

- Michael Bowers
is updating

MULTNOMAH COUNTY, OREGON EXECUTIVE RULE NO. 268

Energy Conservation

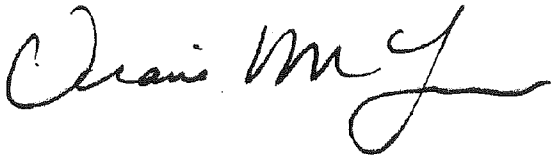
- a. Goals:
- Multnomah County buildings will be models of energy efficiency and will practice energy conservation where practical
 - The countywide goal is to reduce energy consumption by an additional 10% by the year 2010 from 2000 consumption levels.
- b. Coordination and management of conservation:
- The Department of Business and Community Services (DBCS) Facilities Division will coordinate countywide energy conservation in County owned and leased facilities.
 - DBCS Facilities Division will track countywide energy consumption and evaluate progress toward meeting County goals.
 - All capital construction, remodel, and maintenance projects will be evaluated by DBCS Facilities Division for opportunities to save energy.
 - The target is to exceed Oregon energy code by 30% on new construction and 10% percent on retrofits.
 - Departments will support opportunities for energy efficiency and DBCS review of capital projects.
 - County managers will encourage and assist employees to conserve and prevent energy waste.
- c. Lighting:
- Overhead and task lighting will be optimized consistent with Illuminating Engineering Society North America (IESNA) Guidelines and State of Oregon energy conservation requirements.
 - The use of dual level lighting controls, occupancy sensor controls, daylight dimming, time clock controls, photo sensor controls, etc. are encouraged.
 - All task lighting will be fluorescent including light fixtures employees bring from home.
 - Incandescent and halogen lighting sources are prohibited for task lighting.
 - Whenever an area will be vacant for an extended time, occupants will turn the lights off provided doing so does not compromise health, safety or productivity.
 - Areas identified by employees as being over-lit should be reported to DBCS Facilities Division Dispatch.
 - Employees are encouraged to report noticeable malfunctions in automatic lighting controls that cause auto shut off lights to remain on to DBCS Facilities Division Dispatch.
 - After hours lighting (does not include facilities that operate 24/7) will be the minimum needed to meet emergency lighting code requirements.

- d. Heating and Cooling:
- DBCS Facilities Division will optimize hot and chilled water temperatures to conserve both energy and water.
 - For mechanically heated spaces, a minimum space temperature for heating of 68 degrees and maximum mechanical heating of 70 degrees for all occupied workspaces will be maintained as the County Standard.
 - County Standard mechanical heating and cooling will be locked out between 70 and 75 degrees.
 - For mechanically cooled spaces, a maximum space temperature for cooling of 77 degrees and minimum mechanical cooling of 75 degrees for all occupied workspaces will be maintained as the County Standard.
 - While no mechanical heating will be provided above 70 degrees, temperature may drift to 75 degrees before mechanical cooling will occur. Because temperatures may vary throughout a day and building, employees should dress appropriately for optimum comfort.
 - Space temperatures will be maintained for regular scheduled occupied hours only and only when a building is fully occupied.
 - For continuous, small, off-hours shifts, departments should request localized HVAC.
 - Space heaters are not allowed in heated areas of building.
 - Space heaters are safety hazards to buildings and occupants.
 - Space heaters disrupt building controls causing reduced heating to other occupants.
 - Non-radiant foot-warmers of 150 watts or less are permitted, but only in areas where temperature control within County standard is not possible and only after pursuing reasonable energy-free options.
 - Non-radiant foot-warmers are not a DBCS Facilities Division base service provided option.
- e. Appliances:
- Departments must ensure appliances are appropriate and energy efficient.
 - Personal fans will be rated at 0.5 amps or less (equivalent to 60 watts.)
 - DBCS Facilities Division will optimize vending machine energy consumption where cost-effective.
 - Any new or replaced appliances will be Energy Star® or equivalent products when available.
- f. Personal computers:
- Employees should shut down their computers at the end of each workday.
 - The desktop support group within IT Services will phase in a configuration of the power settings for computer monitors to power off after a period of inactivity. Notifications will be made prior to implementation.

- g. Custodial and Other Small After-hours Crews:
 - Where practical, custodial services will be performed by day. If necessary to temporarily work crews after-hours, HVAC will not be operated and crews are requested to use minimum lighting necessary without compromising health, safety or productivity.

- g. Waivers:
 - County government should be a model of energy conservation. However, any required measure may be waived by the County Chair.
 - Requests for exceptions to this mandate must be submitted in writing to the Chair's Office for approval.
 - Where possible and before requesting a waiver from the Chair, departments should attempt alternative measures to offset any measure they feel must be waived.

Dated this 22nd day of August, 2002.



Diane M. Linn, Multnomah County Chair

REVIEWED:
Thomas Sponsler, County Attorney
For Multnomah County, Oregon