

Award Recipient of the ENERGY STAR Challenge for Industry



Defiance Casting Operations
General Motors Company
26427 State Route 281 East
Defiance, Ohio 43512

General Motors (GM) Defiance Casting Operations employs over 1,300 people. The plant was founded in 1948. Today the plant is nearly 2 million square feet on almost 430 acres. The plant produces both iron and aluminum engine blocks and nodular iron crankshafts.

The plant achieved the EPA ENERGY STAR® Challenge for industry in 2010 reducing its energy intensity by nearly 11% within two years of its baseline — the equivalent of electricity use by 3,489 U.S. homes annually.

GM's Defiance Casting Operations has saved more than \$2.8 million in energy costs annually through its efforts to achieve the Challenge for Industry. Employees at the plant used energy-saving tactics such as replacing 3,600 high-intensity light fixtures with fluorescent fixtures and installing energy-efficient lighting throughout hallways, locker rooms, and the plants fitness center.

The plant strives to further reduce its environmental footprint through additional efforts, such as:

- Increasing water recycling,
- Recycling over 60 tons of plastic, glass, aluminum, and cardboard per year,
- Using iron casting made from recycled materials, and
- Reusing foundry sand.

For more information contact:
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