# SUPPLEMENTARY FIRED WASTE HEAT BOILER


MNK® ENERJi

# You no longer need

additional fired steam boiler for increasing steam production capacity of your plant if you have a Gas Turbine Cogeneration.

# We have a solution

Economizer outlet temperatures are generally high in HRSGs, because the need for sensible heat is less than the need for evaporation. If we fire the natural gas without the combustion air by using turbine exhaust, we can use 100% of the natural gas's energy. We can recover exhaust energy because of increasing the steam amount.

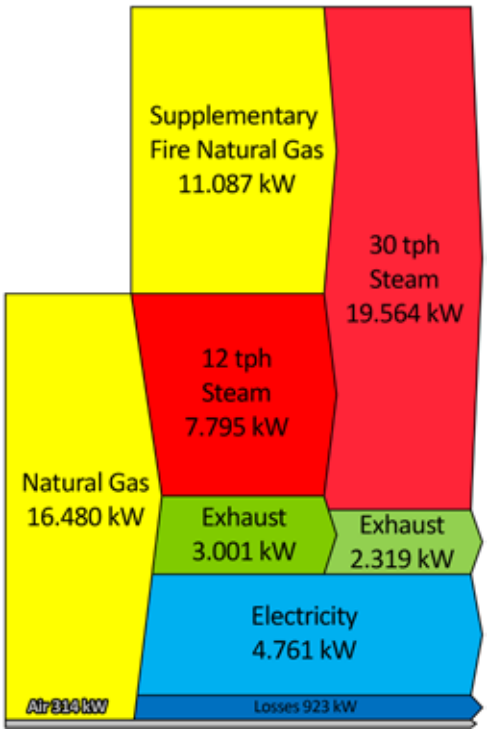
***High Cogeneration Efficiency***
is possible %87 with economizer, %100 with condensing economizer.

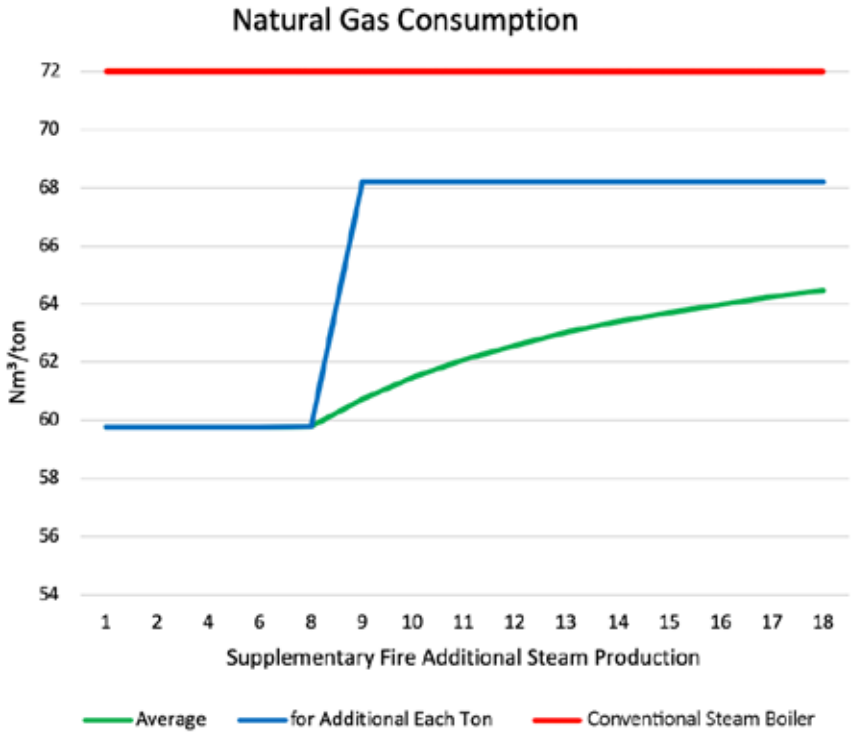
***Fresh Air Firing***
steam generation operation is available when the turbine is not operating

***$CO_2$ Emission Reduction***
is possible by increasing the Coneneation Efficiency

*The graphs and tables below are made with the Solar Taurus 60 Turbine for 4,76 MWe and 30 tph 8 $bar_g$ steam production.*

*- Blowdown, insulation and damper losses are ignored.*





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