



Energy Star Programs

ENERGY STAR PROGRAMS



Electricity generation is a source of air pollution, accounting for 35 percent of all U.S. emissions of carbon dioxide, 75 percent of sulfur dioxide, and 38 percent of nitrogen oxides. EPA has formed revolutionary, voluntary new partnerships with the private sector to encourage the production and use of energy-efficient equipment that reduce air pollution. The flagship Green Lights program helps businesses and other organizations cut their lighting electricity bills. It is also the first step in the comprehensive Energy Star Buildings program, which addresses heating, cooling, and air handling in commercial buildings. The Energy Star Computers program works with manufacturers and end users to bring more energy-efficient computers to market. These exciting public-private partnerships are changing the way the country consumes energy—and they're preventing pollution profitably!



Green Lights: A Bright Investment in Energy Efficiency

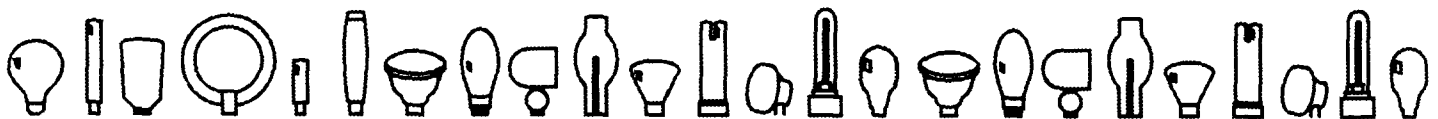
Lighting accounts for 20–25 percent of all electricity use in the United States. If everyone in the country used energy-efficient lighting, the nation could save—and reinvest—about \$16 billion per year, and could reduce carbon dioxide, nitrogen oxides, and sulfur dioxide

emissions from utilities by up to 12 percent.

By forming voluntary working partnerships with over 1,150 businesses, institutions, and nonprofit organizations, the Green Lights program has taught these organizations to view lighting as an opportunity for investment,

rather than as simply a fixed overhead cost. Green Lights works with participants to encourage the installation of energy-efficient lighting, only where profitable and where lighting quality is maintained or enhanced. EPA provides technical support to participants, as well as

employee education and opportunities for public recognition for their environmental leadership. By applying the Green Lights formula for success, these organizations have realized average rates of return on their investments of 30 percent or more.





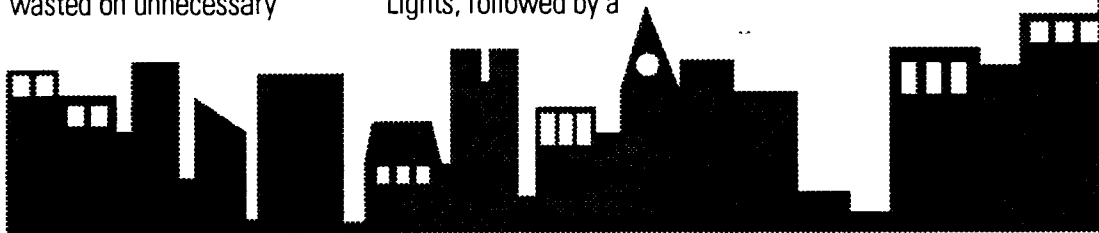
Energy Star Buildings: Maximizing Energy Efficiency—and Profits

The United States spends approximately \$70 billion annually to operate commercial and industrial buildings. Now, a wide variety of energy-efficient technologies can cut this energy use by more than 40 percent. That amounts to \$28 billion that can be reinvested in the economy each year, rather than wasted on unnecessary

electricity use. More important, this profitable and efficient use of energy means less air pollution!

The Energy Star Buildings program is a five-stage process in which EPA asks participants to perform energy-efficiency upgrades only where profitable. The program starts with membership in Green Lights, followed by a

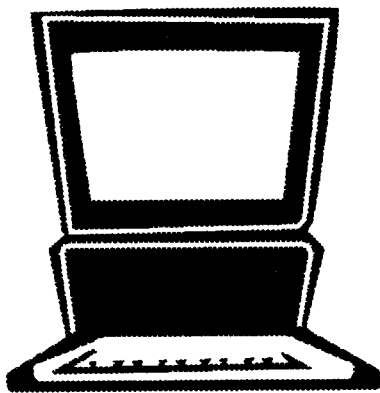
comprehensive building survey and tune-up. It then calls for reducing heating, ventilation, and air-conditioning (HVAC) loads and improving fans and air-handling systems. The program finishes with an improved HVAC plant, comprised of more efficient chiller and heating systems.



Energy Star Computers: Saving Money by Going to Sleep

Computers currently account for 5 percent of commercial electricity consumption. As the fastest-growing business electricity load, this could rise to 10 percent by the year 2000. As many as 30–40 percent of personal computers are left running at night and on weekends. Recognizing this significant, energy-saving opportunity, EPA has formed a partnership with leading computer manufacturers

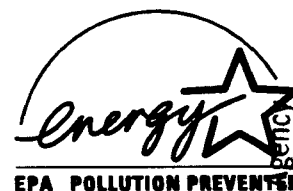
to develop desktop computers, monitors, and printers that can “sleep,” or “power-down,” when not in use. Now available to consumers and busi-



nesses, this sleep feature can cut a computer's electricity use by over one-half.

Look for computer products with the Energy Star™ logo. Together, we could save enough electricity each year to power Vermont and New Hampshire, to cut electricity bills by \$2 billion, and to reduce carbon dioxide pollution equal to the emissions from 5 million automobiles.

The Energy Star programs offer the kind of tools pioneered by the Green Lights program—objective product information, expert decision-making capability, extensive technical support, and the ability to publicize progress in environmental protection. Energy Star Buildings and Energy Star Computers are adding to the momentum established by Green Lights, and already the air is cleaner!



EPA POLLUTION PREVENTION

For more information

For more information contact:

Energy Star Programs
U.S. EPA (6202J)
401 M Street, SW
Washington, DC 20460
Fax: 202 775-6680

Or call: 202 775-6650

For more information by fax (available 24 hours a day), call 202 233-9659