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A hybrid robust-stochastic approach to evaluate the profit of a multi-energy retailer in tri-layer energy markets

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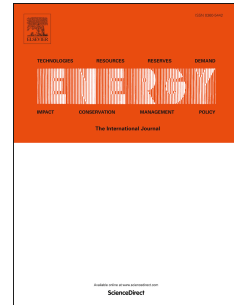
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Highlights

A new entity is introduced to meet energy demands of multi-energy consumers.

The role of P2X units is examined in exploiting opportunities in energy markets.

The impact of DRPs is investigated on the MER' profit.

Morteza Zare Oskouei: Conceptualization, investigation, writing-original draft.

Mohammad Amin Mirzaei: Methodology, software.

Behnam Mohammadi-Ivatloo: Supervision, validation, project administration.

Mahmood Shafiee: Writing-review and editing.

Mousa Marzband: Supervision.

Amjad Anvari-Moghaddam: Formal analysis, data curation.

Declaration of interests

☒ The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

☐The authors declare the following financial interests/personal relationships which may be considered as potential competing interests: