



APARTMENT BUILDING: WEST ALLIS, WI

PROJECT PROFILE

A single mCHP system was installed in a 110-unit apartment building in West Allis, WI operating 24/7 at full capacity, heating domestic hot water for the building. While heating the water, the system also generated electricity. The immediate utility savings were evident, prompting the ownership group to install a second system as the building's thermal load could support it.

Encouraged by this success, the ownership group expanded the implementation to include two mCHP units in two other 110-unit buildings, bringing the total to six mCHP units - two mCHP systems at each of the three buildings. The successful implementation of the systems in multiple buildings within the same complex demonstrates the scalability of this unique technology. Each of the buildings was able to support two mCHP systems, showcasing the flexibility and adaptability of the Axiom Energy microCHP system in meeting varying thermal loads.

Data from March 13 - August 13, 2024

BUILDING 1

Total run hours, 2 units: 6,469

Total kWh, 2 units: 26,556.15

BUILDING 2

Total run hours, 2 units: 7,280

Total kWh, 2 units: 30,670.97

BUILDING 3

Total hours, 2 units: 7,292

Total kWh, 2 units: 31,483.93

TOTAL OF ALL BUILDINGS/SYSTEMS:

Grand total run hours: 21,041

Grand total kWh: 88,711.05

Savings @ \$0.15 per kilowatt:
\$13,306.66

*occupancy affects run hours