



UT System Administration Policy Library -- Policy UTS169

# SUSTAINABILITY PRACTICES

Responsible Officer: Executive Vice Chancellor for Business Affairs

Sponsoring Office: Office of Business Affairs

Effective Date: August 20, 2009

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Errors or changes to: [policyoffice@utsystem.edu](mailto:policyoffice@utsystem.edu)

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## **POLICY STATEMENT**

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The Board of Regents of The University of Texas System is committed to stewardship of the environment and promotion of the principles of energy efficiency and sustainability. The System's commitment to energy savings goals, reductions in carbon emissions, and sustainable design is evident in existing practices, and the institutions will continue to implement well-thought-out initiatives that increase efficiencies, reduce emissions, and promote sustainability practices that contribute meaningfully to the environment, while still achieving excellence in higher education. The System's decisions and actions regarding sustainability practices will be guided by its mission statement and will be reflective of budgetary constraints and legal, regulatory and programmatic requirements, while continuing to further the missions of the institutions.

The initiatives described in this policy are intended to provide the scope, direction, and expectations underlying System's Policy on Sustainable Practices and to identify best practices to facilitate compliance with this policy.

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## **RATIONALE**

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The Board of Regents has delegated authority to the Chancellor to promulgate policy promoting sustainable practices. The Chancellor has delegated authority (a) to the Executive Vice Chancellor for Business Affairs to implement System policy regarding sustainability; and (b) to each institutional president to further define and implement measures for sustainable practices at the respective institutions, all within budgetary constraints and legal, regulatory, and programmatic requirements.

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## **SCOPE**

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All institutions and UT System Administration.

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## **WEBSITE ADDRESS FOR THIS POLICY**

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<http://www.utsystem.edu/policy/policies/uts169.html>

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## RELATED STATUTES, POLICIES, REQUIREMENTS OR STANDARDS

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UT System Administration Policies & Standards	Other Policies & Standards
	<ul style="list-style-type: none"> <li>• <a href="#">Texas Government Code Section 447.004</a>– State Energy Conservation Office</li> <li>• <a href="#">Texas Administrative Code Title 34, Section 19.32</a>– Energy Conservation Design Standards</li> <li>• <a href="#">Executive Order RP-49</a> -Texas Office of the Governor</li> <li>• <a href="#">Texas Government Code Section 552.0225</a> - Right of Access to Investment Information</li> </ul>

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## CONTACTS

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If you have any questions about UT System Administration Policy UTS 169, *Sustainability Practices*, contact the following office:

Subject	Office Name	Telephone Number	Email/URL
Policy Clarification	Office of Facilities Planning and Construction	512-499-4600	<a href="http://www.utsystem.edu/fpc">http://www.utsystem.edu/fpc</a>

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## DEFINITIONS

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### Energy Conservation Plan (ECP)

As required by the Office of the Governor Executive Order RP-49, a plan for conserving energy that shall set a percentage goal for reducing its usage of electricity, gasoline and natural gas. Original plan due December 1, 2005 with quarterly updates due beginning April 1, 2006. The ECP is comprised of 1) the Resource Efficiency Plan and 2) the Fleet Fuel Management Plan.

### **Energy Management Plan (EMP)**

A document prepared by each institution that incorporated the applicable recommendations contained in the November 2001 Energy Utility Task Force (EUTF) report. The Energy Management Plan, used as a guide and a resource for achieving the targeted savings in the report, was originally due to the System Office of Finance by May 31, 2002, and is updated every two years.

In May 2004, the EMP was amended to include the requirements of the Resource Efficiency Plan (REP). In November 2005, the EMP was further amended to include the requirements of the Energy Conservation Plan (ECP).

### **Resource Efficiency Plan (REP)**

A comprehensive biennial plan that a state agency or institution of higher education prepares and that identifies potential cost effective measures for minimizing utility consumption and costs in all agency facilities and buildings, along with implementation schedules and methods of financing the measures as outlined in this chapter (SECO 34TAC19.14 Utility Management Planning).

### **Sustainability**

Meeting the needs of the present without compromising the ability of future generations to meet their own needs.

### **Sustainability Practices**

The physical development and institutional operating practices that meet the needs of present users without compromising the ability of future generations to meet their own needs.

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## **RESPONSIBILITIES**

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### **Executive Vice Chancellor for Business Affairs**

- Implements System policy regarding sustainability.
- Forms a Sustainability Steering Committee in consultation with the presidents of the institutions.

### **Presidents of the Institutions**

- Further define and implement measures for sustainable practices at their respective institutions, all within budgetary constraints and legal, regulatory and programmatic requirements.

- Form a Sustainability Steering Committee in consultation with the Executive Vice Chancellor for Business Affairs.

### **Associate Vice Chancellor for Facilities Planning and Construction**

- Facilitates forming a Sustainability Steering Committee in consultation with the presidents of the institutions, reviews and makes recommendations regarding the sustainability policy to the Chancellor and reviews the policy upon the Next Schedule Review date of the policy.

