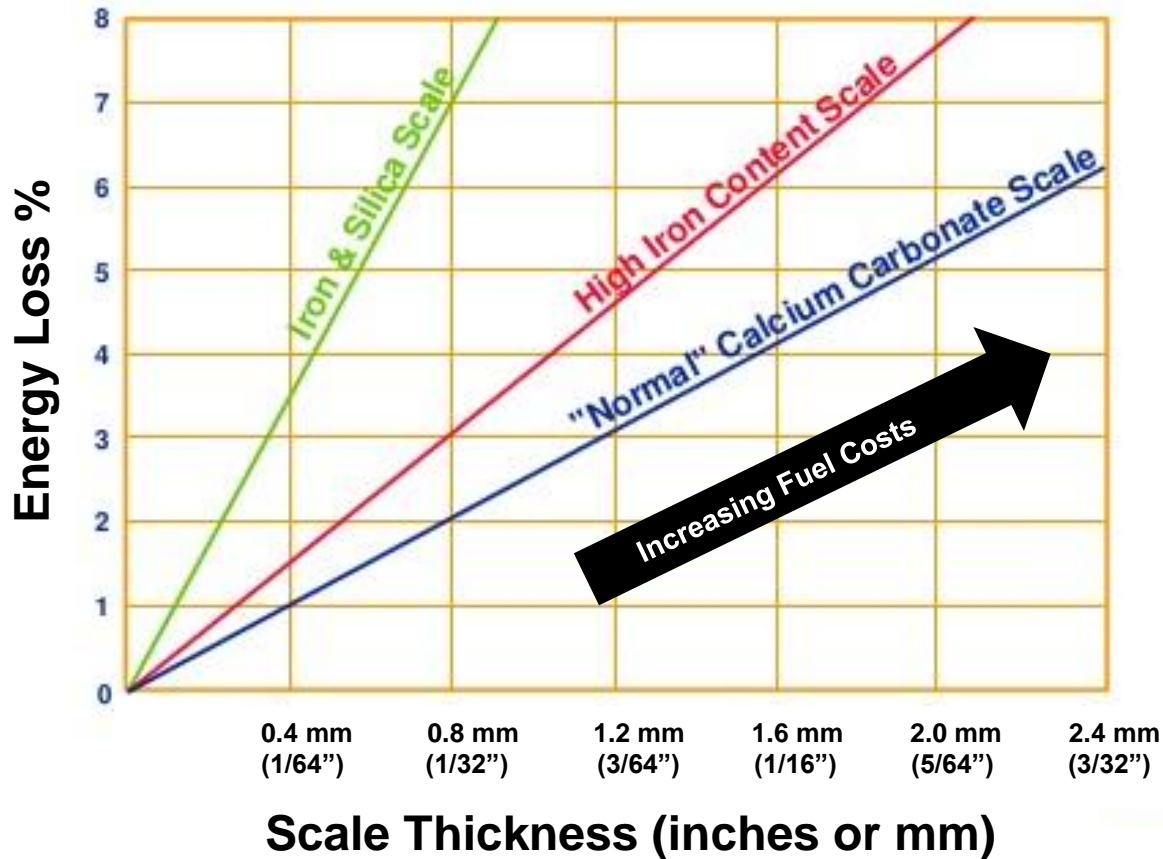




Energy Loss from Boiler Scale Deposits

(from Energy Conservation Programme Guide for Industry & Commerce)



Additional Costs of Scale in Boilers

1. Increased operating costs caused by running at higher treatment levels to remove mineral scale.
2. Cost of acid cleaning procedure including contractor, chemicals and disposal costs.
3. Cost of repairing and returning boilers to operating condition.
4. Costs of boiler depreciation due to corrosion, pitting, cleaning, expansion and contraction strains and other effects of scale.
5. Loss of time, inconvenience and delays due to excess scale in boilers.