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KEMA advances the process of assessing, building the business case for energy storage

New Utility of the Future volume provides first comprehensive roadmap for wide-scale utility application

BURLINGTON, Mass., (January 7, 2010) – KEMA (www.kema.com) today released the first independent guidebook on integrating wide-scale energy storage in the electric power infrastructure. Volume two of KEMA's Utility of the Future series, "[The Promise of Energy Storage](#)," explores the issues and questions surrounding the rapidly advancing technology. The guidebook provides a broad assessment of the electricity storage field and the latest thinking about applications. It also describes how to assess when there is a good business case for storage and when there is not—and examines the implications of including storage in grid design and operation, the economics of storage, and the [policy issues](#) being raised.

"In the long-term, the implications of widespread, mass deployment of electricity storage across the power system are profound," said Dr. Ralph Masiello, KEMA senior vice president. "To date there has not been a single, independent source of relevant information on the issues and questions that are being raised by this rapidly advancing technology."

The Utility of the Future volume draws on KEMA's extensive involvement in expanding the understanding and capabilities of [energy storage](#) through grid simulation and developing the analytic and economic tools needed to plan for its use. KEMA has been actively engaged worldwide in projects across the energy storage value chain—ranging from technology development and evaluation to the advancement of visionary large-scale storage applications. In the US, KEMA recently testified on grid-scale energy storage before the full US Senate Committee on Energy and Natural Resources, and participated along with MIT in an IEEE and ASME sponsored briefing at the US Congress on electricity storage policy issues.

"We created this guide to help assess and build the business case for storage when and where it makes sense," said Dr. Masiello. "We spell out specific application cases and methodologies for determining their cost-benefits. We identify policy issues that improve the case and overall cost-benefit. And we identify how related trends in energy—RPS standards, smart grid, micro grids—all link to, and benefit from, the inclusion of storage in grid design and operation."

The KEMA Utility of the Future leadership guidebook series provides independent insight and assessment of the pressing questions, emerging technologies and strategic decisions surrounding electric grid modernization. The 2008 inaugural volume addresses the impact of smart grid on the utility organization and business process.

KEMA's Utility of the Future guidebook on energy storage covers:

- Building the case for storage
- Energy storage applications
- Financial justification
- Public policy to encourage use of storage
- Energy storage technologies
- Applications labeling and performance testing
- Natural gas - A stored energy commodity
- Realizing energy storage's promise

For additional information and to order "Utility of the Future volume 2: The Promise of energy storage", visit www.kema.com/StorageFuture.



About KEMA

Founded in 1927, KEMA is a global provider of business and technical consulting, operational support, measurement and inspection, testing and certification for the energy and utility industry. With world headquarters in Arnhem, the Netherlands, KEMA employs more than 1,500 professionals globally with offices in 13 countries. KEMA's US subsidiary, KEMA, Inc., is headquartered in Burlington, Massachusetts and serves energy clients throughout the Americas and Caribbean.

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