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## **PROCEDURES**

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### **1. ADMINISTRATION**

The Executive Vice Chancellor for Business Affairs, in consultation with the presidents of the institutions, shall form a Sustainability Steering Committee. This committee is intended to further define measures for sustainability practices, to ensure implementation, to establish near and longer term procedures and mechanisms, and to review and make recommendations to the Chancellor regarding the sustainability policy on an ongoing basis with the goal of integrating informed and evolving practices for sustainability. System will provide means for the ongoing participation of students, faculty, and administrators in further development of the Policy on Sustainability Practices.

### **2. INSTITUTIONAL POLICY**

Each institution will develop a policy on sustainability in the institution's master plan and operations and maintenance practices and within budgetary constraints and legal, regulatory and programmatic requirements.

### **3. ENERGY AND WATER EFFICIENCY PRACTICES**

Each institution will update Energy Management Plans to reflect energy consumption reduction goals as of FY 2011 over the baseline levels established by the Energy Utility Task Force in 2001. The institutions will report quarterly progress to their energy Management Plans by means of Governor's Executive Order RP-49.

Any new capital or major renovation project will apply, as a minimum, the energy efficiency design and construction principles of ASHRAE 90.1 as established by the State Energy Conservation Office. The institution planning and design process will include consideration of life cycle cost along with other factors in the project planning and design process, recognizing the importance of long-term operations, maintenance, total cost of ownership of System facilities, budgetary constraints, and programmatic requirements. A measurement and verification plan will be prepared prior to the completion of construction of a new building or

major renovation, directed toward establishing an energy service consumption baseline during the first 12 months of occupancy. Subsequent energy consumption audits every three years will document 20% variances to the baseline levels. Institutions will require rainwater and gray water harvesting systems for non-potable use for new buildings where practical and within program budgets.

#### **4. ALTERNATIVE ENERGY PRACTICES**

With a goal of reducing System's non-renewable energy consumption, each institution will evaluate alternative energy designs for new major capital projects.

#### **5. CLIMATE PROTECTION PRACTICES**

Institutions will pursue the goal of reducing greenhouse gas emissions, while maintaining enrollment accessibility for every eligible student, enhancing research, promoting community service, and operating campus facilities more efficiently.

#### **6. SUSTAINABLE TRANSPORTATION PRACTICES**

To the extent practical, each institution will encourage and develop sustainable transportation practices such as carpooling, use of public transportation, use of fuel-efficient or alternative fuel fleet vehicles, flex schedules, and telecommuting.

#### **7. WASTE AND RECYCLING MANAGEMENT**

Each institution will record and monitor annual waste and recycling quantities, implement procedures to reduce campus waste and set a goal to increase campus recycling each year.

#### **8. ENVIRONMENTALLY PREFERABLE PURCHASING PRACTICES**

Institutions will encourage suppliers to demonstrate environmental stewardship. Within the parameters of reasonable business justification and applicable laws and regulations, each institution will (a) utilize its purchasing power to advance the development of sustainable technologies; (b) evaluate the total cost of ownership, including purchase prices, operating costs, maintenance, collection, recycling, and disposal; and (c) encourage environmentally preferable practices when selecting suppliers.

#### **9. HIGH PERFORMANCE BUILDINGS**

Each institution will strive to achieve a high performance building comparable to a US Green Building Council Leadership in Energy & Environment ("LEED®") Certified rating or higher whenever possible, excluding laboratory and acute care and patient care facilities, within the constraints of program needs and budget parameters. System recognizes and commends the early leadership and accomplishments of LEED® as a green building certification program; however, that certification currently comes with a significant cost in documentation. Therefore, System strives for a high-performance building standard comparable to LEED® for new major capital projects. Money for certification documentation is better spent obtaining more energy-efficient building systems. Further study will be conducted before similar sustainable design policies for laboratory and acute care and/or patient care facilities are adopted.

#### **10. SUSTAINABILITY AWARENESS AND TRAINING**

Each institution will incorporate its policy on sustainability into applicable existing training programs.

**11. CURRICULA INTEGRATION**

The institutions will strive for excellence in sustainability education by integrating sustainability concepts into curricula, increasing faculty and student awareness of sustainability issues, and producing graduates who will carry the mission of sustainability into the state, the nation, and the world.

**12. ENDOWMENT TRANSPARENCY**

The University of Texas Investment Management Company shall disclose to the public information as required pursuant to Section 552.0225 of the Texas Government Code regarding “Right of Access to Investment Information” (private investment information) and the Texas Public Information Act.

**13. STUDENT INVOLVEMENT**

System will support student participation in sustainability decision making, including the Sustainability Steering Committee. Each institution will support student volunteer programs to increase environmental awareness.

**14. COMMUNITY OUTREACH**

Institutions will share with outside communities the knowledge generated from sustainability research, education and practices, with the goal of promoting a global culture of sustainability.

**15. ANNUAL PLAN AND REPORTS**

Institutions will complete an annual plan and report detailing the impact of the institution’s sustainability efforts. The Sustainability Steering Committee will maintain responsibility for determining the format and data to be submitted in the annual reports.

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**FORMS AND TOOLS/ONLINE PROCESSES**

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None

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**APPENDIX**

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None

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Keywords: green, environment, sustainability, energy efficiency, emissions

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