

Doctors Community Hospital

BACKGROUND

Combined Heat and Power (CHP) combines technologies to maximize energy efficiency and reduce waste. In traditional fossil fuel power plants, two-thirds of the energy used to generate electricity is wasted in the form of heat discharged to the atmosphere as well as through electricity transmission, achieving a combined efficiency of only 33 percent. CHP systems can operate at levels as high as 80 percent efficiency.

Grant Recipient
Doctors Community Hospital

Location
Lanham, MD

Grant Amount
\$494,320

Issue Date
January 2018

"A consistent energy supply is critically important in a hospital setting. Even during a hurricane or blizzard, we need to keep the lights on and the medical devices running. Doctors Community Hospital has always had backup generators in place in case of electrical grid failure, but this new system provides an extra layer of power security. It feels good to know that, no matter what, our energy supply will be as unstoppable as our staff"

- Jerry Dyer, Title
Doctors Community Hospital

PROJECT HIGHLIGHTS

The CHP system consist of two 600 KW natural gas fired reciprocating internal combustion engines with exhaust heat recovery. The CHP is operating at approximately 8,250 hrs/year 1050 KW or higher and achieve a minimum system efficiency of at least 60 percent (higher heating value). The waste heat is be used for space heating and domestic hot water.

CHP in Maryland is an incredibly robust and effective program that delivers tremendous value; and serves as a brilliant example of successful public and private partnerships.

To date, 44 businesses, nonprofits and local governments in Maryland have received CHP grants. Our local CHP projects represent over 63 megawatts of new, resilient energy generation within the state.

For More Information, Contact:

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