Case Study #2-4

Company Name: DaimlerChrysler Corporation

Number of Facilities (*as applicable)*: 1

Year(s) of Implementation: 2003 - Ongoing

Description of Activity: **Energy Curtailment -** DaimlerChrysler surveyed the energy consumption at its Kenosha Engine Plant for equipment and lighting operations during non-production hours. Based upon the survey results, a plan was formulated to turn off unnecessary loads as it was found that building lighting, production equipment and HVAC systems were running 24 hours per day and during weekends and holidays. Each department at the facility was made responsible for shutting off such equipment and lighting at the end of production shifts. Check-off sheets were developed to assist each department and periodic audits are conducted during down times to determine what loads have been left running. The facility also monitors real time electricity usage online through the local utility. Additionally, the facility also reduced the load on the building tempered air systems by raising the building temperatures from 80˚F to 85˚F during the summer months.

Specific Energy, GHG, Cost Benefits Achieved: Electrical energy consumption was reduced from 345 kWhr per engine produced in 2002 to 305 kWhr per engine produced in 2003, a savings of 40 kWhr per engine produced. This program prevents nearly 13,000 metric tons of CO2 emissions annually.

Additional Environmental Benefits: Air quality is improved by means of NOX emission reductions realized through the reduction of natural gas usage at DaimlerChrysler and NOX, SOX, Mercury and Particulate Matter reductions at the electricity utility generator due to DaimlerChrysler electricity reductions.

THE ALLIANCE OF AUTOMOBILE MANUFACTURERS
1401 EYE Street, N.W., Suite 900
Washington, DC 20005
PHONE (202) 326-5500 • FAX (202) 326-5598