

Consumed by Pumps

A Look at the Impact of Pumps on Energy Consumption Infographic

Many industrial operations fail to take into account life cycle costs when designing a pumping system, yet they have a tremendous impact on costs and energy consumption.

25%
of power consumption by electric motors is due to pumps

50%
is the amount of clearance that can be reduced by switching to a polymer wear ring

20%
of the world's demand for electricity is due to pumping systems

Sources: Pump Life Cycle Costs: A Guide to LCC Analysis for Pumping Systems, US Department of Energy *Reliability Advantage*, Consider High Performance Polymers as Wear Components in Pumps, Vol. 8, 2006.

2/3
of US industrial electricity usage can be traced back to pumps

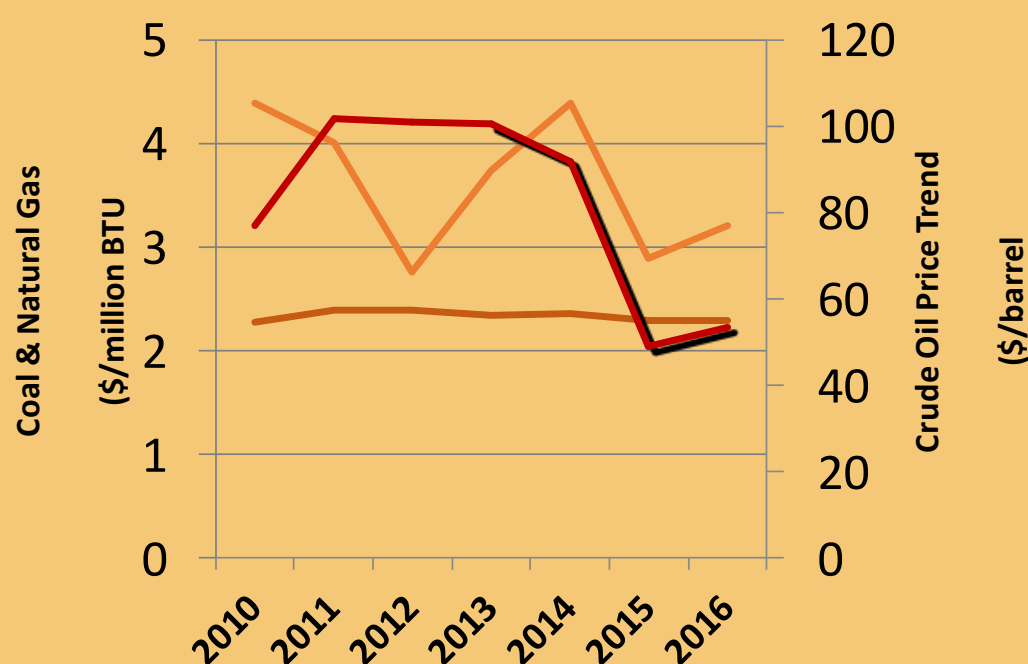
20-50%
of the electricity demand in certain industrial plants operations is due to pumping systems

4-5%
is the typical efficiency gain when the clearance is reduced by 50%

30-50%
is the reduction in energy consumption that can be achieved through changes in controls or equipment in pumping systems

While the price of coal has stayed fairly stable over the last several years, the price of natural gas has been a bit more unpredictable, as is the price of crude oil, both of which the Depart of Energy predict to increase by next year.

Energy Prices by Fuel Source



Advanced EMC Technologies

Statistics prove better pumps provide better energy efficiency and cost reduction. Need more customized information on advanced polymer solutions, [click here](#).