A1: Supplemented Historic Data



Data Source: self-collected from NBSC (2007a; 2017b) and self-recalculated

A1-1. Fuel share of energy-intensive manufacturing sector



Data Source: self-collected from NBSC (2007a; 2017b), NBSC (2001-2006, 2007, 2008-2016, 2017c) and NBSC (<http://www.stats.gov.cn/>)

A1-2. Share of GDP for various sectors in China

 

Data Source: self-collected from NBSC (2007a; 2017b) and self-calculated

A1-3. Share of energy consumption for each sector in China (2016)



Data Source: self-collected from NBSC (2007a; 2017b) and self-calculated

A1-4. Historical fuel mix for heat production

A2: Supplemented Hypothesis Data





A2-1. Evolution of the fuel mix for energy-intensive manufacturing sector in the BAU and ME scenarios

A2-3. Comparison of the energy intensities of AV for energy-intensive manufacturing sector in BAU and EE scenarios

  

 A2-3. Comparison of the industrial structures in BAU and SOI

A3: Supplemented Simulation Results

    

A3-1. Simulation results of the fuel mix for all scenarios



BAU ME



 EE SOI

 

 COMB COMB with 10% more non-fossil energy for electricity generation

A3-2. Simulation results of the fuel mix in 2030 for all the scenario



A3-3. Sensitive analysis Results of the energy-related CO2 emissions for each scenario

A3-4. Simulation results of the energy-related CO2 intensity of electricity generation

A3-5. Simulation results of the energy intensity of GDP (tons of coal equivalent per 1,000 yuan)

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