

The effects of carbon prices and anti-leakage policies on selected industrial sectors in Spain - Cement, steel and oil refining

A. Santamaría, P. Linares, P. Pintos

Abstract— This paper assesses the impacts on the cement, steel and oil refining sectors in Spain of the carbon prices derived from the European Emissions Trading Scheme (EU ETS), and the potential effect on these sectors of the European Union anti-leakage policy measures. The assessment is carried out by means of three engineering models developed for this purpose. Our results show a high exposure to leakage of cement in coastal regions; a smaller risk in the steel sector, and non-negligible risk of leakage for the oil refining sector when carbon allowance prices reach high levels. We also find that the risk of leakage could be better handled with other anti-leakage policies than those currently in place in the EU.

Index Terms— Carbon leakage; EU ETS; Cement; Steel; Oil refining

Due to copyright restriction we cannot distribute this content on the web. However, clicking on the next link, authors will be able to distribute to you the full version of the paper:

[Request full paper to the authors](#)

If you institution has a electronic subscription to Energy Policy, you can download the paper from the journal website:

[Access to the Journal website](#)

Citation:

Santamaría, A.; Linares, P.; Pintos, P.; "The effects of carbon prices and anti-leakage policies on selected industrial sectors in Spain - Cement, steel and oil refining", Energy Policy, vol.online, no., pp.online-. September, 2013.