

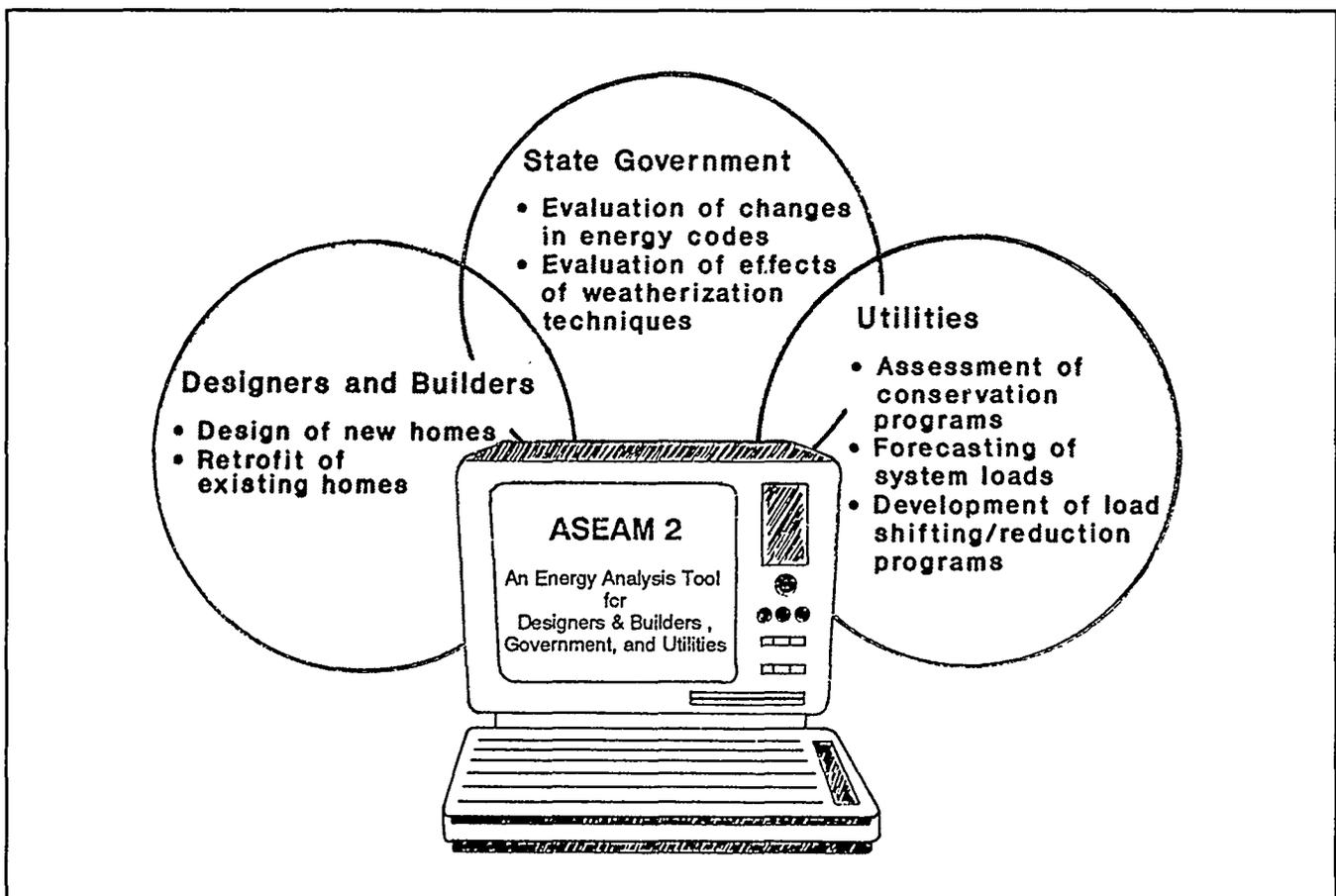
## A Simplified Energy Analysis Method (ASEAM-2)

DOE developed ASEAM-2 to provide an accurate, easy-to-use energy analysis tool in the public domain for design and retrofit applications. This computer program is modular in design, allowing users to integrate it with other software, such as life-cycle costing and daylighting programs. ASEAM-2 can simulate thirteen different types of HVAC distribution systems, model up to ten energy load zones within a building, and size systems automatically. Users can evaluate the effects of changes in lighting, heating/cooling equipment or increased insulation; estimate energy results for life-cycle cost analysis; and assess the benefits of retrofit options. The system is of great benefit to state governments; the effects of proposed changes in state energy codes can be analyzed, consistency in the results of energy

audits can be established, and the effects of different weatherization techniques can be reviewed. Applications for utilities include assessment of conservation programs, forecasts of system loads, and development of load-shifting and load-reduction programs.

### Energy Institutes

To promote the transfer of energy-efficient building design technologies and ensure continued interest in energy-efficient design and engineering, DOE has sponsored several faculty institutes in cooperation with the Association of Collegiate Schools of Architecture and the American Consulting Engineers Council. To date, the institutes have attracted 350 faculty members representing 90 percent of the U.S. schools of architecture and 180 faculty members



**ASEAM-2 provides a wide variety of users with public domain software for design and retrofit of HVAC systems.**