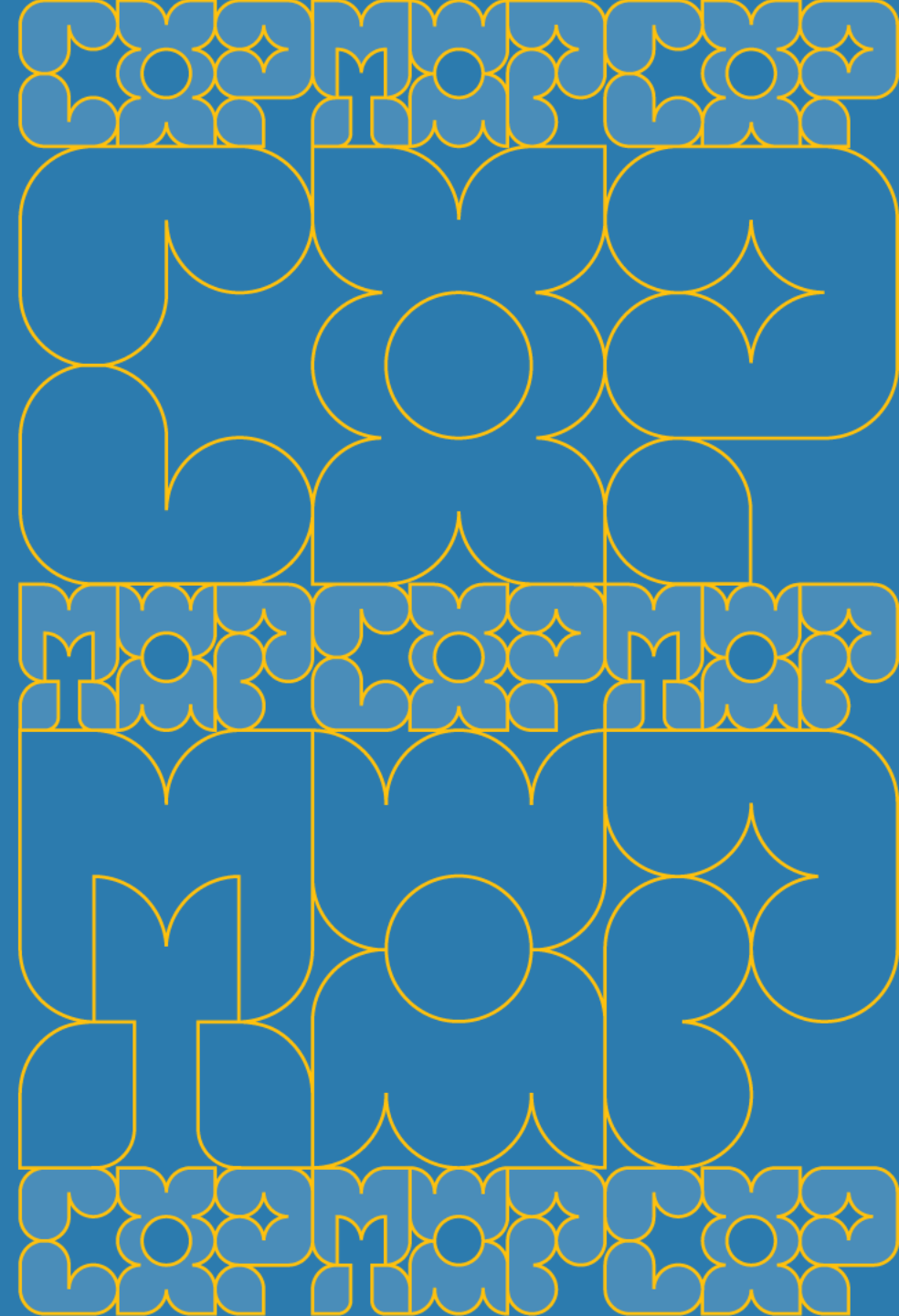


# COUNTRY EXPERIENCES WITH LIFE- CYCLE REFRIGERANT MANAGEMENT

COUNTRY: **UNITED STATES OF AMERICA**

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# Overview of National LRM Framework: HFC Emissions Reduction & Reclamation Program

