**Supplementary Material**

**Economic Consequences of Cooling Water Insufficiency in the Thermal Power Sector under Climatic Change Scenarios**

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**Supplemental Tables**

**Table S1.** Regional classifications.

|  |  |  |
| --- | --- | --- |
| Code | Regions | 5 aggregated regions |
| JPN | Japan | OECD90 |
| CHN | China | Asia |
| IND | India | Asia |
| XSE | Southeast Asia | Asia |
| XSA | Rest of Asia | Asia |
| XOC | Oceania | OECD90 |
| XE25 | EU25 | OECD90 |
| XER | Rest of Europe | REF |
| CIS | Former Soviet Union | REF |
| TUR | Turkey | OECD90 |
| CAN | Canada | OECD90 |
| USA | United States | OECD90 |
| BRA | Brazil | Latin America |
| XLM | Rest of Latin America | Latin America |
| XME | Middle East | Middle East and Africa |
| XNF | North Africa | Middle East and Africa |
| XAF | Sub-Saharan Africa | Middle East and Africa |

**Table S2.** Industrial classification.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 6 aggregated sectors |  | | | | |
| Agriculture | Rice | Wheat | Other grains | Oil seed crops | Other crops |
| Ruminant livestock | Non-ruminant livestock | Other livestock and fisheries | Forestry |  |
| Energy extraction | Coal mining | Oil mining | Gas mining | Petroleum refinery | Coal transformation |
| Biomass transformation (1st generation) | Biomass transformation (2nd generation with energy crops) | Biomass transformation (2nd generation with residues) | Gas distribution |  |
| Power | Coal-fired power | Oil-fired power | Gas-fired power | Nuclear power | Geothermal power |
| Advanced biomass-power generation | Waste biomass power | Other renewable energy power generation |  |  |
| Hydroelectric power | Photovoltaic power | Wind power |  |  |
| Manufacturing and construction | Mineral mining and other quarrying | Food products | Textiles, apparel, and leather | Wood products | Paper, paper products, and pulp |
| Chemical, plastic, and rubber products | Iron and steel | Nonferrous products | Other manufacturing | Construction |
| Transport and communications | Transport and communications |  |  |  |  |
| Service | Other service sectors | CCS service |  |  |  |