, is provided in the previous column. This field will be used to calculate the CO<sub>2e</sub> Emissions Excluding Emergency Events (MTCO<sub>2e</sub>) in the Emissions, Emissions Limit worksheet.

## Worksheet: Emissions, Emissions Limit

Data input in this worksheet will be enabled once a *Covered Insulating Gas* is selected or entered in the Facility Info worksheet. If the data input cells (light green cells) have not auto-populated, follow the instructions in the Getting Started section at the beginning of this document to unblock macros in this workbook. This worksheet captures data related to the reporting entity's emissions limit and emissions for the *Data Year*. Per section 95353(a), a *GIE Owner's* annual CO<sub>2e</sub> Emissions Excluding Emergency Events (row 44) shall not exceed their annual Emissions Limit (row 18). Enter a value in all required input cells (light green cells in this worksheet) for each *Covered Insulating Gas* reported, even if the value is zero.

## Insulating Gas

The *Covered Insulating Gas(es)* field will auto-populate, starting in column B, based on those selected or entered in the Covered Insulating Gas section in the Facility Info worksheet.

## BL CO<sub>2e</sub> Capacity<sub>12/31/2024</sub> (MTCO<sub>2e</sub>)

This field is required for *Data Year* 2025 only. The baseline (BL) CO<sub>2e</sub> Capacity<sub>12/31/2024</sub> is the *GIE Owner's* system capacity, in metric tons carbon dioxide equivalent, calculated for December 31, 2024. Per section 95353(e), start by calculating the total *Covered Insulating Gas at Activation*, in pounds, for all *Active GIE* on December 31, 2024. The input to this calculation can be found in the *Data Year* 2024 report, Non-Hermetically Sealed GIE worksheet, columns "Active on 12/31?," "Covered Insulating Gas at Activation" and, where it applies, "GIE Owner's Equity Share (%)." Convert the calculated value to units of MTCO<sub>2e</sub>. If multiple *Covered Insulating Gases* were used, calculate this value for each gas separately; convert to MTCO<sub>2e</sub>; then report the sum. Beyond 2025, this field is greyed out and does not need to be reported.

## BL CO<sub>2e</sub> Capacity<sub>12/31/2024,i-1</sub> (MTCO<sub>2e</sub>)

The Baseline (BL) CO<sub>2e</sub> Capacity<sub>12/31/2024,i-1</sub> is the *GIE Owner's* system capacity, in metric tons carbon dioxide equivalent, calculated for the prior year. For *Data Year* 2025, the value of BL CO<sub>2e</sub> capacity<sub>12/31/2024,i-1</sub> is equal to BL CO<sub>2e</sub> capacity<sub>12/31/2024</sub> and can be copied from the cell in the previous row. Beyond 2025, BL CO<sub>2e</sub> capacity<sub>12/31/2024,i-1</sub> is the BL CO<sub>2e</sub> capacity<sub>12/31/2024,i</sub> value calculated for the prior *Data Year* and can be copied from the BL CO<sub>2e</sub> capacity<sub>12/31/2024,i</sub> field in the prior year reporting form.

### **$C_{knc,j}$ (lb) and $C_{knca,j}$ (lb)**

These two fields capture any changes to the prior year's baseline system capacity associated with Nameplate Capacity Adjustment pursuant to section 95357.2. Hence, they are only applicable if any *GIE* device underwent a Nameplate Capacity Adjustment during the *Data Year*. If so, per the formula in section 95353(e)(1):

First, calculate the total *Covered Insulating Gas at Activation*, in pounds, last used in the baseline capacity calculation, (i.e., in either BL CO<sub>2e</sub> capacity<sub>12/31/2024</sub> or BL CO<sub>2e</sub> capacity<sub>12/31/2024,i-1</sub>) for the applicable *GIE* device(s) prior to the adjustment; report this value under  $C_{knc,j}$  (lb). This value will be subtracted from the prior year's baseline system capacity.

Then, calculate the new, total *Covered Insulating Gas at Activation*, in pounds, for the same *GIE* device(s) after the adjustment; report this value under  $C_{knca,j}$  (lb). This value will be added to the prior year's baseline system capacity.

