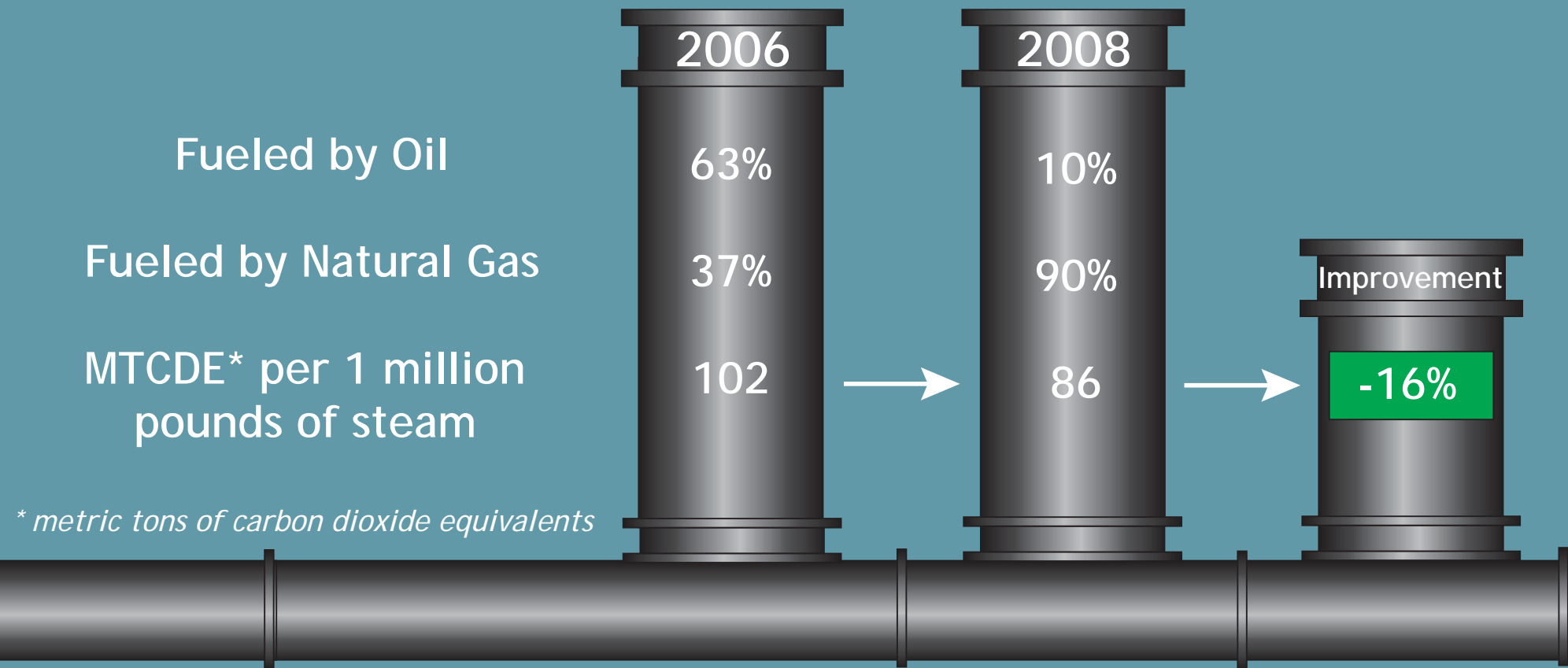
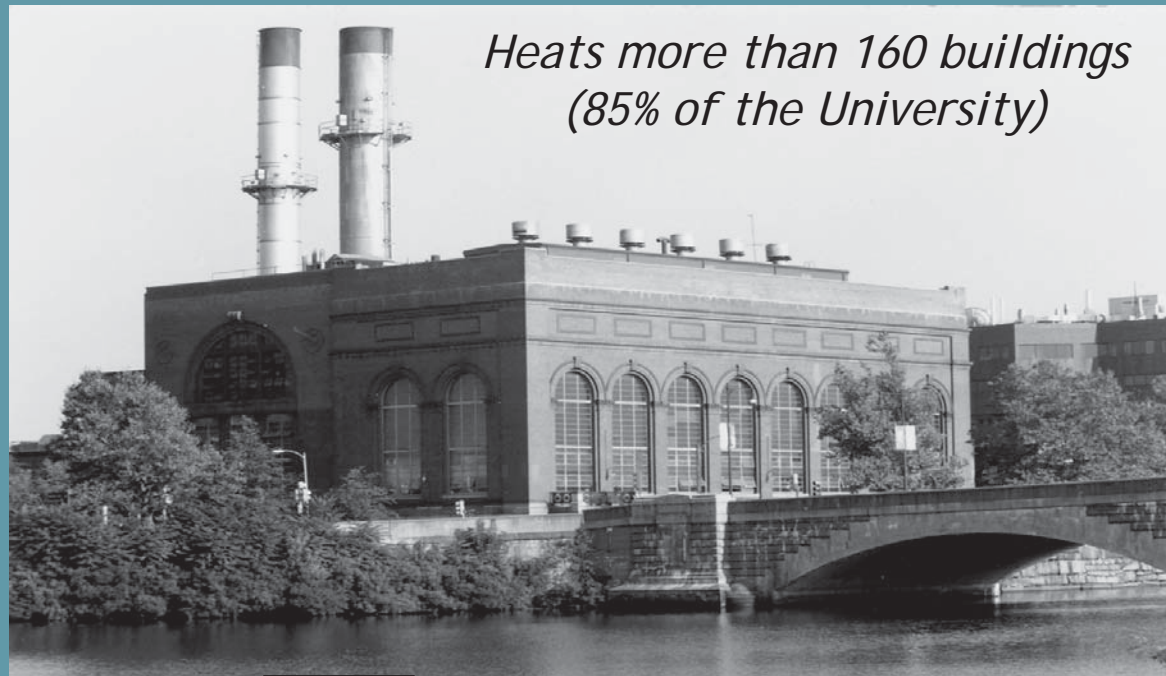


# The Blackstone Steam Plant - Increasing Efficiency



Greater reliance on natural gas to fuel the Blackstone Steam Plant has significantly reduced GHG emissions. Compared to 2006, the plant now emits 16% fewer Metric Tons of Carbon Dioxide Equivalents (MTCDE) for every one million pounds of steam produced. *(the plant generates about 679 million pounds of steam annually)*

Other recent plant improvements include the installation of a back-pressure turbine and high efficiency boiler. The turbine can generate more than 5-megawatts of electricity, enough to power about 1,000 homes, as a byproduct of the steam flowing out to heat campus buildings (a process known as cogeneration or combined heat and power). Self-generating this electricity will offset approximately 6,000 MTCDE from purchased electricity annually. The new boiler is expected to reduce plant emissions by an additional 2% or 2,000 MTCDE per year.



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