



METRO ENERGY SOLUTIONS

ESSEX COUNTY CORRECTIONAL FACILITY

Metro Energy Solutions was contracted by the Essex County Improvement Authority (ECIA) as the energy consultant and construction manager to the ECIA with respect to the installation of a cogeneration plant to provide the primary source of electric and thermal energy for the Essex County Correctional Facility.

The Essex County Correctional facility is a brand new, state of the art, \$250 million correctional facility located in Newark, New Jersey. The prison is comprised of (4) housing units and (1) administration building. The facility is host to more than 2,000 inmates.

The 6.172 MW cogeneration plant provides more than 39M kWh to the facility as well as the thermal energy (steam) required on the site.

On behalf of the ECIA Metro Energy negotiated a 20 year power purchase agreement ("PPA") with DCO Energy to operate and maintain the plant. The cost of the energy facility was \$19,500,000 and was funded by bonds issued by the ECIA.

The energy facility came on-line September 2004 and has saved the ECIA millions of dollars in energy costs since the commissioning of the plant.



Project: Cogeneration Plant
Plant Size: 6.172 Megawatts
kWh Provided: 39,545,710
Project Cost: \$19,500,000



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