If no Nameplate Capacity Adjustment was performed during the *Data Year*, enter "0" for both fields.

### **$C_{kr,j}$ (lb) and $C_{kn,j}$ (lb)**

These two fields capture any changes to the prior year's baseline system capacity associated with *GIE* meeting the following criteria:

Either *Removed from Regular Use* pursuant to section 95354(c)(1) or *Transferred While in Use* to another *GIE Owner* pursuant to section 95354(c)(2) during the *Data Year*,

and were

Either replaced with *SF<sub>6</sub> GIE* or not replaced.

For any such *GIE* devices, *kr*, add up their *Covered Insulating Gas at Activation*, in pounds, last used in the baseline capacity calculation (i.e., in either BL CO<sub>2e</sub> capacity<sub>12/31/2024</sub> or BL CO<sub>2e</sub> capacity<sub>12/31/2024,i-1</sub>); report this value under  $C_{kr,j}$  (lb). This value will be subtracted from the prior year's baseline system capacity.

Then, for *SF<sub>6</sub> GIE* devices *kn*, which are not Acquired pursuant to section 95352(a)(1) (e.g., *Acquired* prior to the phase-out date) and are used to replace *GIE* devices *kr*, add up their *Covered Insulating Gas at Activation*, in pounds, and report this value under  $C_{kn,j}$  (lb). This value will be added to the prior year's baseline system capacity.

For example, *Active GIE* device "kr" with 50 pounds of *SF<sub>6</sub>* capacity was *Removed from Regular Use* and replaced by another *SF<sub>6</sub> GIE* device "kn" of 40 pounds capacity at *Activation* and was *Acquired* prior to the phase-out date. Then  $C_{kr,j} = 50$  lb and  $C_{kn,j} = 40$  lb. If replacement device "kn" was *Acquired* via phase-out exemption, then  $C_{kr,j} = 50$  lb and  $C_{kn,j} = 0$  lb. Acquiring *SF<sub>6</sub> GIE* after the phase-out date is allowed via an approved phase-out exemption. However, the replacement capacity does not get counted towards the baseline

capacity for calculating the emissions limit. If instead, the replacement device “kn” is a vacuum device with no *Covered Insulating Gas*, then  $C_{kr,j} = 0$  lb and  $C_{kn,j} = 0$  lb. This encourages the *GIE Owner* to replace  $SF_6$  *GIE* devices with non- $SF_6$  *GIE* because the baseline capacity (which determines the emissions limit) is unchanged while the system capacity for the *GIE Owner* decreases, making it easier to comply with the Regulation.

If no *GIE* were *Removed from Regular Use* or *Transferred While in Use* to another *GIE Owner* during the *Data Year*, enter “0” in both fields.

## BL CO<sub>2e</sub> Capacity<sub>12/31/2024,i</sub> (MTCO<sub>2e</sub>)

The Baseline (BL) CO<sub>2e</sub> Capacity<sub>12/31/2024,i</sub> is the *GIE Owner’s* system capacity, in metric tons carbon dioxide equivalent, for the current *Data Year*. Following the equation in section 95353(e)(1), this value is calculated by taking BL CO<sub>2e</sub> Capacity<sub>12/31/2024,i-1</sub>, the baseline capacity of the prior year, factoring in any Nameplate Capacity Adjustments during the *Data Year* ( $C_{knc,j}$  and  $C_{knca,j}$  terms), and subtracting and adding any applicable replacements during the *Data Year* ( $C_{kr,j}$  and  $C_{kn,j}$  terms). This field will be auto-calculated once the data for the previous five rows are provided. This value is used as the BL CO<sub>2e</sub> Capacity<sub>12/31/2024,i-1</sub> term in the next *Data Year*.

