

**MAGNA**

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*Ductile Iron Components Made Easy.*

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**Sub : Energy Conservation Measures.**

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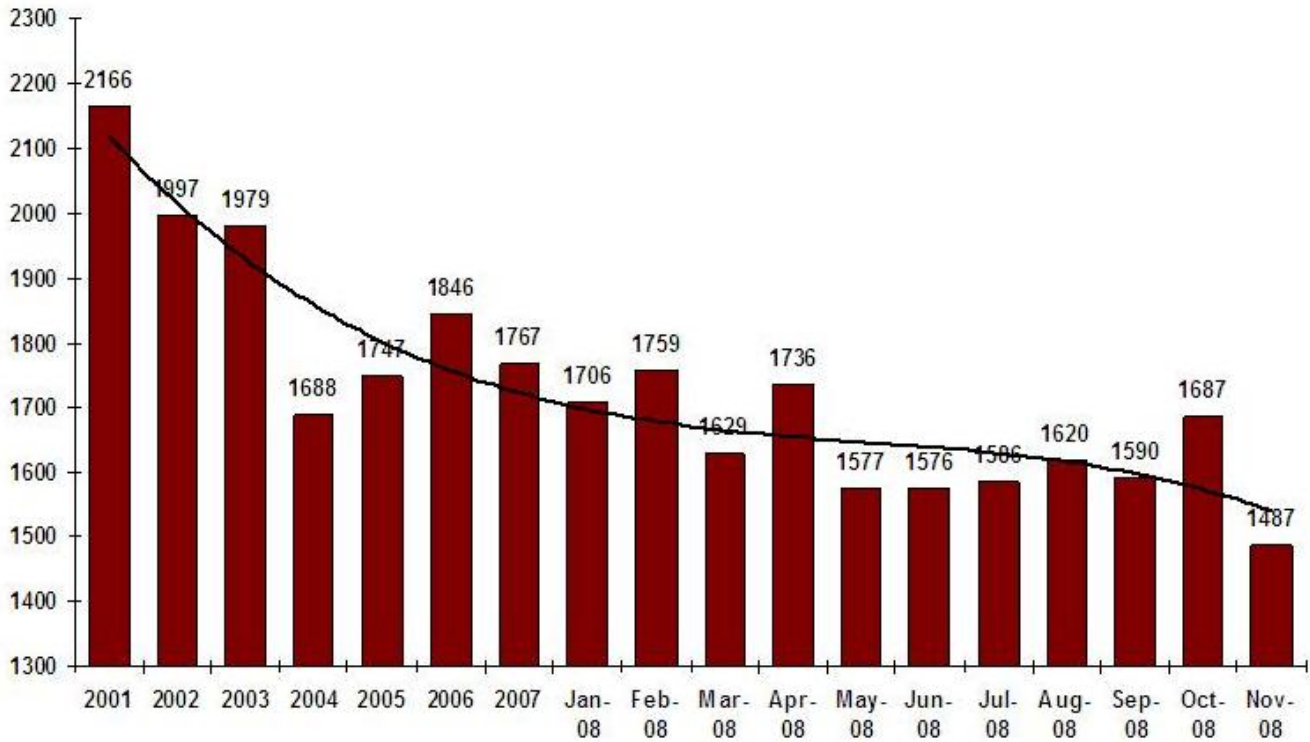
*Magna is taking lot of efforts in conserving the energy and is proud to submit the progress report on its efforts.*

*Magna began its energy conservation measures way back in the year 2001 by appointing M/s.Tata Energy Research Institute to conduct a comprehensive energy audit and to give recommendations to reduce energy consumption.*

*Since then Magna had implemented the following actions to reduce energy consumption per ton of good castings produced:*

- 1. Switching over to energy efficient electrical devices replacing conventional machines.*
- 2. Power factor improvement.*
- 3. Reducing cycle time in the induction furnaces by optimizing operational methods.*
- 4. Improving the quality of products manufactured by reducing rejections thus improving net yield.*
- 5. Rigorous yield improvement programs with intensive use of MAGMA solidification software.*

## Power Consumption per ton of good casting, units



*The above actions resulting in continuous reduction of energy consumption per ton of good casting produced and reached below 1500 units per ton in the month of November 2008, which is a benchmark for any industry of its nature. Further Magna plans to achieve the international benchmark of 1400 units per ton by the year 2009.*

*With the above improvements Magna is able to:*

- 1. Reduce the energy consumed, thus saving natural resources.*
- 2. Protect its customers from increase in energy costs to the extent possible.*
- 3. Meet production targets even with power cuts announced by the state electricity board.*