



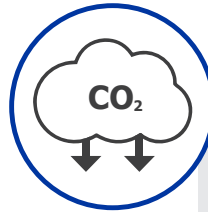
4.4kW microCHP system  
Use natural gas or propane to generate both heat and electricity on-site.

## Environmental Benefits



### Reduce the Waste

The majority of our electricity is produced by large natural gas or coal power plants to supply the grid. That is then sent through miles and miles of wires. Only about 1/3 of the energy supplied is actually delivered as electricity. The other 2/3 of the energy created is discharged into the environment as waste heat. When our microCHP system is installed to generate power, the heat is also used on site making the system 93% efficient.



### Reduce Carbon Emissions

By using cleaner burning natural gas or propane, the system reduces CO<sub>2</sub> and GHG emissions when compared to buying electricity from the grid. One microCHP reduces:

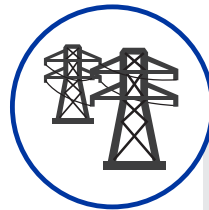
- CO<sub>2</sub> emissions by 65%
- SO<sub>2</sub> by 99.99%
- NO<sub>x</sub> by 98.4%.

This makes the system a cleaner energy solution.



### Reduce Fuel Use

When replacing less efficient equipment, the microCHP has proven it can reduce the overall fuel consumption. With traditional equipment only thermal energy is created. An additional benefit of microCHP is getting two uses out of the fuel - heat and electricity.



### Reduce Grid Dependence

The microCHP system is designed to produce heat based on the thermal needs of the application. While making that heat it is also generating electricity. By using this heat and electricity on-site, it reduces dependence on the grid. Having a microCHP system installed can ease grid congestion during peak times and reduce the need for more infrastructure.