## Average System Capacity (lb)

**IMPORTANT NOTE:** Although the calculation method for Average System Capacity is the same as in prior years, the *GIE* devices that get counted toward Average System Capacity for *Data Years* 2025 and beyond are likely different from prior years. For 2025 and beyond, the Average CO<sub>2e</sub> capacity is calculated only for *GIE* devices meeting the following criteria:

- (1) *GIE* that were not included in the baseline system capacity calculated for December 31, 2024 (i.e., BL CO<sub>2e</sub> Capacity<sub>12/31/2024</sub> in Row 5);
- (2) *GIE* that did not replace a *GIE* device included in BL CO<sub>2e</sub> Capacity<sub>12/31/2024</sub> in Row 5; and
- (3) *GIE* that were not *Acquired* through the phase-out exemption process or in response to a failure pursuant to section 95353(a)(1), either by the *GIE Owner* or by a previous owner of the *GIE* device.

For most *GIE Owners* who have been reporting to this Regulation, most of their *GIE* devices were *Active GIE* on December 31, 2024. Hence, the *Covered Insulating Gas at Activation* of those devices would be accounted for in the baseline BL CO<sub>2e</sub> Capacity<sub>12/31/2024</sub> term and should not be double counted in the Average System Capacity term. Examples of *GIE* devices that would be counted in the Average System Capacity term include, but are not limited to, *Active GIE Acquired* after December 31, 2024 but before the applicable phase-out date, or non-active *GIE* in the *GIE Owner’s* spare inventory that is made *Active GIE* after December 31, 2024 for a new project (e.g., not as a replacement to another *GIE* included in the BL CO<sub>2e</sub> Capacity<sub>12/31/2024</sub> term).

Calculate the Average System Capacity, in pounds, for the applicable *GIE* using the equation found in section 95353(b). Report this value separately for each *Covered Insulating Gas* used, if applicable. As a reminder, the Average System Capacity is not the mean capacity of all *GIE* devices. The equation in section 95353(b) considers the *Covered Insulating Gas at Activation* for each *GIE* device that was *Active* at some point during the *Data Year*, prorated by the number of days *Active* during the *Data Year*, then sums these values. See section 95351(a) for the regulatory definition of *Active GIE*; note that *Hermetically Sealed GIE* are not *Active GIE* and should not be included in the calculation.

### Average CO<sub>2e</sub> Capacity (MTCO<sub>2e</sub>)

The Average CO<sub>2e</sub> Capacity, in metric tons of carbon dioxide equivalent, will auto-calculate when the Average System Capacity (row 12) is provided, using the equation found in section 95353(c).

### Early Action Credit (EAC<sub>i</sub>, MTCO<sub>2e</sub>)

This field is applicable to *GIE Owners* who elect to claim Early Action Credit. Calculate and report Early Action Credit (EAC<sub>i</sub>) being claimed, in metric tons of carbon dioxide equivalent, using the equation in section 95353(d). If no credit is being claimed, enter "0."

### Data Year 2021 Average CO<sub>2e</sub> Capacity (MTCO<sub>2e</sub>)

This field is required only for entities who elect to claim Early Action Credit. Enter the Average CO<sub>2e</sub> Capacity submitted in the entity's *Data Year* 2021 annual report, in metric tons of carbon dioxide equivalent. Per section 95353(f), the total amount of Early Action Credit cannot exceed 10 percent of the *GIE Owner's Data Year* 2021 average CO<sub>2e</sub> capacity. This value is used to determine the actual amount of Early Action Credit the *GIE Owner* can claim.

### EAC<sub>≤10</sub> (MTCO<sub>2e</sub>)

The EAC<sub>≤10</sub>, in metric tons of carbon dioxide equivalent, will be auto-calculated based on information reported in the previous two rows (rows 14 and 15). This field calculates the amount of Early Action Credit the entity is allowed to apply towards their emissions limit per section 95353(f).

### BL CO<sub>2e</sub> Capacity<sub>i</sub> (MTCO<sub>2e</sub>)

The Baseline (BL) CO<sub>2e</sub> Capacity<sub>i</sub> is the system capacity, in metric tons of carbon dioxide equivalent, for the *GIE Owner* in that *Data Year*. This field is auto-calculated based on information reported under BL CO<sub>2e</sub> capacity<sub>12/31/2024,i</sub> (row 11), Average System Capacity (row 13), and EAC<sub>≤10</sub> (row 16), using the equation found in section 95353(f).

