

CHP



# 2 STEPS

to Determine if  
Combined Heat & Power  
(CHP) is Right for You

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Your Power, **Our Passion**

# Introduction

As a Facility Manager or Engineer, you compete with other departments for funding. Often, those departments directly contribute to revenue growth. It's an uphill battle to convince higher-ups that investments like energy upgrades actually support revenue generation.

You need solid data that can cost-justify a possible energy-saving initiative beyond lighting, regular HVAC maintenance, and window retrofits.

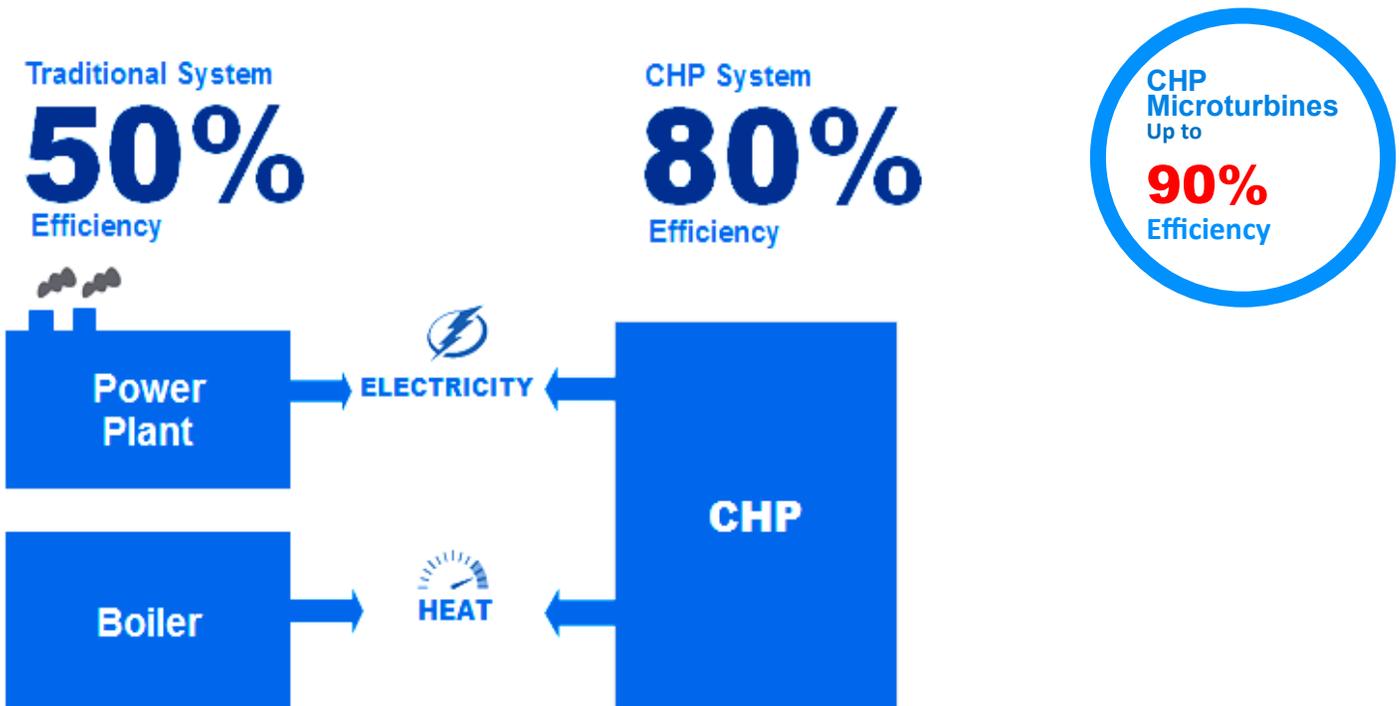
That's where our booklet comes in: ***2 Steps to Determine if Combined Heat & Power (CHP) is Right for You.*** In the booklet are tools to determine if a cost-saving CHP system that simultaneously produces electric power and thermal energy may be a fit for your facility.

Let's get started...

# A Short CHP Primer

## How CHP Works

An onsite power source such as a microturbine or engine simultaneously generates electricity and heat. A CHP system captures the waste heat and uses it for heating and cooling. The result can be lower and more predictable energy bills, energy efficiencies that near **90%** with microturbines, higher reliability, and even the potential for increased revenue.



# STEP 1: Is CHP Right for Your Facility?

| YES | NO |  |
|-----|----|--|
|     |    | Do you pay more than \$.07/kWh on average for electricity?<br><i>(Includes generation, transmission and distribution)</i>          |
|     |    | Are you concerned about current or future energy costs?  |
|     |    | Is your facility located in a deregulated electricity market?  |
|     |    | Is power reliability critical to your facility? Is there substantial financial impact if power goes out for 1 hour? For 5 minutes? |
|     |    | Does your facility operate more than 5,000 hours/year?   |
|     |    | Do you have such thermal loads as building heat, steam, hot water, chilled water, or hot air throughout the year?                  |
|     |    | Do you have an existing central plant?   |
|     |    | Do you expect to replace, upgrade, or retrofit central plant equipment in 3-5 years?   |
|     |    | Have you implemented energy efficiency measures and still have high energy costs?  |
|     |    | Do you want to reduce your facility's environmental impact?  |
|     |    | <b>TOTAL FOR EACH COLUMN</b>   |

**If you answered "YES" to 3 or more questions, then you're a candidate for CHP. Dig a little deeper on the next page.**



## STEP 2: Let's Estimate Your Energy Savings

Plug in a few numbers on page 7 and Horizon Power will determine if CHP is right for your facility — or if it isn't. If CHP could be helpful, we'll also provide potential cost savings that compare a CHP system to your current system.

Have questions while using the form? Contact Jeff Dixon, Corporate Account Manager at Horizon Power Systems.



# Horizon Power Systems

Horizon Power Systems is the exclusive distributor of Capstone Microturbines (over 9,000 microturbines installed worldwide) for combined heat and power, prime, and backup applications.

Horizon Power is Capstone's largest distributor in the Americas, with microturbine systems installed across 13 states and 5 Canadian Provinces. Combined, Horizon Power's systems have logged over 5 million run hours.

**More CHP news on our LINKEDIN page**

[www.linkedin.com/company/horizon-power-systems-inc](http://www.linkedin.com/company/horizon-power-systems-inc)