For the Refrigeration, Air Conditioning, and Heat Pump (RACHP) sector:



## Leak Repair

Suite of leak repair provisions for certain refrigerant-containing appliances, including ensuring that applicable leak rates are not exceeded



## Automatic Leak Detection

Certain new and existing appliances must install and use ALD systems



## Service/Repair with Reclaim

Servicing and/or repair of refrigerant-containing equipment must be done with reclaimed HFCs in supermarket systems, refrigerated transport, and automatic commercial ice makers



## Reclamation Standard

Reclaimed HFC refrigerants can contain no more than 15% virgin HFCs, by weight and must be labeled



## Disposable Cylinders

Removal of HFCs from certain disposable cylinders prior to discarding them



## Recordkeeping, Reporting, and Labeling

For certain provisions

# Other Lifecycle Refrigerant Management Initiatives



- GreenChill – voluntary partnership program with food retailers (supermarkets) to reduce refrigerant emissions and decrease stores' impact on the ozone layer and climate
  - Partners go beyond requirements of regulations to lower their greenhouse gas footprint



- HFC Reclaim and Innovative Destruction Grants – \$15 million to 5 entities to develop projects for HFC reclamation and innovative destruction technologies

# Key Lessons Learned and Future Plans



**Stakeholder  
engagement and  
outreach**



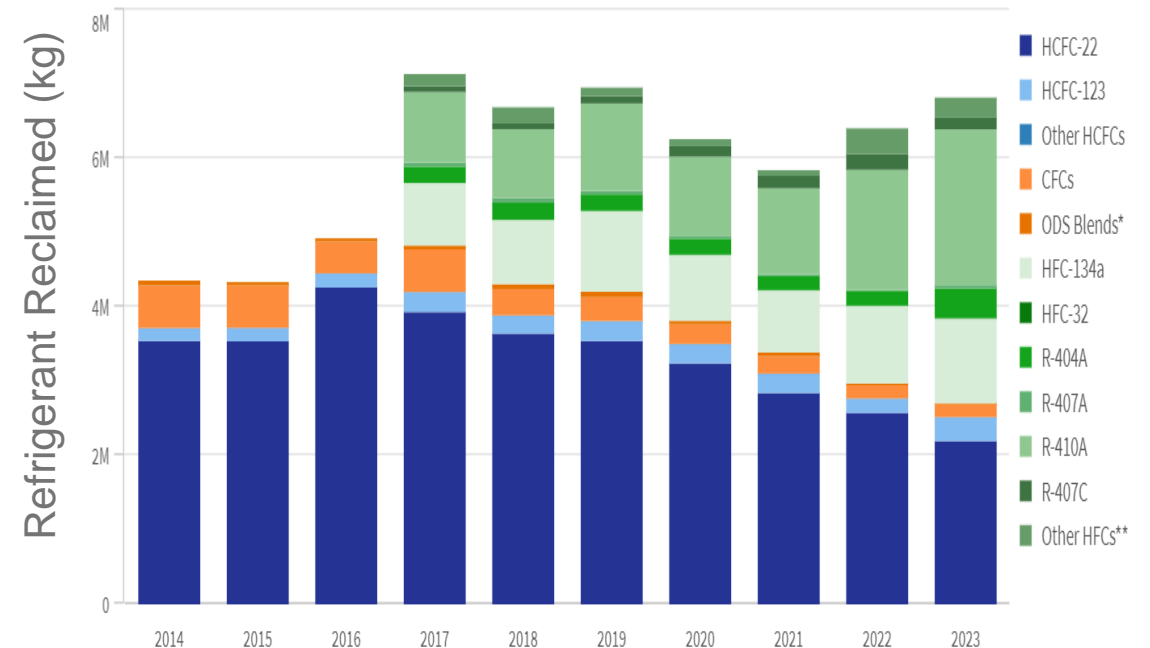
**Use multiple  
approaches, e.g.  
regulatory and  
voluntary**



**Start and  
strengthen**



**Data transparency**



Data online at: <https://www.epa.gov/section608/summary-refrigerant-reclamation-trends>

Thank you!

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