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Picioroaga, I.; Luca, M.; Tudose, A.; Sidea, D.; Eremia, M.; Bulac, C. Resilience-Driven Optimal Sizing of Energy Storage Systems in Remote Microgrids. *Sustainability* 2023, 15, 16002. <https://doi/10.3390/su152216002>

Picioroaga I, Luca M, Tudose A, Sidea D, Eremia M, Bulac C. Resilience-Driven Optimal Sizing of Energy Storage Systems in Remote Microgrids. *Sustainability*. 2023; 15(22):16002. <https://doi/10.3390/su152216002>

Picioroaga, Irina, Madalina Luca, Andrei Tudose, Dorian Sidea, Mircea Eremia, and Constantin Bulac. 2023. "Resilience-Driven Optimal Sizing of Energy Storage Systems in Remote Microgrids" *Sustainability* 15, no. 22: 16002. <https://doi/10.3390/su152216002>

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Large-scale integration of environment-dependent renewables coupled with intensifying climate extremes

introduces superimposed risks on future net-zero power systems, expected to increase the frequency of severe power outages.

High-penetration renewable power systems under climate change may face escalating challenges, including more severe infrastructure damage, lower grid inertia and flexibility, and longer post-event recovery.

Achieving a climate-resilient power system in a net-zero future requires approaches for harnessing the inherent potential of distributed renewables through forming microgrids.

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