

Texaco, Inc.

White Plains, NY

*prepared by
Clevenger Frable LaVallee Inc.*

*Restaurants & Institutions/
Foodservice Equipment &
Supplies Specialist
“1996 Steam Design Award”*



project data

Population:	1200
Number of Seats:	300
Total Area:	7600 sf
Foodservice Equipment Cost:	\$210,000
Total Project Cost:	\$1,800,000

situation analysis

Texaco, Inc., world leader in petroleum energy resources and petroleum based by-products, implemented an energy conservation program to reduce energy consumption at their corporate headquarter facility. The existing kitchen was 17 years old with all electric appliances. The initial direction was to replace the electric appliances with gas fueled units.

the challenge

To convince the project team members that it was in the Owner's best long term interest to replace, where necessary, existing electric appliances with those steam fueled, and to rely on the existing steam boiler as a primary fuel source. Where possible, electrically fueled units would be retrofitted to operate on steam. This would complicate what was intended to be a simple, natural gas conversion project—impacting all areas of the headquarters building; however, the life-cycle cost benefit, of converting to steam, was proven to the Owner.

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Project Profile *Texaco, Inc.*

project strategy To prepare an analysis of initial capital and long term operating costs for continued operation in an electrical mode, and for separate conversion to gas and steam as an alternate fuel source. Also, evaluate recently purchased pieces of electrical foodservice equipment for conversion to steam fueled units.

solution The energy analysis indicated that a one-for-one replacement of electrically fueled cooking appliances with steam fueled units was the best decision. The recently purchased electrically, heated dishwasher was converted to steam as its fuel source for tank heat.

results The project was successfully completed without interrupting the foodservice operation. A payback period of 22 months is anticipated.



Texaco Inc. Cooking Bakery