

Project name: Operational reliability evaluation of multi-source and heterogeneous urban multi-energy systems

Project type: Natural Science Foundation of Jiangsu Province, China

Funds: 0.2m RMB

Contract period: 2022.6-2025.6.

Project role: Principal Investigator

Main duties:

Propose a unified operational reliability modeling theory for multi-type, multi-state, and multi-performance urban multi-energy system components; Propose an urban multi-energy system reliability evaluation framework considering energy network integrations and energy flow dynamics; Propose an operational reliability evaluation algorithm for urban multi-energy system considering the multi-source and heterogeneous features.

Attachments:

Research framework (in Chinese)

