



Case Study #2-6

Company Name: DaimlerChrysler Corporation

Number of Facilities (as applicable): 1

Year(s) of Implementation: 2003

Description of Activity: The Belvidere Assembly Plant has conserved natural gas usage at the facility by setting back the operating temperature of its Regenerative Thermal Oxidizers (RTOs) in its paint shop. The RTOs have been programmed to set back from approximately 1,450°F to 800°F during non-production shifts.

Specific Energy, GHG, Cost Benefits Achieved: The facility reduced natural gas usage by approximately 97,000 MMBtu per year due to the temperature set back. Savings totaled over \$500,000 when compared to operation at the higher temperature during non-production hours. The CO₂ emissions prevented as a result of the operating temperature change is nearly 5,200 metric tons per year.

Additional Environmental Benefits: Air quality is improved by means of NOX emission reductions realized through the reduction of natural gas usage at DaimlerChrysler.