European Commission

Excerpt for participants:

Monitoring of refrigerant prices against the background of Regulation (EU) No 517/2014

Q4/2019 – March 2020

CITEPA

Öko-Recherche

Büro für Umweltforschung und -beratung GmbH

In cooperation with AFCE, AREA, ATF, BWP, EPEE, Eurovent, SNEFCCA,VDKF

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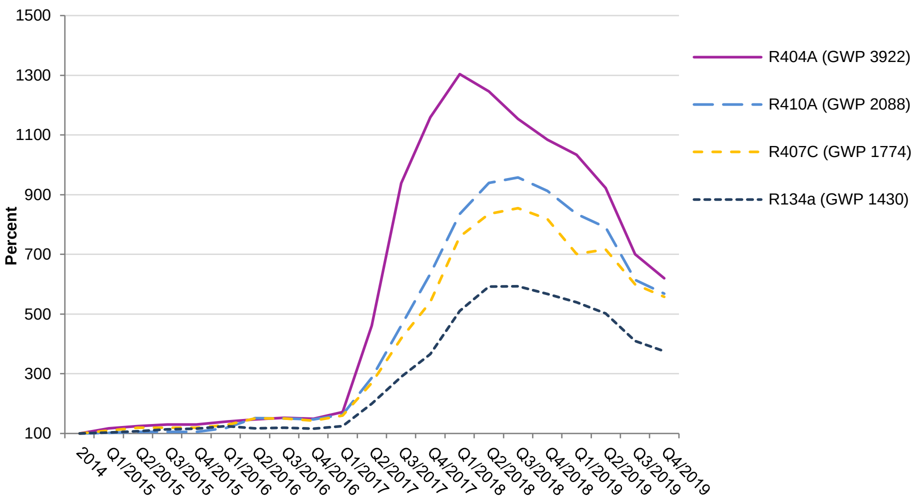
In Q4/2019, 82 companies from eleven EU Member States (main respondents from France, Germany, Italy and Poland) and all supply chain levels (3 gas producers, 10 gas distributors, 26 OEMs, 37 service companies, 5 end-users and 2 other companies) reported purchase and/or selling prices for HFCs and lower GWP alternatives. Please note that companies do not report prices for all refrigerants but only for the ones relevant to them.

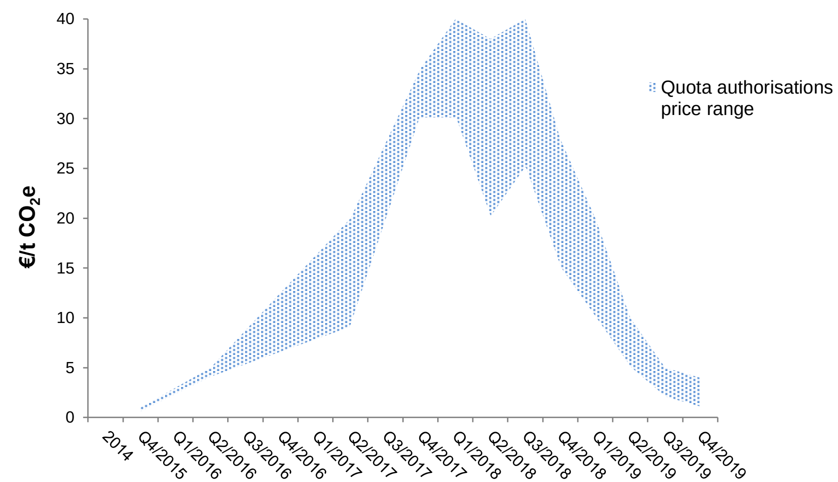
Service company level

Figure 1 shows the **development of purchase prices of the most commonly used HFC refrigerants** at service company level. Data presented include prices reported by 37 companies. Prices are indexed to the baseline year 2014 (= 100 %).



Quota authorisations

Figure 2 displays the **development of quota authorisation prices** since 2015 (price range, in €/t CO_2e). Data presented include indications from 5 to 10 companies from different supply chain levels. Quota authorisation prices dropped to 1-4 €/t CO_2e in Q4/2019.



Other findings for Q4/2019:

- Prices for R134a, R407C, R410A and R404A continued declining, but on average to a lesser extent than in previous quarters. There was demand, albeit at low level compared 2017.
- Prices at OEM and service company level were still 4 to 6 times higher than before the start of the price increase in 2017. Prices might be stabilised by companies locked into longer-term contracts. Selling prices of service companies also further decreased and reached a comparable price level to that in Q3/Q4 2017.
- Prices of lower GWP alternatives have remained either stable or further decreased.
- Four companies reported limited availability of refrigerants, especially for those with high GWP, while 62 companies did not (the remaining companies did not respond to that question).
- Prices of reclaimed refrigerants reported by gas distributors show that they may be as high as twice the price of virgin gases, due to the limited quantities available. Most common reclaimed gas is R404A, followed by R134a.