

# Sulphur Hexafluoride - SF<sub>6</sub>

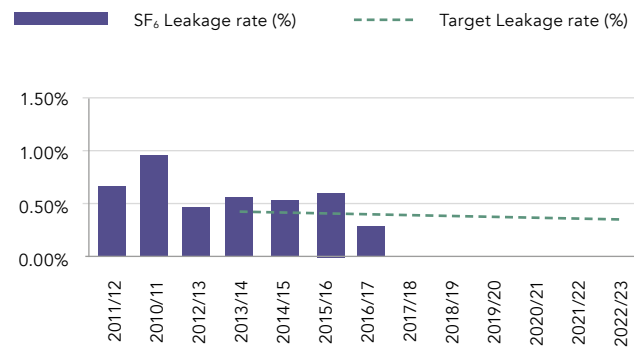
SF<sub>6</sub> gas is used throughout our industry as an insulating medium in switchgear. Although it provides many benefits it is a potent greenhouse gas (1kg SF<sub>6</sub> is equivalent to 22 800kg CO<sub>2</sub>).

There are currently no viable alternatives to SF<sub>6</sub> for certain smaller types of switchgear.

We will continue to replace older oil filled switchgear with SF<sub>6</sub> insulated switchgear and predict that our total SF<sub>6</sub> bank will be approximately 23,000kg by 2023 – an increase of 10,000kg on our baseline year.

The graph shows that the volume of SF<sub>6</sub> leaked annually is very small at less than 1%.

SF<sub>6</sub> leakage rate v ED1 Target WPD Total



During ED1 we have committed to;

- Reducing the rate of leakage of SF<sub>6</sub> by 17%. The target is based on a four year average of emissions.
- Replacing any 11kV distribution assets that show signs of leakage and any higher voltage assets that have leaked three times.

“  
ANNUAL SF<sub>6</sub> LEAKS  
RATES ARE  
CONSISTENTLY  
BELOW 1%”

