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Energy challenges for Turkey: Identifying sustainable options for future electricity generation up to 2050

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Highlights

- First life cycle sustainability assessment of 2050 electricity scenarios for Turkey.
- Fourteen scenarios assessed on 19 sustainability indicators using MCDA.
- BAU would increase CO₂ eq. emissions by four times on today's values.
- Renewable-nuclear intensive scenarios are most sustainable overall.
- However, renewables increase depletion of elements by 70x and costs by 10x.

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