

# HFCs AND THE KIGALI AMENDMENT

**HFCs** (hydrofluorocarbons) are industrial greenhouse gases (GHGs) primarily used in air conditioning and refrigeration. They have a high global warming potential of **50-14,800 x t<sub>CO2e</sub>\*** and are growing at a rate of **10%-15% p.a.**

The **KIGALI AMENDMENT** of the Montreal Protocol, agreed in 2016:

- Requires **gradual** but **incomplete** HFC reduction over 2019-2047
- Imposes **binding** emission caps on countries

\* **t<sub>CO2e</sub>** = CO<sub>2</sub> equivalent; a measure of the global warming potential of a GHG based on the amount of CO<sub>2</sub> that would have the same warming effect.

# THE OPPORTUNITY

The Kigali Amendment is an important step but a **more rapid phase out** of HFCs is achievable and represents a '**low hanging fruit**' for climate action



Kigali is projected to prevent up to **100 billion t<sub>CO2e</sub>** of HFCs by 2050 – faster HFC reduction has the potential to **double** this

Such a phase out would be very **cost effective**, as abatement is estimated to cost between:

**\$0.05 - \$0.54/**

**t<sub>CO2e</sub>**

# HOW IT WILL WORK

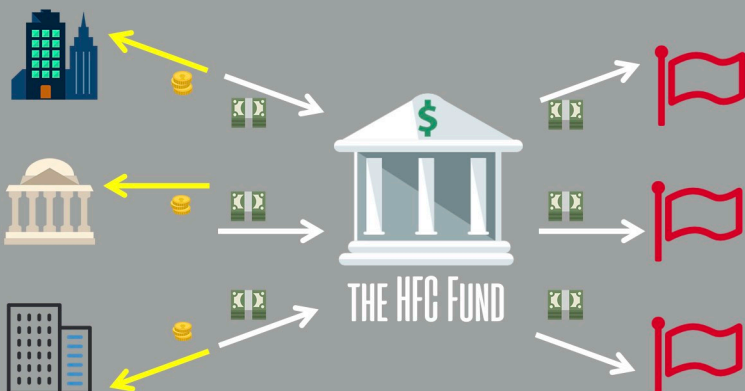
Fund **pays countries**

**\$1 / t<sub>CO2e</sub>**

for HFC emission cuts below Kigali caps

Payments financed by **voluntary contributions** of financing partners e.g. corporates and governments

Financing partners get **Carbon Credits**



Money Carbon Credits

**THE HFC PILOT**  
of the Climate Moonshot Initiative:  
paying governments to reduce net greenhouse gas emissions using a novel financing mechanism

# WHY DO IT?

NOTHING BUT **UPSIDE**

Climate benefit potential up to an additional **100 billion t<sub>CO2e</sub>** prevented by 2050. That is 6% - 10% of the GHG reduction needed by 2050

An opportunity for countries with no commitment required: '**only carrots, no sticks**'



**Inexpensive Carbon Credits** for financing partners

Provides a proof of concept for the main initiative, the **Climate Moonshot**

For more information, please visit:  
[www.climateopportunityinitiative.org](http://www.climateopportunityinitiative.org)