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Optimal data management for Utility AMI - Smart Grid Data

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ABSTRACT

This presentation will discuss the need for proper data storage techniques to achieve optimal results for high value analytics involved in AMI/Smart Grid data in a utility setting. This presentation will discuss the usage of several SAS products such as SPDS, Enterprise Data Integration Server, Enterprise Miner and Base SAS. This paper will highlight data collection, data quality, analytics design and data delivery.

MANAGING HIGH VOLUMES OF DATA

Collecting, storing and validating the large volumes resulting from AMI/Smart Grid are the critical foundation of building a strong analytic structure. This presentation will discuss methods for managing the high volumes of data along with building proper validation techniques. Proper structure will provide the optimal performance for the analytics tools and processes.

TRANSFORMING DATA INTO INFO USING ANALYTICS

This presentation will discuss techniques for designing models and building trend and correlation studies.

DELIVERING THE INFORMATION VIA ANALYTIC DELIVERY PORTALS

This presentation will discuss designing the portal for the stakeholder, build insightful dashboard graphics and provide for ad-hoc queries.

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