

FINAL REGULATION ORDER

Adopt new section 95356 of Subarticle 3.1, Regulation for Reducing Sulfur Hexafluoride Emissions from Gas Insulated Switchgear, title 17, California Code of Regulations, to read as follows:

Subchapter 10. Climate Change

Article 4. Regulations to Achieve Greenhouse Gas Emission Reductions

Subarticle 3.1. Regulation for Reducing Sulfur Hexafluoride Emissions from Gas Insulated Switchgear

[Note: All of the text below is new language to be added to the California Code of Regulations (CCR)]

§ 95356. Annual Reporting Requirements.

- (a) By June 1, 2012, and June 1st of each year thereafter, each GIS owner must submit an annual report to the Executive Officer for emissions that occurred during the previous calendar year.
- (b) The annual report must contain all of the following information:
 - (1) Reporting entity name, physical address, and mailing address;
 - (2) Location of records and documents maintained in California if different from the reporting entity's physical address.
 - (3) Name and contact information including e-mail address and telephone number of the person submitting the report, and the person primarily responsible for preparing the report;
 - (4) The year for which the information is submitted;
 - (5) A signed and dated statement provided by the appropriate responsible official that the information has been prepared in accordance with this subarticle, and that the statements and information contained in the submitted emission data are true, accurate, and complete.
 - (6) Annual SF₆ emissions as calculated using the equation specified in subsection (d), below;
 - (7) Annual SF₆ emission rate as calculated using the equation specified in subsection (e), below;

- (8) A gas insulated switchgear inventory report containing the information required by section 95355, subsections (a)(1) through (a)(10); and
 - (9) A gas container inventory report containing the information required by section 95355, subsections (b)(1) through (b)(4).
- (c) The annual report shall be submitted to the Executive Officer as follows:
- (1) GIS owners subject to the requirements of title 17, California Code of Regulations, section 95100 *et seq.*, shall use the ARB Greenhouse Gas Reporting Tool or other mechanism, as specified in title 17, California Code of Regulations, section 95104.
 - (2) GIS owners not subject to the requirements of title 17, California Code of Regulations, section 95100 *et seq.*, may either:
 - (A) Use the ARB's Greenhouse Gas Reporting tool, or other mechanism, as specified in title 17, California Code of Regulations, section 95104; or
 - (B) Submit reports in writing to ARB through the US Postal Service, electronic mail or by personal delivery.
- (d) *Annual SF₆ Emissions.* GIS owners must use the following equation to determine their SF₆ emissions:

Equation for determining annual SF₆ emissions:

$$\text{User Emissions} = (\text{Decrease in SF}_6 \text{ inventory}) + (\text{Acquisitions of SF}_6) - (\text{Disbursements of SF}_6) - (\text{Net increase in total nameplate capacity of active GIS equipment owned}).$$

Where:

$$\text{Decrease in SF}_6 \text{ inventory} = (\text{SF}_6 \text{ stored in containers, but not in equipment, at the beginning of the year}) - (\text{SF}_6 \text{ stored in containers, but not in equipment, at the end of the year}).$$

$$\text{Acquisitions of SF}_6 = (\text{SF}_6 \text{ purchased in bulk from chemical producers, distributors, or other entities}) + (\text{SF}_6 \text{ purchased from equipment manufacturers, distributors, or other entities with or inside active GIS equipment}) + (\text{SF}_6 \text{ returned to site after off-site recycling}).$$

$$\text{Disbursements of SF}_6 = (\text{SF}_6 \text{ in bulk and contained in active GIS equipment that is sold to other entities}) + (\text{SF}_6 \text{ returned to suppliers}) + (\text{SF}_6 \text{ sent off site for recycling}) + (\text{SF}_6 \text{ sent to destruction facilities}).$$

Net increase in total nameplate capacity of active GIS equipment owned =
 (The nameplate capacity of new active GIS equipment) - (Nameplate
 capacity of retiring active GIS equipment).

- (e) *Annual SF₆ Emission Rate.* GIS owners shall use the following equations to determine their SF₆ emission rate.

Equation for determining emissions rate:

$$ER = \frac{\text{Emissions}}{C_{avg}}$$

Where: ER = Emission Rate
 Emissions = Annual emissions per subsection (d) (lbs)
 C_{avg} = Average system nameplate capacity as expressed in the equation below (lbs)

$$C_{avg} = \frac{\sum_{i=1}^n (d_i C_i)}{365}$$

Where: C_{avg} = The average system nameplate capacity (lbs)
 n = The number of GIS devices
 d_i = The number of days during the year the GIS device was in active service
 C_i = The nameplate capacity (lbs) of the GIS device

NOTE: Authority cited: Sections 38510, 38560, 38580, 39600, and 39601, Health and Safety Code. Reference: Sections 38560, 39600, and 39601, Health and Safety Code.