

Flame retention head oil burners are now used in essentially all new, residential oil furnaces and boilers. But they are used in very few commercial buildings, despite the fact that their cost-effectiveness in certain segments of the commercial sector may be considerable. DOE should work in conjunction with manufacturers to determine the performance of FRHOBs in the commercial sector. If the economies of adoption are judged to be favorable, an information outreach program should be sponsored aimed at oil suppliers and state energy offices, primarily in New England.

Further penetration of the supermarket refrigeration compressor system (and the next generation innovation - variable speed compressors) could be encouraged through strengthening the service infrastructure that installs, repairs, and maintains these systems. Working with the Food Marketing Institute and major manufacturers of refrigeration systems, DOE should help establish a training program to upgrade the skills of refrigeration engineers.

For both low-E windows and solid-state ballasts, the market is growing rapidly and there do not appear to be any major obstacles to its further expansion. Greater public knowledge of both innovations could accelerate the diffusion process, however, and would be a low-cost, effective activity for DOE.

Market penetration of dielectric coatings is likely without significant further public support. DOE monitoring is nevertheless desirable just in case Omega Energy does not continue to experience rapid growth in sales.

DOE-2 has a mature and effective distribution system and has achieved widespread acceptance and use. Nevertheless, it is an evolutionary software program that may require small infusions of DOE support in order to keep it up-to-date.