



CO-GENERATION IN MILWAUKEE

The 11 story Zeidler Building in Milwaukee needed a co-generation unit to generate electric power and produce hot water for building heating.

Enercon Engineering custom designed a co-generation package using two Caterpillar G3412 engine-generator sets. Good sound attenuation was also a requirement because of a roof-top location near other office buildings.

The unit is also paralleled with the local utility to pump excess power into the utility grid when demand is high.



SPECIFICATIONS:

ENGINES & GENERATORS:

- Two Caterpillar G3412 engines
- Rated 450 Volts
- 60 Hertz
- 3 Phase

CHP:

- Exhaust & jacket Water Heat Exchangers for building hot water heat
- Can deliver 900 kW of base load to utility grid

ENCLOSURE:

- 280" long, 232" wide, 102" high
- Sound attenuated to 72 db(A) @ 25 ft.
- Aluminum panels w/6" foam insulation
- Interior lighting system

