

$$HFC = INV_{begin} - INV_{end} + PURCHASES - SALES + \Delta CAP$$

Where:

HFC = Annual fugitive emissions of HFC attributable to cooling units used in electricity production, in metric tons;

INV_{begin} = Quantity of HFC in storage at the beginning of the year, in metric tons;

INV_{end} = Quantity of HFC in storage at the end of the year, in metric tons;

PURCHASES = Quantity of HFC purchased from other facilities or establishments during the year, in metric tons;

SALES = Quantity of HFC sold or otherwise transferred offsite to other facilities or establishments during the year, in metric tons;

ΔCAP = The net change in the total nameplate capacity (i.e. the full and proper charge) of the cooling equipment, in metric tons. The net change in capacity will be negative if the total nameplate capacity at the end of the year is less than the total nameplate capacity at the beginning of the year.