



Changing State of Refrigerants – Digest 2020-12a

CARB Updates their HFC Refrigerant Phase out plan for Refrigeration and AC
*Resolution 20-37 (12-10-20) proposed the changes highlighted below

Background:

On December 10th, the California Air Resources Board (CARB) voted to approve regulations to phase out the use of HFC refrigerants in Retail Food Facilities (Super Markets) Industrial Refrigeration/Cold Storage and Stationary Air Conditioning.

Retail Food Facilities/Supermarkets :

Effective 1-1-2022: New and Fully Remodeled Facilities with individual system charges of 50lbs or greater must use a refrigerant that is below 150 GWP. This will require the use of Natural refrigerants such as Co2 or Ammonia.

For **Existing Facilities**, the regulation requires operators reduce their installed refrigerant inventory, to a companywide-weighted average below 1400 GWP by 2030. To accomplish this, they will need to use a combination of low GWP HFO refrigerant retrofits and natural refrigerant remodels.

Industrial Refrigeration/Cold Storage:

Effective 1-1-2022: New and Fully Remodeled **Industrial Process Facilities** must use a refrigerant below 2200 GWP.

Cold Storage Facilities must use a refrigerant below 1500 GWP.

Stationary Air Conditioning Equipment:

Effective: 1-1-2023* Air Conditioning Equipment Manufacturers must use a minimum of **10% reclaimed R410a** in all new systems sold in California. This rule is subject to CARB's new Refrigerant Recovery, Recycle and Reuse (R4) Program.

The 10% reclaim rule was added to account for the delay in the 750 GWP AC adoption

Effective: 1-1-2025* New Air Conditioning systems must use a refrigerant with a refrigerant **Below 750 GWP**.

This effective date was modified from 2023 pending Code approval for A2L Refrigerants

The final draft of these rules is now expected to be published in Q2-2021

For more info go to <http://www.rsd.net/refrigerantsuite/index.php> or call **800-245-8007 ex 00405**

For the full fact sheet go to <https://ww2.arb.ca.gov/rulemaking/2020/hfc2020>