

around \$54/year. The investment proved to be cost effective based on an experimental house used in ORNL tests that had an attic area of 1,200 square feet. If radiant barriers are installed by the homeowner, costs range from \$60-\$180 at 5¢-15¢/sq. ft. For horizontal installation by a contractor, the total costs are expected to range from \$150 to \$600. The payback period, for a typical, self-installed home, should not exceed 4 years (Karnitz, 1988). No warranty on energy savings is issued by the sellers; warranties are limited to defective workmanship.

As a pilot project, TVA has installed radiant barriers in 30 homes each in Hopkinsville, Kentucky, and Tupelo, Mississippi. Since radiant barriers are

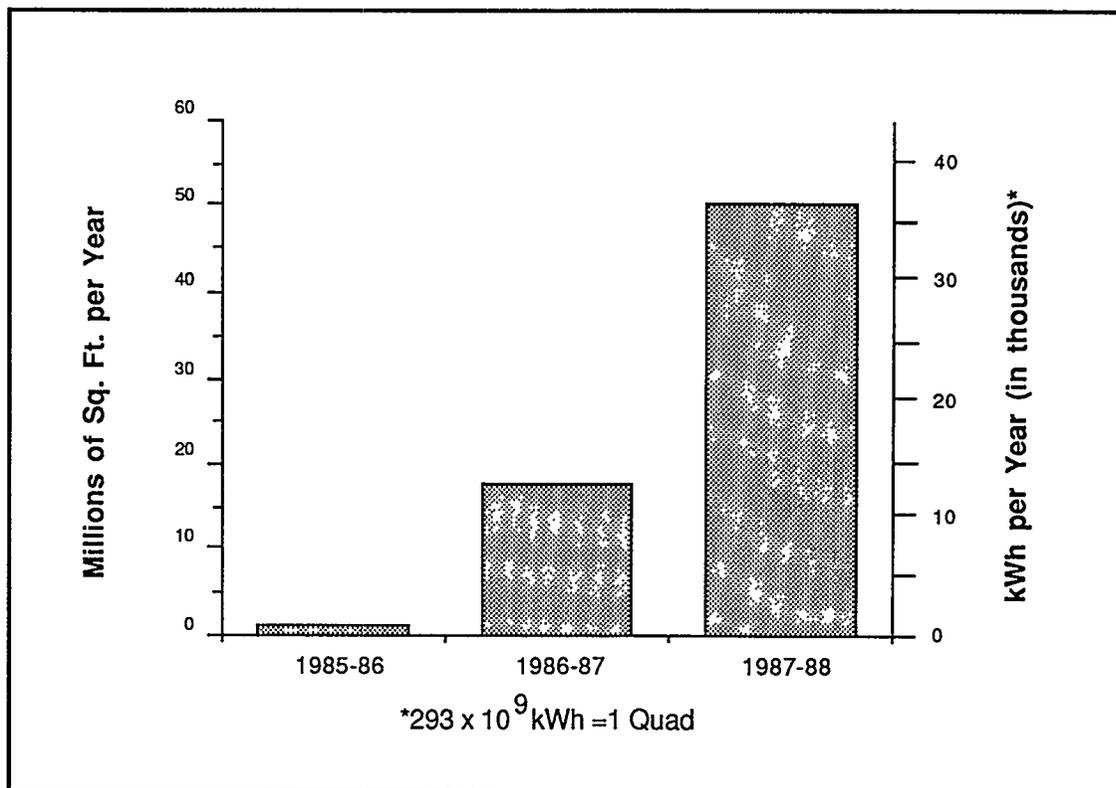


Fig. 5.2. Energy savings from estimated sales of radiant barriers.