

# Accepted Manuscript

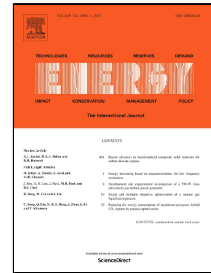
Performance comparison of energy supply systems under uncertain energy demands based on a mixed-integer linear model

Ryohei Yokoyama, Ryo Nakamura, Tetsuya Wakui

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**Highlights**

- > Performances of energy supply systems are compared under uncertain energy demands.
- > A mixed-integer linear model is adopted for equipment performance characteristics.
- > A minimax mixed-integer linear programming problem is formulated and solved.
- > Performances of cogeneration and conventional energy supply systems are compared.
- > Influence of uncertainty in energy demands on performance comparison is clarified.

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