## Emissions Limit (MTCO<sub>2e</sub>)

The Emissions Limit, in metric tons of carbon dioxide equivalent, will be auto-calculated based on the entity's BL CO<sub>2e</sub> Capacity<sub>i</sub> (row 17) and Annual Emission Factor (tables 4 and 5 of the Regulation), using the equation found in section 95353(g)(2) and provision in 95353(h). The Emissions Limit is compared to the *GIE Owner's* annual CO<sub>2e</sub> Emissions Excluding Emergency Events (row 44) to determine compliance pursuant to section 95353(a).

## Insulating Gas

The *Covered Insulating Gas(es)* will auto-populate, starting in column B, based on those selected or entered in the Covered Insulating Gas section in the Facility Info worksheet. Entries to rows 22 to 42 calculate a *GIE Owner's* annual emissions, for each *Covered Insulating Gas*, pursuant to the equation in section 95354.1(a).

## Decrease in inventory

This field will be auto-calculated based on information reported for the next two rows (rows 23-24). It is the amount of *Covered Insulating Gas* stored in *Gas Containers* and *Gas Carts* (but not in *GIE*) at the beginning of the *Data Year* minus that at the end of the *Data Year*.

## Covered insulating gas stored in containers/carts at the beginning of the data year

If the entity owns or stores on its property any *Covered Gas Containers* or *Gas Carts*, enter the amount, in pounds, of *Covered Insulating Gas* stored in the *Gas Containers* or *Gas Carts*, but not in *GIE*, at the beginning of the *Data Year*. This value should also match the total end of calendar year weight of gas stored in *Gas Containers* or *Gas Carts* reported in the previous year's annual report. If the entity does not own or store on its property any *Covered Gas Containers* or *Gas Carts*, enter "0."

## Covered insulating gas stored in containers/carts at the end of the data year

If the entity owns or stores on its property any *Covered Gas Containers* or *Gas Carts*, enter the amount, in pounds, of *Covered Insulating Gas* stored in the *Gas Containers* or *Gas Carts*, but not in *GIE*, at the end of the *Data Year*. If the entity does not own or store on its property any *Covered Gas Containers* or *Gas Carts* during the *Data Year*, enter "0."

## Acquisitions

This field will be auto-calculated based on information reported for the next four rows (rows 26-29). It is the sum of the amount of *Covered Insulating Gas(es)* obtained by the *GIE Owner* through multiple venues (described in the next four rows) during the *Data Year*.

### **Covered insulating gas obtained in bulk from chemical producers, distributors, or other entities**

Enter the amount, in pounds, of *Covered Insulating Gas* obtained in bulk (e.g., in *Gas Containers* or *Gas Carts*) during the *Data Year* from chemical producers, distributors, or other entities. If none were obtained, enter "0."

### **Covered insulating gas inside GIE when acquired, for any GIE that became active for the first time during the data year**

Enter the amount, in pounds, of *Covered Insulating Gas* inside *GIE* when *Acquired*, for any *GIE* that became *Active* for the first time during the *Data Year*. If no *GIE* became *Active* for the first time during the *Data Year*, enter "0."

### **Covered insulating gas at activation for active GIE transferred while in use from another entity**

Enter the amount, in pounds, of *Covered Insulating Gas at Activation for Active GIE Transferred While in Use* during the *Data Year* from another entity pursuant to section 95354(c)(2). See section 95351(a) for the regulatory definitions of *Active GIE* and *Covered Insulating Gas at Activation*. If no *Active GIE* were *Transferred While in Use* from another entity during the *Data Year*, enter "0."

### **Covered insulating gas returned to site after off-site recycling**

Enter the amount, in pounds, of *Covered Insulating Gas* returned to *GIE Owner's* site (e.g., in *Gas Containers* or *Gas Carts*) during the *Data Year* after off-site recycling. If none were returned, enter "0."

### **Disbursements**

This field will be auto-calculated based on information reported for the next five rows (rows 31-35). It is the sum of the amount of *Covered Insulating Gas(es)* disbursed by the *GIE Owner* through multiple venues (described in the next five rows) during the *Data Year*.

### **Covered insulating gas at activation for active GIE transferred while in use to another entity**

Enter the amount, in pounds, of *Covered Insulating Gas at Activation for Active GIE Transferred While in Use* during the *Data Year* to another entity pursuant to section 95354(c)(2). If no *Active GIE* were *Transferred While in Use* to another entity during the *Data Year*, enter "0."

