

**GAMMILL  
ELECTRIC  
INC.**



**TURNKEY  
COGENERATION  
SOLUTIONS**

**RELIABILITY  
EFFICIENCY  
INTEGRITY**

*Since 1967*

# Cogeneration Systems

Gammill Electric is a highly qualified supplier of 250 kW to 5 mW CHP (combined heat and power) cogeneration systems, providing a full range of equipment and technical support services to ensure maximum economy and reliability.



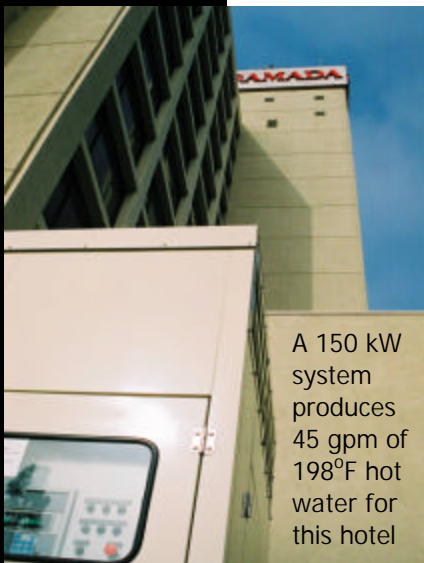
1 mW cogeneration system with absorption chiller

Cogeneration is a term used to describe technologies that capture waste heat from local electricity production, and use the waste heat to make steam, hot water, or chilled water for process heating, cooling, or air conditioning. These technologies can increase the efficiency of typical power production systems from 30% to 80%.

Cogeneration systems are used for primary power generation, peak shaving, load management, power quality improvement, and standby power.

## CASE STUDY

A Southern California manufacturer of plastic injection molded parts reduced total plant energy expense by \$32,000 per month by installing a 1 mW cogeneration system that provides primary plant power, plus 925 gph of 48°F chilled water for cooling molding machines. Payback for the complete installation is approximately 60 months.



A 150 kW system produces 45 gpm of 198°F hot water for this hotel

**If your facility meets all these criteria, cogeneration may significantly reduce your energy expense.**

- Use 125,000 kWh or more of electricity per month
- Use 3,500 Therms or more of natural gas per month
- Operate more than 500 hours per month
- Pay more than \$0.075 per kWh for electricity

**Gammill Electric, Inc.** 8844 S. Painter Ave., Whittier, CA 90602  
phone (562) 698-9851 • fax (562) 693-5517 • [www.gammillelectric.com](http://www.gammillelectric.com)

## Cogeneration equipment and services provided by Gammill include:

- Feasibility and economic justification studies for cogeneration
- Development of project specifications
- Engineer complete system and supply all CHP equipment
- UL 508 custom control and power panel shop
- Site management services to ensure the total success of each project
- AQMD permit application services
- Fully compliant interconnection with the power grid (Rule 21)
- Load bank testing
- Licensed contractor for installing CHP lines, panels, and services
- Upgrading existing services as needed
- Regular maintenance and testing of CHP equipment
- Troubleshooting and emergency repair services



Gammill works with many leading cogeneration equipment manufacturers, integrating world-class hardware with the unique installation and performance requirements of each customer.

The resulting custom engineered solutions provide maximum economy and reliability.



Complete integration with ancillary equipment



Utility interconnection

## Experience the Gammill Electric Difference

Cogeneration is about saving money. Choose a partner with a proven record of success, and one that cares about reliability and saving money as much as you do.

Gammill approaches every project with a thorough analysis of all your technical and business needs. Master engineers and craftsmen then deliver optimized solutions that reduce installation, operation, and maintenance expense. Gammill has a near perfect record of on-time project completion during the past three years, and has a solid reputation of delivering solutions that meet or exceed performance expectations.

In addition to cogeneration systems, Gammill also provides a wide range of distributed generation, standby generation, biomass solutions, and more. Contact Gammill today to discuss your specific energy needs.

**Contact Gammill Electric today to learn more about the ways cogeneration can reduce your energy expense. A free feasibility study will help verify if your facility is a viable candidate for cogeneration or related equipment.**

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