Record Nr.	UNINA9910367236303321
Titolo	Demand Response Application in Smart Grids [[electronic resource]] : Operation Issues - Volume 2 / / edited by Sayyad Nojavan, Kazem Zare
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-32104-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VIII, 288 p. 144 illus., 130 illus. in color.)
Disciplina	333.79 338.926
Soggetti	Energy policy Energy and state Renewable energy resources Energy systems Energy storage Electrical engineering Energy Policy, Economics and Management Renewable and Green Energy Energy Systems Energy Storage Electrical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Smart grids and green wireless communications Implementation of Demand Response Programs on Unit Commitment Problem Hourly price-based demand response for optimal scheduling of integrated gas and power networks considering compressed air energy storage Energy management of hybrid AC-DC microgrid under demand response programs: Real-time pricing versus time-of-use pricing Distribution Feeder Reconfiguration Considering Price-based Demand Response Program Risk-Constrained Intelligent Reconfiguration of Multi-Microgrids based Distribution Systems under Demand Response Exchange AC Optimal Power Flow Incorporating Demand Side

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	Management Strategy Demand side integration in the operation of LV smart grids Multi-objective optimization model for optimal performance of an off-grid microgrid with distributed generation units in the presence of demand response program Optimal Operation of the Microgrid Considering Network Losses and Demand Response Programs under Condition of Uncertainty Techno-Economic Framework for Congestion Management of Renewable Integrated Distribution Networks through Energy Storage and Incentive-based Demand Response Program Stochastic Optimal Preventive Voltage Stability Control in Power Systems under demand response program.
Sommario/riassunto	This book analyzes issues surrounding the efficient integration of demand response programs (DRPs) on operation problems in smart grids. The benefits offered by demand response programs (DRPs) for load-serving entities, grid operators, and electricity consumers are explained, including decreased electricity prices and risk management. In-depth chapters discuss the flexibility of market operations, market power mitigation, and environmental benefits—making this a must- have reference for engineers and related practicing professionals working for organizations in the electricity market, including reliability organizations, distribution companies, transmission companies, and electric end-users. Explains the benefits of demand response programs (DRPs) Provides expert guidance on integrating DRPs into smart grid operations Presents the most-up-to-date technological approaches to energy intergration.