

CHAMPAIGN, ILLINOIS

Hudson Technologies Refrigerant Reclamation Project



Standard: [American Carbon Registry](#)

400K

Pounds
reclaimed

200K

Credits
generated

1

Facility

Refrigeration is ubiquitous in today's society. We depend on refrigeration to process, store and transport food, operate air conditioners, and preserve technologies across sectors. The most commonly used refrigerants today are hydrofluorocarbons, or HFCs.

While HFCs are safer for the ozone layer compared to historically used refrigerants, they are still a powerful greenhouse gas when released into the atmosphere. However, in the U.S., there are no restrictions on production and little incentive for recovery because new HFCs are inexpensive. One way to reduce these emissions is to reclaim and reuse HFC refrigerants.

Hudson Technologies is a refrigerant services company reclaiming used refrigerants from end-of-life products. Hudson processes the refrigerant to remove oil and water so that it meets specifications for new refrigerant gas. Once restored to meet the qualifications of new refrigerants, they are sold for use in the maintenance of existing products and newly manufactured products.

Re-using HFCs displaces the new production of refrigerant that would otherwise be manufactured to meet current demand.

Sustainable Development Impacts



With patented and proprietary technology, Hudson is an industry leader in refrigerant reclamation.



The project promotes responsible HFC consumption in the absence of regulations.



Reclaimed HFC displaces new refrigerant production and the resulting emissions. To date, the project has reduced 200,000 tons of CO₂e.

Location

