

Title: An Examination of the Impact of UK Environmental Policies on CO2 Emissions in the UK Construction Industry

Name: Megan Adair

MOTIVATION

- SMEs account for 99% of all UK businesses and their collective pollution accounts for a significant portion of the carbon footprint of UK businesses
- More than 25% of UK SMEs are directly related to the construction industry.
- There are minimal mechanisms to help SMEs in the journey to net zero by 2050.

METHODOLOGY

- UK construction industry emissions were used as the dependant variable, with subsidy annual budget, share of renewables generation and the carbon price in the EU ETS as the explanatory variables.
- Multi linear regression model was run to establish any relationships.

FINDINGS

- None of the variables exhibited a strong correlation with CO2 emissions.
- Unexpected weak positive correlation between EU ETS carbon price and emissions.
- Weak negative correlations between emissions and the other two variables: renewables share and

POLICY IMPLICATIONS

- It is apparent that heavy carbon industries still require extra regulation and financial assistance to reach the net zero target by 2050.
- Focus should be turned particularly to supporting SMEs if the country is to be successful at

UK Construction Industry Emissions

