

To adapt to the problem of complex bi-layer model structures, multiple variables, and nonlinear constraints in the optimization configuration process of microgrids, it is necessary to improve ...

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Four years ago, Public Service Electric and Gas started operating a wastewater treatment microgrid in New Jersey, and last year the McKinleyville Community Services District in northern California selected ...

Microgrids are an innovative technology that can significantly improve the reliability and resilience of wastewater treatment plants while providing various economic benefits. By integrating a ...

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Simulation results show that the proposed control strategy can coordinate power flow of each part of the microgrid, make a reasonable and orderly operation. Key words: microgrid coordinate ...

DOI: 10.1016/J.APENERGY.2014.07.097 Corpus ID: 111070318; Application of a microgrid with renewables for a water treatment plant @article{Soshinskaya2014ApplicationOA, ...

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2. Beijing Beibian MicroGrid Technology Co.,Ltd Beijing 100037 China 3. Unit 68302 Weinan 714000 China ) Abstract: Aiming to the micro-grid containing EV (electric vehicle) load,the ...

DOI: 10.1016/J.RENENE.2021.06.041 Corpus ID: 237677757; Multi-objective robust optimization of multi-energy microgrid with waste treatment @article{Sun2021MultiobjectiveRO, title={Multi ...

In the case of microgrids, improved security, reliability, and sustainability can be marketed along with economic benefits like energy cost savings. In the case of combined ...

The preplanned islanding of grid-connected microgrid (MG) enables the interactions between the microgrid and several forms of scheduled operations in the upstream distribution network. ... [ ...

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