

Using Scada To Reduce Energy Consumption And Operate More Efficiently

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Abstract: Many of today's water production, treatment, and distribution facilities utilize a SCADA system for alarm monitoring and control. By expanding the capabilities of an existing SCADA system, or by adding SCADA to an existing facility, the potential for energy savings and more efficient operation exists. Utilizing SCADA as a tool, rather than just an alarm and control system, can yield cost savings in the form of reduced energy consumption and increased operational efficiencies in the following areas: electric and gas utility bills; emergency response; operational labor; down-time and repair of equipment; and facility monitoring and security. Through a number of real-life applications, this presentation will show how SCADA can be used in water production, treatment, and distribution facilities to take better advantage of today's technology and provide energy cost savings and increased operational efficiencies.