### **Covered insulating gas returned to suppliers**

Enter the amount, in pounds, of *Covered Insulating Gas* returned to suppliers (e.g., in *Gas Containers* or *Gas Carts*) during the *Data Year*. If none were returned, enter "0."

### **Covered insulating gas sent off site for recycling**

Enter the amount, in pounds, of *Covered Insulating Gas* sent off site for recycling (e.g., in *Gas Containers* or *Gas Carts*) during the *Data Year*. If none were sent off, enter "0."

### **Covered insulating gas sent to destruction facilities**

Enter the amount, in pounds, of *Covered Insulating Gas* sent to destruction facilities (e.g., in *Gas Containers* or *Gas Carts*) during the *Data Year*. If none were sent off, enter "0."

### **Covered insulating gas sent to other entities**

Enter the amount, in pounds, of *Covered Insulating Gas* sent to other entities (e.g., in *Gas Containers* or *Gas Carts*) during the *Data Year*. If none were sent off, enter "0."

### **Net increase in total capacity of active GIE owned and filled with covered insulating gas**

This field will be auto-calculated based on information reported for the next four rows (rows 37- 40). This is the sum of *Covered Insulating Gas at Activation* for *Active GIE* added to the inventory ("added") minus the sum of *Covered Insulating Gas at Activation* for *GIE* removed from the inventory ("removed") during the *Data Year*. As detailed in the next four terms, the ("added") portion includes *GIE* that became *Active* for the first time, became *Active* after previously being considered as *Removed from Regular Use*, and *Transferred While in Use* from another entity; whereas the ("removed") portion includes *GIE* that were *Removed from Regular Use* and *Transferred While in Use* to another entity.

### **Covered insulating gas at activation for GIE whose status changed to active for the first time or after being considered removed from regular use**

Enter the amount, in pounds, of *Covered Insulating Gas at Activation* for *GIE* that, during the *Data Year*, became *Active* for the first time or became *Active* after previously being considered as *Removed from Regular Use* pursuant to section 95354(c)(1). If no *GIE* satisfy either criterion, enter "0."

### **Covered insulating gas at activation for GIE removed from regular use**

Enter the amount, in pounds, of *Covered Insulating Gas at Activation* for *GIE Removed from Regular Use* during the *Data Year* pursuant to section 95354(c)(1). If no *GIE* were *Removed from Regular Use*, enter "0."

### **Covered insulating gas at activation for active GIE transferred while in use to another entity**

Enter the amount, in pounds, of *Covered Insulating Gas at Activation* for *Active GIE Transferred While in Use* during the *Data Year* to another entity pursuant to section

95354(c)(2). This value should be equal to that entered for the same field (row 31) under the Disbursement category. If no *Active GIE* were *Transferred While in Use* to another entity during the *Data Year*, enter "0."

### Covered insulating gas at activation for active GIE transferred while in use from another entity

Enter the amount, in pounds, of *Covered Insulating Gas at Activation for Active GIE Transferred While in Use* during the *Data Year* from another entity pursuant to section 95354(c)(2). This value should be equal to that entered for the same field (row 28) under the Acquisition category. If no *Active GIE* were *Transferred While in Use* from another entity during the *Data Year*, enter "0."

### Annual Emissions (lb)

Calculate and report the amount, in pounds, of annual emissions using the equation found in section 95354.1(a) for each *Covered Insulating Gas*. If there were no emissions during the *Data Year*, enter "0."

### CO<sub>2</sub>e Emissions (MTCO<sub>2</sub>e)

This field will be auto-calculated when the Annual Emissions for each *Covered Insulating Gas* (row 42) is provided, using the equation found in section 95354.1(b).

### CO<sub>2</sub>e Emissions Excluding Emergency Events (MTCO<sub>2</sub>e)

This field will be auto-calculated using the equation found in section 95354.1(c). This value is the CO<sub>2</sub>e Emissions (row 43) minus the sum of emissions (in MTCO<sub>2</sub>e) from the CARB-approved *Emergency Event* exemptions entered in the Emergency Events worksheet. The entity's annual MTCO<sub>2</sub>e Emissions Excluding Emergency Events is compared to the Emissions Limit (row 18) to determine compliance per section 95353(a).

