

\$35-40. Thus, builders who construct buildings for speculative purposes may be unwilling to pay the higher front-end costs.

5.1.6 Future Directions

The annual doubling of Omega Energy's sales of their lighting fixtures with dielectric coatings suggests that this technology will continue along the path to full commercialization. DOE should monitor its market penetration to see if the expected expansion continues. At present, no active involvement is needed.

5.1.7 Sources of Information

Interviews

Carmen Bisher, Jr., Omega Energy, Inc., Haywood, California, April 1988.

Rudolph Verderber, Lawrence Berkeley Laboratory, Berkeley, California, April and October 1988.

Other

Video tape produced by Omega Energy, Inc., Haywood, California.

Documents

Rubins, H. L. 1981 Optical Interference Coatings for Improved Luminaire Performance: Final Report, LBL-12176/UC-95, Lawrence Berkeley Laboratory, Berkeley, California.

5.2 HEAT PUMP WATER HEATER

5.2.1 The Innovation

Water heating accounts for approximately one-fifth of the energy used by households in the U.S. Nearly one-third of these households (or approximately 30 million) use electric resistance water heaters, the primary