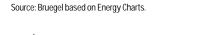
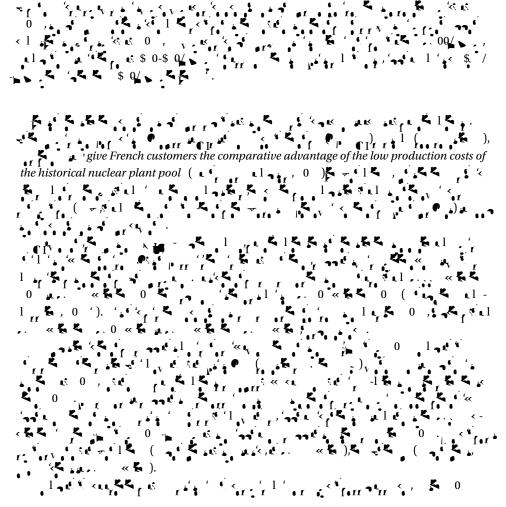


The authors are grateful

1 Introduction

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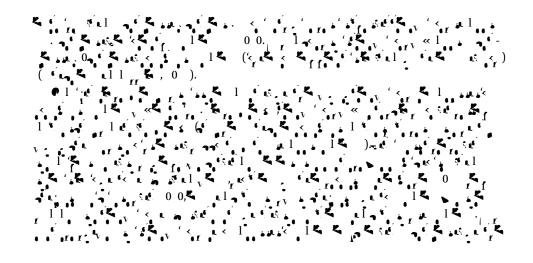
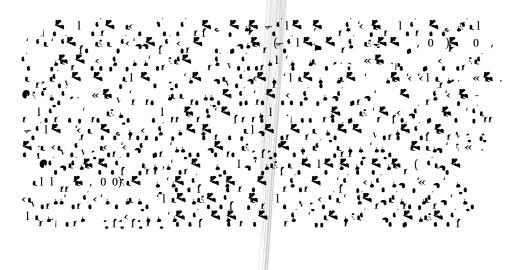


Figure 2: Retail electricity prices by component and user type, €/KWh, EU (2021)

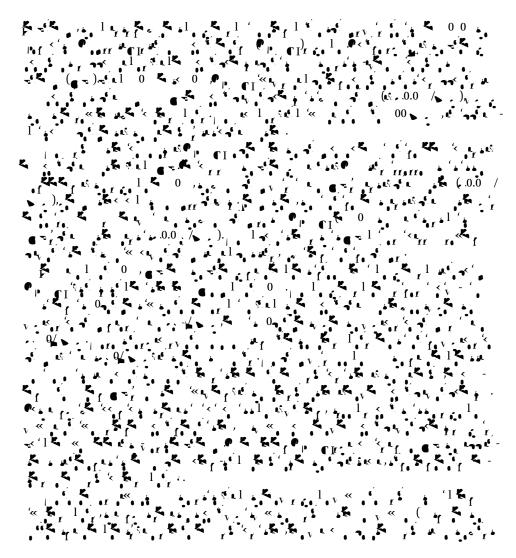
Source: Bruegel based on Eurostat. Note: Firms are generally eligible for VAT refunds, and that is the case also for some renewable taxes, such as the EEG surcharge in Germany. Small firms are the Eurostat consumption band between 20 and 499 MWh, medium firms are between 2 and 19.9 GWh, and energy-intensive firms between 70 and 149.9 GWh. Households refers to the TOT_KWh Eurostat consumption band.



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5 A French *trait d'union* and a German bridge too far



15 In reality the volumes sold by EDF at a regulated price are much higher. In 2022, EDF reported providing 120 TWh to alternative suppliers under ARENH and around an extra 55 TWh to households at regulated taris established under the French Energy Code, adding to the wholesale ARENH price capacity guarantees, transmission and marketing costs, as well as a normal rate of return on investment. Moreover, in 2022 EDF reported supplying 75 TWh at capped prices and about 25 TWh of grid losses also sold at the ARENH price (EDF, 2022, p.37).
16 See French government consultation document of 21 November 2021, 'Projet de dispositif de protection des

consommateurs d'électricité à partir du 1er janvier 2026; $\mu_r / (1 + 1) = \frac{1}{2} + \frac{1}{2} +$

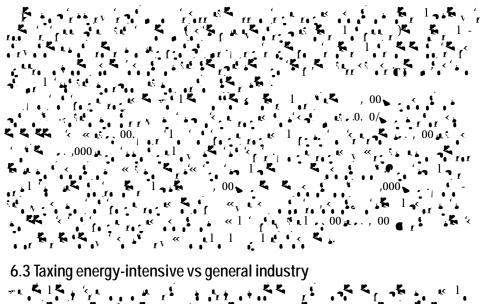
6 Transforming European electricity: who will pay?

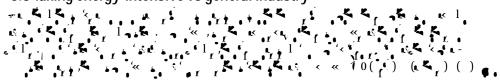
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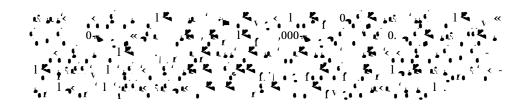
6.2 Industry vs households

22 Adding new generation capacities to the electricity grid takes a few years. erefore, increasing electricity supply in the short run requires operating existing facilities at higher capacities. Concretely, this means raising output from natural gas and coal plants. Global natural gas markets remain very tight which limits room for manoeuvre, and raising output from coal plants is limited by environmental regulation as part of the EU's ongoing phase out. 23 See Bruegel Dataset, 'National scal policy responses to the energy crisis',

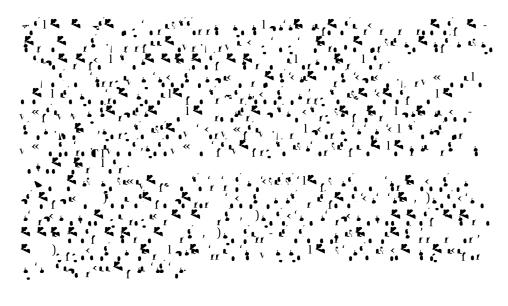




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7 Conclusions



References

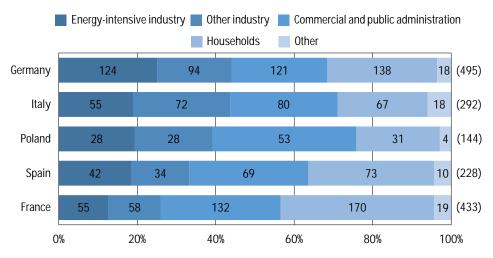
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Annex A1: Country variation in the importance of energy-intensive industries



Figure A1: Share of electricity consumption by consumer type, TWh, 2021 (totals)



Source: Bruegel based on Eurostat. Note: energy-intensive industry includes basic metals, chemicals, non-metallic minerals and paper and pulp.