

Can the mCHP system operate off-grid?

At this time the unit does not have off-grid capabilities. The system is grid dependent.

What is the maintenance interval and what does it entail?

Every 4,000 hours is the recommended maintenance. That entails changing the oil, oil filter, air filter, spark plug and spark plug cable.

How loud is the unit?

The microCHP is 55 db(A) at one meter. This is quieter than a dishwasher and about as quiet as a refrigerator.

Can I install the unit outdoors?

No. The system is designed for indoor installation. It must be protected from outdoor elements.

Where are the systems manufactured?

The mCHP system and the Marathon Engine are manufactured in East Troy, Wisconsin. Components are sourced locally as much as possible. It has earned us the Made In Wisconsin label.

Are there any rebates associated with purchasing a mCHP system?

Rebates and incentives vary by utility and state. You can view rebates and incentives here: <https://betterbuildingssolutioncenter.energy.gov/chp/chp-policy-and-program-profiles>.

How much money will the system save me?

The savings associated with a microCHP installation depend on a number of variables. However, the local cost for electric and gas as well as system run-time will be the main determining factors. Installations with low gas costs and high electricity costs and large thermal needs produce faster ROI's. The typical ROI in an ideal application is between 3 to 7 years.

If I want heat, where does the electricity go if I don't use it? Conversely, if I want electricity but don't need the heat, where does the heat go?

There is always a place for the unused electricity to go - back to the grid. However, when heat demand is minimal the system goes into "Summer Production Mode" and can be utilized for domestic hot water heating only. Swimming pools are ideal heat sinks during these months when building heat is not required and you want to generate electricity. For commercial applications and multifamily housing, hot water demand is year-round.

How reliable is the engine?

The Marathon Engine was developed as a long life engine. Development costs alone were over \$70 million. It can run for 4,000 hours between maintenance cycles. The Engine is rated for 40,000 hours. Some engines have exceeded 80,000+ hours. If the engine or any component ever stops working it can be replaced without replacing the entire system, which allows the system to have an enhanced ROI and an almost indefinite extended lifespan.