

Implementation

- Coordination and project management
-

Introduction

Successfully installing a CCHP system or /and EEEEC system is a complex task that requires skill and knowledge in a wide range of disciplines including engineering, construction, plumbing, wiring, and environmental compliance. For this reason, it is wise to team up with CVENDEV and our preferred partners for your project as we are all leaders in this field and have broad depth and experience with these systems. Our preferred partners are all very well qualified firms in this discipline however should you wish to work with your own contractors we will certainly be right there beside them should they need our assistance.

Depending on the team assembled, the role of CVENDEV will vary. Our service is to “fill in the gaps”. If the customer wants to be heavily involved then CVENDEV will take a back seat; if the customer has other priorities then CVENDEV will step in and look after the customers interests.

Service description

Following is a list of activities which CVENDEV can take responsibility for coordinating.

Permitting

There will likely be a number of permits required to proceed with the installation. The number and complexity will vary depending on the size and scope of the project. However, some of the more common ones include emissions, interconnection (connecting to the grid), and construction. CVENDEV will work with the contractors and take responsibility if required to obtain the permit.

Emissions

CCHP typically reduces total air emissions compared to grid-supplied power and separate onsite thermal systems. However, CCHP systems are still required to meet environmental permitting requirements that regulate the emission of pollutants into the air. The emissions depend on the technology used and the pollution abatement installed, and the requirements depend on the location of the system. Capstone Microturbines are highly favored by both the EPA and SCAQMD and typically sail through the permitting process.

Interconnection

Most CCHP system owners decide to still remain connected to the electric grid, so their building operations can go on uninterrupted during times of planned or unplanned maintenance on the system, or so the grid can cover peak times.

The process of interconnecting to the grid **varies from state from state** (and sometimes from utility to utility). States and utilities want to ensure that the system is safely and reliably connected to the grid so as to not cause damage to utility lines or personnel. Some states, though are improving and standardizing the process to make it easier for CCHP. In general, smaller or less complicated systems can receive a "fast track" approval from the utility,



requiring a few days' to a few weeks' time, while larger or more complicated systems require longer studies before being connected.

Project management / coordination

CVENDEV can act as the project managers, develop the plans with the contractors to meet the clients timescales and coordinate the project on behalf of the client.

Fees: A budget will be agreed and work will be invoiced as work is completed to client satisfaction

Copyright CVENDEV LLC V2.2 05/30/2017ISM.