ATTACHMENT 1

PROPOSED SECOND 15-DAY MODIFICATIONS

REGULATION FOR REDUCING SULFUR HEXAFLUORIDE EMISSIONS FROM GAS INSULATED SWITCHGEAR

Note: Shown below are the modifications to the originally proposed regulatory language of section 95356, title 17, California Code of Regulations, as set forth in Appendix A to the Staff Report: Initial Statement of Reasons, released January 8, 2010. The originally proposed regulatory language is indicated by plain type. The first proposed 15-day modifications were released on September 9, 2010 and are shown in underline to indicate additions to the original proposal and ~~strikethrough~~ to indicate deletions. The second proposed 15-day modifications to section 95356 are shown in double underline to indicate additions and ~~double strikethrough~~ to indicate deletions. Sections 95350, 95351, 95352, 95353, 95354, 95355, 95357, 95358, and 95359 were approved by the Office of Administrative Law on February 2, 2011, and are currently in effect.

Adopt section 95356, 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

§ 95356. Annual Reporting Requirements.

(a) ~~Beginning in calendar year~~ ~~2011~~ By June 1, 2012, and June 1st of each year thereafter, each GIS owner must submit the following annual report to the Executive Officer for emissions that occurred~~ing~~ during the previous calendar year~~, and each calendar year thereafter, each GIS owner must submit the following annual report to the Executive Officer no later than the applicable deadline specified in title 17, California Code of Regulations, Ssection 95100, *et seq*~~.

(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 SF_6 emissions as calculated using the equation specified in subsection (d), below;

(7) Annual SF_6 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)~~(8)~~~~(11)~~(10); and

(9) A gas container inventory report containing the information required by Section 95355~~(b)~~, 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, ~~S~~section~~s~~ 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~~(e).~~

(2) GIS owners not subject to the requirements of title 17, California Code of Regulations, ~~S~~section~~s~~ 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 ~~r~~Regulations, section 95104~~(e)~~; or

(B) Submit reports in writing to ARB through the US Postal Service, electronic mail or by personal delivery.

(d) *Annual SF_6 Emissions*. GIS owners must use the following equation to determine their SF_6 emissions:

Equation for determining annual SF_6 emissions:

User Emissions = (Decrease in SF_6 inventory) + (Acquisitions of SF_6) − (Disbursements of SF_6) − (Net increase in total nameplate capacity of ~~non-hermetically sealed~~ active GIS equipment owned).

Where:

Decrease in SF_6 inventory = (SF_6 stored in containers, but not in equipment, at the beginning of the year) - (SF_6 stored in containers, but not in equipment, at the end of the year).

Acquisitions of SF_6 = (SF_6 purchased in bulk from chemical producers, ~~or~~ distributors ~~in bulk~~, or other entities) + (SF_6 purchased from equipment manufacturers, ~~or~~ distributors, or other entities with or inside ~~non-hermetically sealed~~ active GIS equipment) + (SF_6 returned to site after off-site recycling).

Disbursements of SF_6 = (SF_6 in bulk and contained in ~~non-hermetically sealed~~ active GIS equipment that is sold to other entities) + (SF_6 returned to suppliers) + (SF_6 sent off site for recycling) + (SF_6 sent to destruction facilities).

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

~~(Note that nameplate capacity refers to the manufacturer's SF_6 design capacity rather than to the actual charge, which may reflect leakage.)~~

(e) *Annual SF_6 Emission Rate.* GIS owners shall use the following equations to determine their SF_6 emission rate.

Equation for determining emissions rate:

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

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.