

# **BRANergy: BoundedRationalityAgentsInvestmentsmodel**





## **4 Power sector operations**





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**52 Policy agents**

**Table 5- Description of policy agents in BRAIN Energy**

AGENTS	DESCRIPTION	REGION
government agent	This agent is committed to reach the 2050 net-zero goal, through commission of technology demonstration projects.	USA
	Enforces a capacity market to manage security of supply and guarantee that electricity demand is met at all times.	USA
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	Enforces a capacity market to manage security of supply and guarantee that electricity demand is met at all times.	USA





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## 8 Data and calibration

**Table 10** BRAN Energy's exogenous variables and outcomes

Exogenous variables	Outcomes

**Table 12: Technical power plant data in UK version of E3NE Energy source: BES 2016)**

<b>Technology</b>	<b>Average load factor</b>	<b>Lifetime</b>	<b>Emission intensity (gCO<sub>2</sub>/kWh)</b>
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**Figure 4- CO<sub>2</sub> price trajectories in BRAN Energy**





## References





## AppendCS