

Types of Services—

Assisting Start-Up Companies (Licensees) Manufacture Greenest Brick

Assisting Established Companies (Licensees) Manufacture Greenest Brick

1. Pursue R & D, technology licensing, technology transfer, consulting services, and commercialization of fly ash brick related technologies and products.
2. Conduct tests for electric utilities and other organizations that are seeking to use their fly ash for making bricks, blocks and other construction materials, using the proprietary brick-making process developed by FPC and now owned by Green Brick Company. Two types of services are offered:
 - Preliminary tests to determine the quality (strength and freeze/thaw resistance) of fly ash bricks that can be made from particular types of fly ash. (To be completed in 3 months at \$5,000 for each type of fly ash tested, including a test report.)
 - A detailed investigation to determine both the quality of the fly ash bricks made from a maximum of three types of fly ash from a given power plant, and a preliminary market and cost analysis to determine the cost of manufacturing such bricks and their market potential. (To be completed in 6 months at \$30,000.)
3. Help licensees to plan, design, and analyze the cost-effectiveness of any factory for manufacturing fly ash bricks. (To be completed in 6 months at \$50,000).
4. Test the quality of fly ash bricks (also known as Greenest Bricks) produced at any given factory for quality control and/or certification purposes. The tests to be performed may include: (1) compressive strength, (2) freeze-thaw resistance, (3) flexure strength, (4) shear strength, (5) bond strength, (6) water absorption, (7) thermal conductivity (including R-value), (8) acoustic resistance, and (9) environmental tests including leachate of chemicals, emission or adsorption of mercury in air, etc. The cost depends on the types of tests, number of tests, and the number of bricks to be tested.
5. Help licensee troubleshoot during operation of Greenest Brick factory. (Costs depend on the man-hour spent and expenses encumbered.)