



Understanding the Benefits of the Smart Grid



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Understanding the Benefits of the Smart Grid

By National Energy Technology Laboratory

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Since 2005, a great deal has been accomplished to develop and communicate the concepts that define what we call the smart grid today. A number of studies have concluded that, when viewed at a high level, the benefits of a smart grid far outweigh its costs-that is, when all costs and all benefits applicable to all stakeholders are included. But will the smart grid prove beneficial for everyone? The transition to the smart grid is fundamentally driven by market forces. The smart grid's ability to improve safety and efficiency, make better use of existing assets, enhance reliability and power quality, reduce dependence on imported energy, and minimize costly environmental impacts are all market forces that have substantial economic value. Recognizing these many attributes, the American Recovery and Reinvestment Act of 2009 (ARRA) was designed to provide additional stimulus, to accelerate the smart grid transition, and thereby realize the benefits sooner. As a result, the momentum for a smart grid is large and growing, but if it is to be sustained, the smart grid's value must become...



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