

EXECUTIVE ORDER

01.01.2001.02

Sustaining Maryland's Future with Clean Power,

Green Buildings and Energy Efficiency

WHEREAS, The State of Maryland has consistently demonstrated a commitment to preserve and enhance our precious natural resources, particularly the Chesapeake Bay, for the enjoyment of future generations;

WHEREAS, Maryland's economy and the health and quality of life of its citizens are dependent on the careful stewardship of its environmental resources;

WHEREAS, Emissions of various pollutants from numerous sources such as power plants, vehicles, small businesses and industry contribute to detrimental human health and environmental impacts, including diseased respiratory health caused by ground-level ozone smog, global climate change, limited visibility and nitrogen deposition into local waters and the Chesapeake Bay, which has caused a large portion of Maryland to be identified as a serious or severe ozone non-attainment area by the United States Environmental Protection Agency;

WHEREAS, Excessive and improperly shielded outdoor lighting results in glare, energy waste, light trespass and sky glow; can be corrected through the implementation of policies and designs incorporating high efficiency lighting techniques, and will result in energy savings and cost reductions;

WHEREAS, Maryland administers several grant and loan programs that seek to increase energy efficiency in non-profit, local government and State buildings by reducing energy consumption, and has met goals regarding the reduction of State energy usage through energy performance contracting programs;

WHEREAS, Maryland is the first official partner with the United States Department of Energy's Million Solar Roofs program, which promotes the installation of 1 million solar roofs throughout the United States by 2010;

WHEREAS, The Governor and the General Assembly have enacted legislation promoting clean energy sources, including the "Maryland Clean Energy Incentive Act" that provides tax incentives for energy efficient appliances, for electric power generation using renewable energy sources and for the purchase of electric and hybrid vehicles;

WHEREAS, In support of the Governor's Smart Growth and Neighborhood Conservation Initiative, actions have been taken to increase the awareness of using energy efficient and environmentally responsible building practices, sustainable materials and ecologically sound site designs that provide comfortable, affordable and healthier buildings for Maryland's residents and workforce;

WHEREAS, the State of Maryland is one of the largest owners and operators of buildings and will continue to construct and/or renovate facilities over the years, which will provide opportunities to incorporate green building and green development principles and techniques

and demonstrate its commitment to enhancing the natural environment while realizing economic savings;

WHEREAS, "Green Building" is a philosophy of building design and construction which incorporates the following concepts: using natural resources efficiently; considering the impact of buildings on the local, regional and global environment; reducing building footprint size; allowing ecosystems to function naturally; conserving and reusing water; treating storm water on-site; maximizing the use of local materials; optimizing energy performance by installing energy efficient equipment and systems; optimizing climatic conditions through site orientation and design; integrating natural day-lighting and ventilation; minimizing the use of mined rare metals and persistent synthetic compounds; and minimizing construction waste by reducing, reusing and recycling materials during all phases of construction and deconstruction; and

WHEREAS, The Chesapeake 2000 Agreement reaffirms Maryland's commitment to lead by example in reducing nutrient pollution into the Chesapeake Bay and its tributaries by addressing the sources of airborne nitrogen deposition with the expansion of clean vehicle technologies, green building techniques and other energy efficient approaches.

NOW, THEREFORE, I, PARRIS N. GLENDENING, GOVERNOR OF THE STATE OF MARYLAND, BY VIRTUE OF THE AUTHORITY VESTED IN ME BY THE CONSTITUTION AND THE LAWS OF MARYLAND, HEREBY PROCLAIM THE FOLLOWING EXECUTIVE ORDER, EFFECTIVE IMMEDIATELY:

A. Clean Energy Procurement Goal.

- (1) For purposes of this Executive Order, "Green Energy" is defined as energy generated from the wind, solar photovoltaic, solar thermal, biomass, landfill gas and the combustion of municipal solid waste.
- (2) For the procurement of electricity for use within State owned facilities, the State of Maryland has a goal of 6% to be generated from Green Energy. No more than 50% of the total Green Energy procurement shall be derived from the combustion of municipal solid waste.
- (3) In the selection of a power generation contractor chosen through the procurement process, priority consideration should be given to companies that produce green power in Maryland. The chosen contractor shall obtain certification from a State approved accreditation process that the company has met the Green Energy goal.

