

# Advanced Electric Generating Technologies in a CGE Model of Germany

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The electricity generating sector is important for analysis of climate policy because of the large point sources of carbon emissions, the potential for fuel switching, and the potential for advanced generating technologies. One of the challenges facing developers of computable general equilibrium (CGE) models is representing advanced energy technologies in a way that is consistent with engineering cost models. We report on progress to introduce advanced electricity technologies such as integrated gasification combined cycle (IGCC), natural gas combined cycle (NGCC), wind power, and carbon capture, into SGM-Germany, an economic model used to analyze trade in carbon emissions rights.

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