



**American  
Iron and Steel  
Institute**

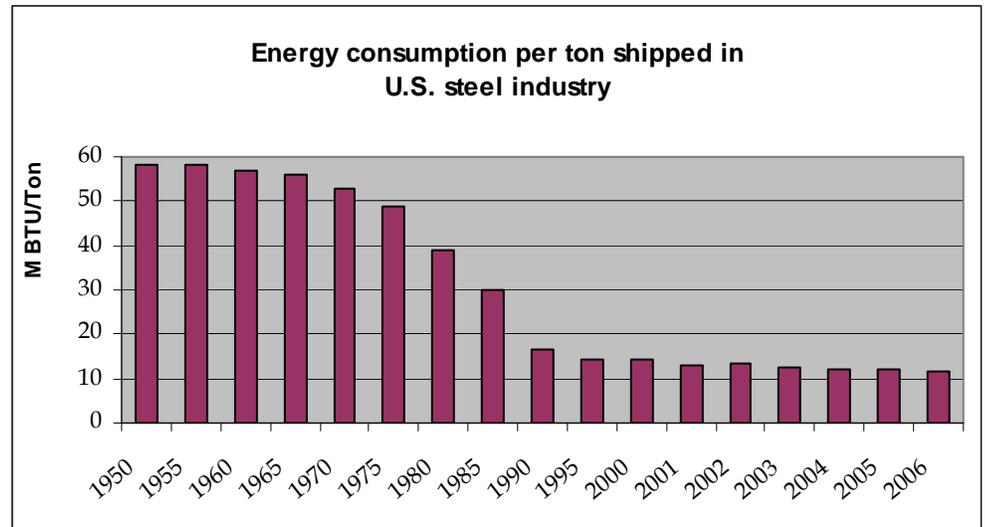
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# U.S. Steel Industry: World Leaders in Energy Efficiency

Since 1975, the steel industry has invested over \$60 billion in new technologies to improve energy efficiency and productivity. In a typical year, over 15 percent of the steel industry's capital expenditures (over \$2.3 billion in 2003 and 2004) are directed toward environmental facilities.

In the last two-and-a-half decades, annual energy consumption by the steel industry has been reduced by more than 60 percent and 29 percent since 1990.



Source: U.S. Dept. of Energy and AISI

- The U.S. steel industry has reduced its energy intensity per ton of steel shipped by **29%** since 1990. Since 2002, energy intensity is down **15%**. Because of the close relationship between energy use and greenhouse gas emissions, the industry's aggregate CO<sub>2</sub> emissions per ton of steel shipped were reduced by a comparable amount during the same period.
- According to EPA's national greenhouse gas emissions report for 2004, Iron and Steel represented **16.3%** of the industrial process emissions yet were only **0.7%** of the total U.S. emissions.
- The steel industry is working to develop new, advanced steel products and applications that will yield even greater energy benefits. For example, the UltraLight Steel Auto Body-Advanced Vehicle Concepts (ULSAB-AVC), received the Stars for Energy Efficiency award from the Alliance to Save Energy for its significant advances in solutions for vehicle energy efficiency through new lightweight Advanced High-Strength Steel (AHSS) applications.
- The steel industry has established a Climate VISION commitment to improve its energy efficiency by **10%** by 2012, with 2002 as a basis. The industry has already achieved that reduction in just four years!
- If every individual and segment of the U.S. economy had achieved the same energy improvements as the steel industry, the U.S. would **exceed** Kyoto accords.
- The steel industry is investing millions of dollars in the CO<sub>2</sub> Breakthrough Program, research aimed at developing future steelmaking processes that will emit little or no CO<sub>2</sub>.