

State of Iowa  
Executive Department

IN THE NAME AND BY THE AUTHORITY OF THE STATE OF IOWA

**EXECUTIVE ORDER NUMBER FORTY-ONE**

**WHEREAS,** State government is a major consumer of energy and should be a leader in adopting cost-effective energy efficiency practices, thereby furthering environmental, fiscal, and economic stewardship goals; and

**WHEREAS,** State government should assume a leadership role in renewable energy use and development, thereby furthering critical national fuel diversity, energy security, environmental, and economic goals; and

**WHEREAS,** the State of Iowa is dedicated to the mutually compatible goals of environmental protection and economic development; and

**WHEREAS,** a reduction in the use of energy from fossil fuels will have significant benefits for the health of Iowa's citizens and our environment by reducing emissions of sulfur dioxide, greenhouse gases, particulate matter, and other pollutants; and

**WHEREAS,** State investment in cost-effective renewable energy sources and energy-efficient equipment will help provide stable, secure, long-term energy markets and the development of promising new technologies for the citizens of Iowa; and

**WHEREAS,** Iowa currently has 636 megawatts of wind energy capacity and has the potential to produce nine times its 2003 electrical consumption from wind power; and

**WHEREAS,** Iowa has the capacity to produce more than 900 million gallons of ethanol and more than 20 million gallons of biodiesel a year; and

**WHEREAS,** more than twenty fueling locations currently offer E85 and seven fuel dealers offer 5% biodiesel blends; and

**WHEREAS,** the Governor's Energy Policy Task Force made the following recommendations:

- Vehicles owned and operated by the State should have the highest fuel efficiency available and suitable for the particular use and be maintained to operate as efficiently as possible;
- Energy audits should be performed to identify state-owned/occupied buildings in which significant opportunities to implement cost-effective energy improvements are available;
- Reduce energy consumption in state-owned/occupied facilities through implementation of cost-effective energy efficiency measures as identified in energy audits;

- Biodiesel should be used in state-owned and operated diesel vehicles, generating facilities, and stationary diesel engines when feasible;
- State refueling facilities should be accessible to other public entities for purchasing biodiesel;
- The State should continue to support and use ethanol in all gas vehicles in its fleet;
- The State should purchase electricity from renewable resources to the maximum extent possible; and

**WHEREAS,** assistance for energy efficiency and renewable energy issues is available through the Department of Natural Resources' Energy and Waste Management Bureau;

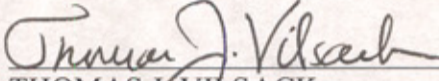
**NOW, THEREFORE, I,** Thomas J. Vilsack, Governor of the State of Iowa, by the power vested in me by the laws and the Constitution of the State of Iowa, do hereby order and direct as follows:

- I. All agencies shall identify and implement energy efficiency measures as provided for in Iowa Code Section 473.13A. The State of Iowa shall reduce energy consumption per square foot per degree day in all conditioned facilities owned by the State by an average of 15% by 2010, relative to 2000 levels. The agencies shall retain the energy savings realized and shall apply the savings to re-invest in facility infrastructure needs.
- II. For all equipment for which life cycle cost calculations can be completed, all agencies shall purchase lowest life cycle cost equipment. All agencies shall comply with Iowa Code Sections 72.5 and 470.8, which require agencies responsible for the new construction or renovation of a public facility to implement the recommendations of a life cycle cost analysis.
- III. The State of Iowa shall ensure that on average at least 10% of the electric consumption for all buildings where the state directly pays for the electric consumption comes from an alternate energy production facility, as defined by Iowa Code Section 476.42, by 2010. Agencies may generate their own alternate energy or may participate in their utility's green power purchase programs, where available, to fulfill this requirement.
- IV. All agencies shall ensure that 100% of the non-law enforcement, light-duty vehicles procured by 2010 shall be alternative fuel vehicles (as defined by Iowa Code Section 8A.362(5)) or hybrid-electric vehicles when an equivalent alternative fuel or hybrid-electric model is available. Furthermore, agencies shall ensure that their flexible fuel vehicles operate on E85 whenever an E85 fueling facility is available.
- V. All agencies shall ensure that all bulk diesel fuel procured has at least 5% renewable content by 2007, 10% renewable content by 2008, and 20% renewable content by 2010, provided fuel that meets ASTM D 6751 is available. Further, agencies shall ensure that diesel vehicles operate on biodiesel blends whenever the blends are available.

- VI. All agencies shall report progress on meeting the directives set forth in this Executive Order quarterly to the Iowa Department of Natural Resources to compile and report to the Governor's Office.
- VII. Nothing in this Executive Order shall be construed to contravene any applicable state or federal law.



**IN TESTIMONY WHEREOF**, I have hereunto subscribed my name and caused the Great Seal of the State of Iowa to be affixed. Done at Des Moines this 22nd day of April, in the year of our Lord two thousand five.

  
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THOMAS J. VILSACK  
GOVERNOR