

EXECUTIVE ORDER NUMBER SIX

WHEREAS, the State of Iowa is committed to the development and deployment of a broad array of new clean technology businesses and industries (such as cellulosic ethanol and biodiesel fuel production, wind turbine manufacturing and green building construction and retrofits) as demonstrated by the creation in 2007 of the Iowa Office of Energy Independence, the Iowa Power Fund, and the continued funding of the Grow Iowa Values Fund; and

WHEREAS, the State of Iowa is at the same time committed to leadership in environmental protection through increasing the use of renewable energy, alternative fuels and energy efficient technologies through the creation in 2007 of the Iowa Office of Energy Independence, the Iowa Power Fund, the Climate Change Advisory Council, the signing of the Midwest Regional Greenhouse Gas Reduction Accord, the continued funding of the Grow Iowa Values Fund, and the continued implementation of Governor Vilsack's Executive Order 41 and Governor Culver's Executive Order 3; and

WHEREAS, the State of Iowa's executive agencies and Regent institutions are among the largest consumers of energy-related goods and services such as natural gas, electricity, water and transportation fuels in the State; and

WHEREAS, the State of Iowa recognizes that in the long term the costs of traditional fossil fuels will likely continue to increase as nations around the world move toward regulating carbon emissions; as energy demands in developing nations such as China and India continue to increase; and as energy companies face the onset of "peak oil" and the resulting cost increases for finding, extracting and refining fossil fuels; and

WHEREAS, Iowa's procurement and financing rules and regulations governing state building construction, building retrofits and office space leasing were developed in an era when energy was less expensive and the threat of global warming and climate change was not widely understood; and

WHEREAS, recent legislative activity on the Federal Energy Bill of 2007 and the Federal Farm, Nutrition, and Bioenergy Act of 2007 are likely to increase the amount of federal funding available to states for the use and deployment of energy efficient technologies, alternative fuels and renewable energy technologies and will likely reward state governments that are organized and poised to draw down those new federal funding sources through efficient partnerships with the private sector and non-profit organizations; and

WHEREAS, by aggressively "greening" the state's own office building footprint, the State of Iowa could produce a "quadruple bottom line" impact of: (1) building out new green building clean technology businesses and industries; (2) creating new "green collar" jobs in the building retrofit and renewable energy sectors in Iowa; (3) saving taxpayers money in the long-term by cutting state office energy consumption; and (4) reducing greenhouse gas emissions, all while deploying green building technologies that already exist; and

WHEREAS, the Director of the Office of Energy Independence is charged by statute with coordinating and monitoring all existing state renewable energy, renewable fuels, and energy efficiency programs and policy; and establishing performance measures for determining effectiveness of renewable energy, renewable fuels, and energy efficiency efforts; and

WHEREAS, the State of Iowa has been leading the way for more than two decades with executive orders, statutes and administrative rules related to recycling, energy efficiency and the use of renewable fuels by state agencies, most recently through the successful implementation of Governor Vilsack's Executive Order 41; and

WHEREAS, this Administration intends to continue the tradition of leadership by example and integrate clean energy, environmental protection and resource conservation programs, policies and procedures into all appropriate aspects of governing; and

WHEREAS, the State of Iowa makes significant expenditures in the operation of state agency programs and the Regent institutions and can therefore be instrumental in establishing and sustaining markets for environmentally preferable products, services, and facilities as well as influencing the behavior of vendors who want to do business with the State of Iowa; and

WHEREAS, the first annual Iowa Plan for Energy Independence, submitted by the Office of Energy Independence in December 2007, outlined the framework for strategies and options for achieving energy independence from foreign sources of energy by the year 2025, and emphasized that state government must lead by example.

NOW, THEREFORE, I, Chester J. Culver, 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 as follows:

Executive Order Number Forty-one, issued by Governor Thomas J. Vilsack on April 22, 2005, shall be rescinded. In its place, this Executive Order Number SIX shall be enacted and followed by all state agencies within the executive branch of government to the fullest extent allowable under law.

I. GREEN GOVERNMENT COORDINATORS

The director of each state Agency under the jurisdiction of the Governor shall appoint a Green Government Coordinator to support the Green Government Initiative outlined in this Executive Order. Green Government Coordinators should be familiar with the procurement statute and administrative rules related to their own agency and shall be provided the time, resources and support from their agency necessary to achieve the tasks and responsibilities outlined in this Executive Order.

Coordinators shall serve on Green Government Task Forces as assigned and provide reasonable assistance and cooperation as requested by the Green Government Initiative Steering Committee and/or the Director of the Office of Energy Independence for the purpose of carrying out their duties pursuant to this order.

Coordinators shall facilitate the implementation of key Green Government initiatives that will create jobs and reduce negative environmental impacts across state government.

