

### **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Share of gas supply from each field, current and projection (%)

File Name: Supplementary Data 2

Description: Field-specific inputs and data sources

File Name: Supplementary Data 3

Description: Transmission distances between gas fields and supply destinations for gas fields connected to Chinese pipeline system(km)

File Name: Supplementary Data 4

Description: Electricity grid mix of different gas production countries