



CITY OF GENEVA

Developer: HWS Energy Partners LLC

Location: Geneva, Illinois U.S.A.

Installed: Spring 2004

The City of Geneva owns and operates a natural gas powered plant, consisting of five (5) Cat® G16CM34 engines. The G16CM34 engine provides world-class efficiency, enabling the city to control their electricity costs and maintain some of the lowest electric rates in the state of Illinois.

Cat medium-speed reciprocating engines were a clear choice for the City of Geneva; not only are natural gas fired engines a clean technology and environmentally friendly, but the Caterpillar® product line also offered the right size engine for the city's requirements.

The units were performance-matched delivering the most efficient management of projected wholesale energy costs. Moreover, the engines could be installed next to the city's existing substation, located in the business district and away from residential areas.

CATERPILLAR®



Caterpillar also provided generator paralleling switchgear, power distribution switchgear, engines and total power plant control systems. A state-of-the-art electrical generation management system using PowerLynx technology allows the city to monitor, control and manage the plant both on-site and remotely from the Geneva Electric Department Utility located in Geneva's Public Works building.

HWS Energy Partners, LLC of Champaign, Illinois developed the project with the City of Geneva. Industrial Technology Group Inc., also of Champaign, provided design engineering and managed the project.

Based on the city's project assessment, Caterpillar's comprehensive power solution could save the City of Geneva as much as \$200 million over the next 40 years.

Caterpillar Power Generation Systems provides total solutions for your business. We have the equipment, services, knowledge and experience to help meet your 1-100 MW power needs.

For additional information visit our website: www.cat.com/powerplants or email us at: cat-powerplants@cat.com

CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow" and the POWER EDGE trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

© 2007 Caterpillar Inc.
All Rights Reserved

TD/LEXE4032-03

CATERPILLAR[®]
TODAY'S WORK. TOMORROW'S WORLD.™