# PROJECT PROFILE

## Multi-Family Building

**Location:** West Allis, WI

**Application:** 3, 110-unit apartment buildings

**Installation:** 6 EcoPrime mCHP systems (2 per building)

## OVERVIEW

A single EcoPrime 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 EcoPrime units in two other 110-unit buildings, bringing the total to six mCHP units - two systems at each of the three buildings. The successful implementation of the systems in the same complex demonstrates the scalability of this unique technology. Each of the buildings is able to support two mCHP systems, showcasing the flexibility and adaptability of the EcoPrime microCHP system in meeting varying thermal loads.

**BUILDING 1**

**UNIT 1**
Electrical (kWh): 72,556
Heat (MMbtu): 643.68
Run hours: 17,866

**UNIT 2**
Electrical (kWh): 69,055
Heat (MMbtu): 612.62
Run hours: 16,611

**BUILDING 2**

**UNIT 1**
Electrical (kWh): 81,531
Heat (MMbtu): 724.46
Run hours: 19,565

**UNIT 2**
Electrical (kWh): 77,983
Heat (MMbtu): 692.94
Run hours: 18,714

**BUILDING 3**

**UNIT 1**
Electrical (kWh): 70,589
Heat (MMbtu): 626.23
Run hours: 17,865

**UNIT 2**
Electrical (kWh): 65,693
Heat (MMbtu): 582.80
Run hours: 16,697

Occupancy affects run hours

**Electric Savings: $65,611.05**
Data from June 2023 - Sept. 2025

based on $0.15 per kWh

ECOPRIME™

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