

57. WIRELESS SMART METER BASED ENERGY MANAGEMENT SYSTEM

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Energy Management Systems can allow you to see how you're using your energy in greater detail and provide a gateway to increased energy efficiency. Considered state-of-the-art in automated meter reading, Radio Frequency (RF) offers wireless smart meter reading for all type of meters including electric, water, gas, and run time clocks. New software applications have been developed that can perform remote energy management functions through communication to the distributed smart meters(specific value calculation, trend monitoring, limit violation , alarm, etc).This Paper gives an overview about the existing remote energy management systems and recommendations which would be useful for new and emerging trends in smart grids.

Keywords-Energy management system, smart meters, radio frequency (RF).

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