II. GREEN GOVERNMENT INITIATIVE

A. Green Government Steering Committee. The Green Government Initiative shall be implemented by all state executive branch agencies under the jurisdiction of the Governor, as outlined in this Executive Order. The initiative shall be led by a Steering Committee chaired by the Director of the Office of Energy Independence and including the chairperson or chairperson's designee of the Iowa Utilities Board, and the directors or directors' designees of the Department of Administrative Services, the Department of Natural Resources, the Department of Transportation, and the Department of Economic Development.

The Green Government Steering Committee will be advised by a Green Government Advisory Committee that may include members from the private sector, local and county government, academic institutions, non-profit organizations, non-profit foundations, the public, state agencies not under the Governor's jurisdiction, and interested members of the legislative and judicial branches of government. The Green Government Steering Committee may also coordinate and collaborate with the State Energy Council (formerly known as the Energy Coordinating Council) and other executive branch agencies as necessary.

The Green Government Steering Committee will perform two main functions for the State of Iowa:

1. The Green Government Steering Committee will provide policy advice and support to the Governor's Office of Energy Independence, the Iowa Department of Economic Development and other state agencies involved with the development and deployment of new clean technology businesses and industries in the State of Iowa; and
2. The Green Government Steering Committee will oversee, coordinate, verify and validate the implementation of the goals of this Executive Order and report back to the Governor's Office on the attainment of the goals set forth below. The Steering Committee will be responsible for developing, implementing, and maintaining a progress reporting system and process.

The Steering Committee shall host a Green Government Summit on or before July 31, 2008 for all direct participants in the Green Government Initiative. The Green Government Summit will produce a list of additional new common sense, cost saving and innovative ideas and policies for implementation beginning in 2009, after

implementation of the policies and programs set forth in this Executive Order are already underway. The Green Government Summit will solicit advice and input from state agency staff, county and local governments, the private sector and non-profit organizations on the best ways to achieve the goals set forth in this Executive Order and make Iowa a national leader in energy efficiency, renewable energy technology deployment and alternative fuel production.

B. Green Government Task Forces. The Green Government Steering Committee shall provide leadership and guidance to the following Task Forces which may be supplemented with other Task Forces at the discretion of the Steering Committee:

1. **Energy Excellent Buildings Task Force.** The Office of Energy Independence, the Department of Administrative Services, the Department of Transportation, the Department of Human Services and the Department of Corrections shall provide leadership to this Task Force. Membership shall include representatives from all state agencies under the Governor's jurisdiction with responsibilities for building, retrofitting, retro-commissioning, operating and maintaining state office buildings and state facilities.

The Buildings Task Force shall focus on "greening" new and existing state office buildings and facilities. Implementation areas of interest should include, but are not limited to: use of energy efficient lighting and lighting systems, modernizing physical plants and HVAC systems, continuing to include life-cycle cost estimating in agency decision making, utilization of finance mechanisms that meet sound management principles for retrofits and retro-commissions, and reporting mechanisms to track long-term cost savings and environmental impact, including but not limited to carbon emission reductions, improved indoor air quality, and water conservation.

The Buildings Task Force shall also evaluate current leased space to determine opportunities for energy efficiency improvements that will pay for themselves within the remainder of the lease term, and develop energy efficient criteria to be used when procuring leased space.

The goal of the Energy Excellent Buildings Task Force will be to reduce the use of electricity, natural gas, fuel oil and water in all state office buildings by at least 15% overall in the next 5 years, taking into account growth in the state workforce and/or changes in building operations.

Under Governor Vilsack's Executive Order 41, participating state agencies reduced the use of electricity and natural gas from a 2000 baseline. The Energy Excellent Buildings Task Force shall strive to achieve at least another 15% reduction at state office buildings by 2015.

2. **Sustainable Materials Task Force.** The Office of Energy Independence, the Department of Administrative Services, the Department of Natural Resources, and the Department of Transportation shall provide leadership to this Task Force whose membership will include all impacted state agencies under the Governor's jurisdiction.

The Task Force shall focus on procurement, operations and disposal of all materials used in state government. Areas of interest should include, but are not limited to: reuse, recycling, remanufacturing / demanufacturing of computers and other technology, co-location of computer equipment in common space to reduce power loss overhead for power conditioning and air conditioning and reduce the square footage of high operating cost data centers, life-cycle costing, purchase of products with recycled content and/or biodegradable or environmentally-friendly products.

The goal of the Sustainable Materials Task Force shall be to promote resource efficiency by promoting practices that support the following principles:

- Recycled content: Products with identifiable recycled content, including postindustrial content, with a preference for postconsumer content.
- Natural, plentiful, or renewable: Materials harvested from sustainably managed sources and preferably certified by an independent third party.
- Resource efficient manufacturing processes: Products manufactured with resource-efficient processes including reduced energy consumption,

minimal waste (recycled, recyclable and/or source reduced product packaging), and reduced greenhouse gases.

