



One of the goals of the State of New Jersey is to enhance energy efficiency through on-site power generation with recovery and productive use of waste heat, and to reduce existing and new demands to the electric power grid by providing financial incentives for Combined Heat & Power (CHP) installations.

For more information:

NJ BPU

www.state.nj.us/bpu/

**NJ Clean Energy
Program**

www.njcleanenergy.com/

NJ CHP

www.njchp.rutgers.edu



IS CHP RIGHT FOR YOU?

Is Combined Heat and Power (CHP) a viable and profitable option in your particular circumstances? Center for Advanced Energy Systems (CAES) offers direct and indirect technical assistance to help you determine if cogeneration is right for your operation.

Facility Specific Considerations:

When contemplating the use of cogeneration, the first consideration should be whether the application requires the simultaneous need for electricity and heat over long operating periods. The longer the period, the greater the economic and environmental benefits delivered.

Below is the list of questions that are important to consider when exploring CHP.

- **Fuel supply:**
 - Does the site have easy access to cheap and reliable fuel energy?
 - Are there concerns about the security of fuel supply?
- **Demand:**
 - Does the site have to generate heat, steam, or electricity as part of its normal operations?
 - Does the site have a demand for electricity, heat, process steam or cooling?
 - Does your facility operate for more than 5000 hours per year?
 - Is there an asynchronicity in demand at the site and from the grid, leading to the situation where it could be cost-effective to buy electricity from the grid during peak operation and sell to the grid during low demand?
 - Do you plan to expand, retrofit, or upgrade your facility in the next 3-5 years?
- **Regulatory:**
 - Is it likely that the site will be required to significantly reduce emissions?
 - Are there any organizations or groups close to the site who might be interested in the purchase of excess electricity or heat?
- **Subsidies and finance:**
 - NJBPU Rebate Program: Clean Energy Rebate Program. Project size 0-2 MW.
 - Business Energy Tax Credit.