

APPENDIX 5.7-A
SF6 EMISSIONS CALCULATIONS

Appendix 4.7-A: SF₆-Insulated Breaker Emissions - Greenhouse Gas

Equipment	Qty.	SF6 Capacity (lbs/breaker)	Leak Rate	Emissions (metric tons/year)	
				SF6	CO2e
Circuit Breaker, 69kV	13	128	1.0%	0.0075	180.4
Circuit Breaker, 230kV	5	161	1.0%	0.0037	87.3
Total				0.0112	268

Notes:

The Global Warming Potential of SF6 is 23,900 (CFR Title 40 Part 98 Subpart A).

The 69kV Circuit Breakers to be used are rated for 138kV.