



In 2007, The World Environment Center (WEC) and General Motors launched a Cleaner Production project with Shanghai General Motors (SGM) and 40 of their suppliers. This project aimed for improved supplier competitiveness, while ensuring environmental performance and the more efficient use of natural resources. Through WEC's work with SGM, Cleaner Production practices have been implemented in waste mitigation, air and water quality, cost saving, and productivity, to protect public health and safety. WEC currently continues its work with SGM, yielding results in resource reduction, particularly in such areas as water, energy and raw materials.

In 2008, GM Holden enlisted the World Environment Center (WEC) to work with their suppliers to enhance their energy efficient and cleaner production practices in their manufacturing facilities. The project aimed to achieve supplier manufacturing and operational benefits, while simultaneously improving both environmental performance and efficiencies in the use of energy and other natural resources. GM Holden's suppliers received technical assistance in the effective application of Cleaner Production and Energy Efficiency improvement processes and practices regarding air and water quality, waste management, natural resources and raw material usage. As demonstrated by the GM Holden project, in most cases, the benefits outweigh the investments

52 projects underway or completed

20 future projects planned

7 future projects under consideration

Payback periods vary from immediate to 15 years with the vast majority of the projects having payback periods from immediate to two years.

For 40 projects for which investment/benefit data exist (40 projects), the results clearly indicate a positive payback even including the investment by the Australian government

Investments: \$465,000 vs. Benefits: \$879,000

GHG Reduction of 692 tCO₂/yr (8 projects)

Energy Savings of 15,949 G,J/yr (14 projects)

Water Use Reduction of 2,253 kL/yr (11 projects)

Solid Waste Reduction of 2,434 tonnes/yr (5 projects)

Liquid Waste Reduction of 201,000 kL/yr (10 projects)