



EDNA MAHAN CORRECTIONAL FACILITY AND HUNTERDON DEVELOPMENTAL CENTER

BUILDINGS / AREA

66 / 760,162 sq ft

PROJECT VALUE

\$31,289,000

PROJECT TERM

15 Years

INCENTIVES

\$2,408,000

ECMs IMPLEMENTED

- ✓ LED Lighting Replacement
- ✓ Decentralization of the thermal plant (EMCF)

FIRST YEAR ANNUAL SAVINGS:

\$3,195,000 energy savings

STATUS

Final Construction Phase

The largest ESIP project awarded by the State, the EMCF and HDC campuses are located adjacent to one another in rural Hunterdon County. The two campuses were served by a central CHP plant until 2014 when HDC installed individual boilers in its buildings, significantly reducing the thermal load and eliminating the cost and energy efficiencies delivered by the CHP technology. In addition to the challenges of replacing aging infrastructure and buildings, the project also presented the challenge of working in a maximum-security prison and a facility for developmentally disabled adults.

After a comprehensive analysis at EMCF, DCO recommended individual 'boilers-in-a-box' to achieve implementational, operational and energy efficiencies while maintaining uninterrupted electric and thermal service to each facility. At HDC, a unique ECM such as non-flicker LED lighting provided improved lighting quality.

LOCATION

30 Route 513, Clinton, NJ 08809 (Edna Mahan Correctional Facility)

40 Pittstown Road, Clinton, NJ 08809 (Hunterdon Developmental Center)

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