



## UPCOMING WEBINARS

### **Installing Reciprocating Engines for CHP/Cogeneration: What you can expect (and what goes bump in the night).**

Thursday, December 20, 2018, 12 pm Central



#### **Presented By Andy Ungerman, Senior Mechanical Engineer, Stanley Consultants**

In their search for reliable, flexible, low-cost sources of energy, Owners have varying pressures and selection factors but many of them choose the same technology solution: reciprocating engines, or RICE (reciprocating internal combustion engine). The versatile reciprocating engine is increasingly being selected as the solution to these challenges, from one small engine to a bank of larger engines.

This presentation covers considerations for the replacement of older units with new reciprocating engines. General considerations, such as appropriateness of the technology to a given situation and cogeneration/CHP. Different types of contract delivery, from traditional design-bid-build to EPC (engineer-procure-construct) will be discussed, and how they work in practice. These forms of contract delivery define who bears the most project risk. Are RICE projects risky? What are the areas of the project that present the most risk? The presentation will also cover the owners engineer role and how they can be used to minimize project risk.

The presentation will also discuss community perception, noise issues, operations/maintenance, environmental concerns, and typical cost factors.

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**Stanley Consultants** INC.

Stanley Consultants helps clients globally with complex challenges in power, transportation, water and environmental for utility, industrial, higher education and local, state, federal and foreign government agencies. Our expertise in CHP systems ranges from less than 1 MW to over 50 MW and more than 350 MMBtu/hr of thermal energy. We leverage our leadership in the industry to design the generation of electricity using reciprocating engines and gas or steam turbines in simple cycle, combined cycle, simple cycle cogeneration and combined cycle cogeneration. In the past 10 years, Stanley Consultants has engineered over 450 MW of CHP systems.

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