## Worksheet: Nameplate Cap Adjustment

The Nameplate Capacity Adjustment worksheet applies to *GIE Owners* who performed a Nameplate Capacity Adjustment to their GIE device(s) during the *Data Year*. This worksheet lists the *GIE Owner's GIE* devices that underwent a Nameplate Capacity Adjustment during the *Data Year*. Review the provisions in section 95357.2 for detailed requirements, including the submission of a notification to CARB prior to performing adjustments. Per section 95357.2(e), starting in the *Data Year* when the adjustment process is performed, the adjusted *Nameplate Capacity* value must be used in all provisions where *Nameplate Capacity* is required to be recorded, reported, or used in calculations under the Regulation. Any *GIE* that underwent Nameplate Capacity Adjustments should also be reported in the Non-Hermetically Sealed GIE worksheet of this reporting form using the updated *Nameplate Capacity*. Leave this worksheet blank if there are no Nameplate Capacity Adjustments to report.

## Serial Number

Enter the serial number of the *GIE* device, which is usually found on the nameplate affixed to the device, that underwent a Nameplate Capacity Adjustment process during the *Data Year*. If the serial number is unknown or is a duplicate of another device, use a unique identifier and retain documentation that allows the *GIE* device to be readily identifiable, per section 95354(a)(3).

## Date Process Completed (mm/dd/yyyy)

Enter the date, during the *Data Year*, that the Nameplate Capacity Adjustment process was performed for each applicable *GIE* device.

## Pressure Reading 5 min after Achieving Blank-Off Pressure

Enter the pressure reading of the *GIE* device at five minutes after achieving *Blank-off Pressure* during the adjustment process pursuant to section 95357.2(c)(5). See section 95351(a) for the regulatory definition of *Blank-off Pressure*.

## Blank-Off Pressure for the GIE Device

Enter the *Blank-Off Pressure* for the *GIE* device, which is usually found in product specification sheets or directly communicated and documented by the manufacturer. See section 95351(a) for the regulatory definition of *Blank-off Pressure*.

## Blank-Off Pressure of the Gas Cart

Enter the *Blank-off Pressure* of the *Gas Cart* used to perform the Nameplate Capacity Adjustment process. The *Blank-off Pressure* of the *Gas Cart* may be found in product specification sheets or directly communicated and documented by the manufacturer. See section 95351(a) for the regulatory definition of *Blank-off Pressure*.

## Unit of Measure for Pressure Readings

Enter the unit of measure used for the pressure readings reported in the previous three columns. Use a consistent unit of measure across the three readings.

## Was Device Removed from Regular Use without a Nameplate Capacity Adjustment due to Compromised Integrity?

Select "Yes" from the drop-down menu if the *GIE* device planned for Nameplate Capacity Adjustment was *Removed from Regular Use* without going through the process due to compromised integrity, pursuant to section 95357.2(b)(3). Otherwise, select "No." See section 95354(c)(1) for the regulatory definition of *Removed from Regular Use*.

## Worksheet: Replacement Parts

The Replacement Parts worksheet is for reporting SF<sub>6</sub>-containing *Replacement Parts* installed during the *Data Year* on *Active SF<sub>6</sub> GIE* for which the phase-out date has passed, as required beginning on January 1, 2025. See section 95351(a) for the regulatory definition of *Replacement Parts*. Leave this worksheet blank if there are no *Replacement Parts* to report.

### Serial Number of SF<sub>6</sub> GIE Device

Enter the manufacturer's serial number of the SF<sub>6</sub> GIE device for which a *Replacement Part* was installed during the *Data Year* on an *Active SF<sub>6</sub> GIE* device for which the phase-out date has passed.

### Name/Description of Replacement Part

Enter the name and description of the *Replacement Part* (e.g., bushing) installed during the *Data Year*.

### SF<sub>6</sub> capacity of Replacement Part (lb, if available)

Enter the SF<sub>6</sub> capacity of the *Replacement Part*, in pounds, if available.