

25D.

FOR THE PURPOSE OF EVALUATING LIFE-CYCLE COSTS THE DEPARTMENT SHALL ESTABLISH AND UNIFORMLY APPLY A DEFINITION OF WHAT CONSTITUTES THE LIFE OF A BUILDING. THE DEPARTMENT SHALL ALSO SUPPLY DEFENDING CRITERIA FOR THE SELECTION OF THE DEFINITION.

25E.

(A) THE DEPARTMENT SHALL ESTABLISH STANDARDS AND PROCEDURES, INCLUDING ENERGY CONSERVATION PERFORMANCE GUIDELINES FOR EVALUATING THE EFFICIENCY OF DESIGNS FOR ALL PROPOSED STATE-FINANCED AND STATE-ASSISTED BUILDING CONSTRUCTION. THESE STANDARDS AND PROCEDURES SHALL TAKE EFFECT BY MARCH 1, 1979.

(B) THE LIFE-CYCLE COSTS SHALL BE THE SUM OF:

(1) THE REASONABLY EXPECTED FUEL COSTS OVER THE LIFE OF THE BUILDING, AS DETERMINED BY THE DEPARTMENT, THAT ARE REQUIRED TO MAINTAIN ILLUMINATION, POWER, TEMPERATURE, HUMIDITY, VENTILATION, AND ALL OTHER ENERGY-CONSUMING EQUIPMENT IN A BUILDING; AND

(2) THE REASONABLE COSTS OF PROBABLE MAINTENANCE, INCLUDING LABOR AND MATERIALS, AND OPERATION OF THE BUILDING.

(C) TO DETERMINE THE LIFE-CYCLE COSTS AS DEFINED IN SUBSECTION (B), THE DEPARTMENT SHALL ESTABLISH STANDARDS THAT SHALL INCLUDE, BUT NOT BE LIMITED TO:

(1) THE ORIENTATION AND INTEGRATION OF THE BUILDING WITH RESPECT TO ITS PHYSICAL SITE, IF WIND OR SOLAR ENERGY IS TO BE EMPLOYED;

(2) THE AMOUNT AND TYPE OF GLASS EMPLOYED IN THE BUILDING AND THE DIRECTIONS OF EXPOSURE;

(3) THE EFFECT OF INSULATION INCORPORATED INTO THE BUILDING DESIGN AND THE EFFECT ON SOLAR UTILIZATION OF THE PROPERTIES OF EXTERNAL SURFACES;

(4) THE VARIABLE OCCUPANCY AND OPERATING CONDITIONS OF THE BUILDING AND SUBPORTIONS OF THE BUILDING; AND

(5) AN ENERGY CONSUMPTION ANALYSIS OF THE MAJOR EQUIPMENT OF THE BUILDING'S HEATING SYSTEM, VENTILATION SYSTEM, COOLING SYSTEM, LIGHTING SYSTEM, HOT WATER SYSTEM, AND ALL OTHER MAJOR ENERGY-CONSUMING EQUIPMENT AND SYSTEMS AS APPROPRIATE. THIS ANALYSIS SHALL INCLUDE:

(I) THE COMPARISON OF ALTERNATIVE ENERGY SYSTEMS, EACH OF WHICH UTILIZES THE MOST PLENTIFUL AND AVAILABLE ENERGY RESOURCES IN COMBINATIONS WHICH RESULT IN GREATEST ENERGY EFFICIENCY BOTH IN THE BUILDING AND AT THE