

**New York State  
Environmental Investment Program  
Capital Project Summary**

**Israel Beigel Baking Company**

**Project Background**

Israel Beigel Baking Company is a family-owned kosher bakery that has been in business since 1948. The company is unique in that it produces a full line of sweet products and breads (most competitors bake only one or the other). At the time the project was proposed, the company was located in a 12,000 sq. ft., circa 1800s facility in the Williamsburg section of New York City and used three antiquated (possibly circa 1920) ovens to bake product. The ovens leaked heat, had to be opened to check for doneness, caused waste rates of 5% due to uneven baking and, because they required six hours to heat up, had to be kept at baking temperature 24 hours per day. The proposed project consisted of replacing the ovens, the proofer (a box in which breads rise and warm up prior to baking) and the gas fired boiler that provided steam to both. State-of-the-art ovens are computer controlled, air tight, extremely more efficient, require no door opening during baking and heat up in less than 30 minutes, allowing shut down between baking cycles. With less heat leakage during baking and a new boiler, Beigel projected reducing emissions of SO<sub>2</sub>, NO<sub>x</sub>, CO, NMTOC, CO<sub>2</sub> and particulates by 1.13 million pounds per year and saving \$106,000 per year in fuel and operating costs.

**Project Description**

Soon after the project was approved, the company determined that it made sense to relocate rather than continue operating at the existing location with the new oven. The new oven was very large and would have caused inefficient use of space in the antiquated facility. Beigel had not moved in the past because of the down time it would have created, but removal of the existing oven was going to require extensive downtime anyway, so moving at this juncture made sense. The new facility is 50,000 sq. ft., circa 1940, in the nearby Clinton Hill neighborhood. In addition, the new facility has access to natural gas service (the old one did not) thus the newly installed equipment is gas-fired, increasing project-related savings and further reducing pollution associated with the bakery. The new ovens, proofer and boiler were installed in August 2003 and started up one month later.

**Project Results**

With the new baking system and boiler, Beigel saved over \$191,000 per year in fuel and waste reduction and decreased pollution to a fraction of what it was. The company increased sales 5% and has the ability to develop new products.

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<b>Contractor:</b>	NYC Industrial & Technology Assistance Ctr.	<b>NYS EIP Investment:</b>	\$237,500
<b>County:</b>	Kings	<b>Contractor Match:</b>	\$238,843
<b>ESD Region</b>	New York	<b>Total:</b>	\$476,343
<b>ESD Contact:</b>	518/292-5340	<b>Completion Date:</b>	Nov. 2003