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Increasing Natural Gas Energy Efficiency

Large buildings can consume a lot of natural gas for building space heating and to heat domestic water and to even heat the swimming pools. A lot of the natural gas appliances being used are not "condensing" rated appliances. Those buildings and facilities that have natural gas appliances that are not operating at over 90% energy efficiency must add to the heating equipment a condensing economizer.

This condensing economizer when properly engineered will increase the buildings natural gas consumption to well over 90% efficiency, but by applying and increasing the building or facilities natural gas energy efficiency will also be greatly reducing the locations CO2 emissions. In every 1 million Btu's of heat energy that is recovered and utilized, 117 lbs of CO2 will not be put into the atmosphere.

In every 1 million Btu's of combusted natural gas are 5 gallons of recoverable - distilled water. When the heat energy is removed/recovered out of the exhaust, water is being created. The more the heat energy is removed, the greater the volume of water produced.

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