- Locally available: Building materials, components, and systems found locally or regionally saving energy and resources in transportation to the project site.
- Salvaged, refurbished, or remanufactured: Saving a material from disposal and renovating, repairing, restoring or generally improving the appearance, performance, quality, functionality or value of a product.
- Reusable or recyclable: Materials that can be easily dismantled and reused or recycled at the end of their useful life.
- Recycled or recyclable product packaging: Products enclosed in recycled content or recyclable packaging.
- Durable: Materials that are longer lasting or are comparable to conventional products with long life expectancies.

3. **Biofuels Task Force.** The Office of Energy Independence, the Department of Administrative Services, the Department of Natural Resources and the Department of Transportation shall provide leadership for this Task Force. Membership shall include representatives from all impacted state agencies under the Governor's jurisdiction.

The Task Force shall focus on at least three issue areas: (1) increasing the use of biofuels by state agencies to the maximum amount feasible; (2) reducing the number of vehicle miles traveled by the state employee workforce; and (3) increasing the fuel efficiency of the state vehicle fleet. The Task Force shall, using data gathered during the audit required by this Executive Order, set specific five- and ten-year targets related to these issue areas.

C. Board of Regents Participation. The Board of Regents will provide representatives for participation in the Green Government Steering Committee and the Task Forces created in this Executive Order. The Board of Regents, in the development of sustainability goals, policies and practices for facilities and operations under their governance authority, will seek to coordinate these efforts with those of the Green Government Initiative and provide progress reports and data which can be readily incorporated into the reporting systems developed by the Green Government Steering Committee.

D. Reporting and Publication of Results. The Task Forces, in consultation with the Steering Committee, shall develop a system that builds upon the successes of the reporting system used to implement Governor Vilsack's Executive Order 41. The Task Forces, in consultation with the Steering Committee, shall work with state agencies to conduct a thorough and complete audit of current practices related to:

- Procurement – “green” purchasing and life-cycle costing
- Operations – building design, construction and maintenance, operations and equipment
- Disposal – recycling and remanufacturing / demanufacturing

Agencies shall complete the audit and provide data to the Steering Committee by December 1, 2008.

Using the audit data, the Steering Committee shall develop a Green Government Master Plan, which will outline steps for developing, implementing and augmenting programs, plans and policies to promote environmentally sustainable and economically efficient practices. The Master Plan shall be completed by March 15, 2009 and submitted to the Governor.

The Steering Committee shall develop a reporting system with specific metrics by which it can track and measure progress toward clean energy and environmental goals set forth in the Green Government Master Plan.

- The Energy Excellent Buildings Task Force reporting system should include, but not be limited to, the amount of electricity, natural gas and water consumed in each state office building with information on each building's square footage.
- The Sustainable Materials Task Force reporting system should include, but not be limited to, the percentage of state electronic equipment recycled and

disposed, and the percent of recycled or repurposed materials used in state construction projects.

- The Biofuels Task Force reporting system should include, but not be limited to, the increases in fuel efficiency of the state fleet and the decreases in the number of miles driven by state agency employees as well as the resulting cost savings.

Whenever feasible, this reporting system and the data it produces should be posted on the Office of Energy Independence's web site and made available to the public.

The activities and progress of the Green Government Initiative shall be included in the Plan for Energy Independence, submitted annually by the Office of Energy Independence to the Governor and the General Assembly pursuant to the Iowa Code.

The progress of the agency in the area of Green Government (reporting and results) shall be included as a measure of performance for all Agency directors beginning in 2009.

E. Financing. State agencies, working with the Steering Committee and Task Forces, shall access all existing financial resources to finance energy improvements that pay for themselves through available mechanisms.

F. State Employee Participation. The Steering Committee, in cooperation with the Task Forces, shall offer educational and training efforts necessary to carry out provisions of this order and other related directives.

To assist the Green Government Initiative in achieving participation and involvement of employees at every level of state government, the Office of Energy Independence shall implement a "green suggestion box" on its website, for use by state employees with suggestions on "greening" government. Employees without access to the Internet shall be encouraged to mail suggestions directly to the Office of Energy Independence.

G. Administrative Support. The Department of Administrative Services, the Department of Natural Resources, and the Office of Energy Independence shall provide administrative support necessary to facilitate the implementation of the Green Government Initiative.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and caused the Great Seal of Iowa to be affixed. Done at Des Moines this 21st day of February, in the year of our Lord two thousand eight.

CHESTER J. CULVER
GOVERNOR

ATTEST:

MICHAEL A. MAURO
SECRETARY OF STATE