B. High Efficiency Green Buildings Program,

- (1) The State shall develop a High Efficiency Green Buildings Program committed to utilizing energy efficient and environmentally responsible approaches in the design, construction, operations, maintenance and deconstruction of all new and, to the extent possible, existing State owned and leased facilities.
- (2) There is "Maryland Green Buildings Council" (the Council). The Council shall be Chaired by the Secretary of the Department of General Services and include:

(a) The Secretary, or a designee of the following agencies:

- i. The Department of Budget and Management;
- ii. The Department of the Environment;
- iii. The Department of Natural Resources;
- iv. The Department of Public Safety and Correctional Services;
- v. The Department of Transportation;
- vi. The Department of Housing and Community Development;
- vii. The Department of Planning;
- viii. The Maryland Energy Administration;
- ix. The Public School Construction Program; and
- x. The University System of Maryland.

(b) Six members appointed by the Governor to represent environmental, business and citizen interests, one of whom has expertise in energy conservation and/or production. Members appointed by the Governor shall serve at his pleasure for renewable and staggered 4-year terms.

(c) Members appointed by the Governor may not receive compensation, but may receive reimbursement for necessary and proper expenses directly related to their duties on the Council, in accordance with the Standard State Travel Regulations as provided in the State budget.

(d) Staff support to the Council shall be provided by the Department of General Services, with assistance as necessary to be furnished by other involved agencies and units of State government.

(3) The Council is charged with creating the High Efficiency Green Buildings Program. Within 180 days of its inception, the Council shall make recommendations to the Governor regarding appropriate criteria, standards and a numeric rating system (modeled after the United States Green Building Council's *Leadership in Energy and Environmental Design* (LEED) Green Building Rating System and the federal *Energy Star* Program) for use by the Program.

(4) Upon acceptance of the appropriate criteria, standards.

and a numeric rating system, the High Efficiency Green Buildings Program shall be fully adopted in the design, construction, operations, maintenance and deconstruction of new State owned and leased facilities. Reasonable effort should be made to incorporate these standards into the construction of all new facilities designed before the issuance of this executive order.

(5) For all existing State owned, leased and operated buildings, reasonable efforts shall be made to maximize the use of energy efficiency and resource conservation techniques.

(6) The Council shall also have the following additional responsibilities:

(a) The Council shall annually reevaluate the Clean Energy Procurement Goal contained in Section A above;

(b) The Council shall consider additional State energy efficiency, energy production and sustainability issues and policies;

(c) The Council shall develop a comprehensive set of initiatives known as the "Maryland Greenhouse Gas Reduction Action Plan;" and

(d) The Council shall report annually to the Governor and to the General Assembly on the efforts of State agencies in the implementation of High Efficiency Green Buildings Program goals, Clean Energy Procurement Goal, the Greenhouse Gas Reduction Plan, and other energy efficiency, energy production and sustainability issues or policies the Council may have considered.

#### C. Additional Energy Efficiency Goals.

(1) Energy Efficiency Improvement Goal: The State, through cost-effective energy measures, shall reduce energy consumption per gross square foot of its facilities by 10% by 2005 and 15% by 2010 relative to 2000 baseline.

(2) Renewable Energy Project Goal: The State shall expand the use of renewable energy within its facilities, including supporting the federal Million Solar Roofs program.

(3) Efficient Product Purchase Goal: The State shall

purchase Energy Star products when purchasing energy-using products, including computers, printers, copiers and other office equipment, or shall purchase products in the top 25% in energy efficiency for products where labels are not available.

(4) Pollution Prevention Goal: Beginning on January 1, 2003, State agencies shall annually divert or recycle at least 20% of the waste they generate.

(5) Alternative Fuel Vehicles Goal: Consistent with the goals of the Chesapeake 2000 Agreement, the State shall revise fleet policy and purchasing guidelines to offer more flexibility in purchasing, where practical, low emission and alternative fuel vehicles for its fleet. The State shall ensure that for fleet units operating bi-fuel or flex-fuel vehicles (vehicles that operate on either motor gasoline or an alternative fuel, as defined by the Federal Energy Policy Act) an average of 50% of the fuel used by those vehicles shall be alternative fuel. The State shall help develop the refueling and maintenance infrastructure required to make certain types of alternative fuel vehicles practical and may provide technical assistance and other incentives to use clean technology, where practical, in State transit fleets.

GIVEN Under My Hand and the Great Seal of the State of Maryland, in the City of Annapolis, this 13th Day of March, 2001.

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Parris N. Glendening  
Governor

ATTEST:

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John T. Willis  
Secretary of State