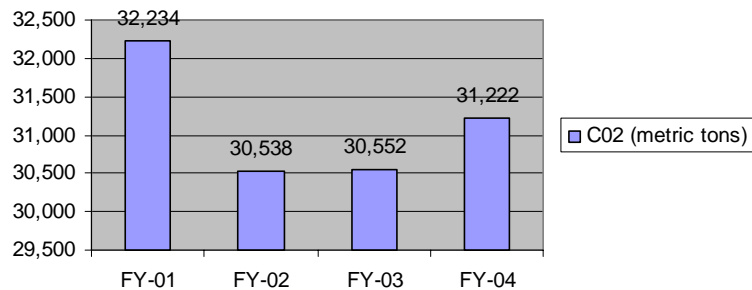




# Local Action Plan on Global Warming



## Checklist of County Government Actions



June 2005





Status	Action	Examples of County Progress										
Policy, Research and Education												
✓	1. Compile and update an inventory of greenhouse gas emissions from City and County operations and track related solid waste, energy, economic, and environmental data by 2003.	<p>Energy and fuel usage are being tracked to show progress towards meeting our 10% reduction goal. Data indicates we have reduced CO2 emissions by 3% since FY-01. Emission reductions have been achieved for both energy and fuel. However, electricity usage appears to be increasing slightly overall with gasoline usage and natural gas holding steady.</p> <div><p><b>Carbon Dioxide Emissions for Multnomah County Government</b></p><table><caption>Carbon Dioxide Emissions for Multnomah County Government</caption><thead><tr><th>Fiscal Year</th><th>CO2 (metric tons)</th></tr></thead><tbody><tr><td>FY-01</td><td>32,234</td></tr><tr><td>FY-02</td><td>30,538</td></tr><tr><td>FY-03</td><td>30,552</td></tr><tr><td>FY-04</td><td>31,222</td></tr></tbody></table></div>	Fiscal Year	CO2 (metric tons)	FY-01	32,234	FY-02	30,538	FY-03	30,552	FY-04	31,222
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✓	2. Educate employees and department managers about sustainability with a focus on specific operational changes that can be made to reduce greenhouse gas emissions. Require employee education on fuel efficient driving and reducing energy use at work by 2003.	<p>Education on global warming and reducing energy use has been provided to County employees through e-mail information, MINT site materials, and presentations.</p> <div><p><b>MULTNOMAH COUNTY SUSTAINABILITY:</b> Protecting resources to provide for generations tomorrow.</p><p><b>Sustainability TIP</b></p></div> <hr/> <p><b>Fleet, Records, Electronics and Distribution Services Division</b></p> <hr/> <p><b><i>Fleet Information Bulletin</i></b></p> <p><b>WHAT CAN I DO TO HELP PREVENT GLOBAL WARMING?</b></p>										
✓	3. Review major policies and programs in the early stages of development to identify ways to reduce related greenhouse gas emissions. Integrate the goal and actions set out in this plan into future City and County policies.	<div><p>One successful example where this has occurred is for HIPPA changes for computer monitors. To meet both security and energy conservation goals, working to implement automatic monitor shutdown after period of inactivity for enhanced energy savings.</p></div>										

## Energy Efficiency in Buildings

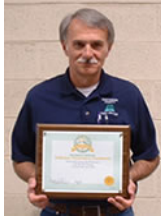



*The result of County energy efficiency measures is an estimated annual energy savings of \$715,000 for County facilities.*


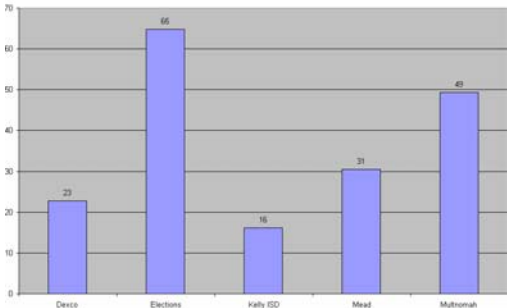


✓	<p>4. Invest in all energy-efficiency measures with simple paybacks of 10 years or less.</p> 	<p>Energy efficiency measures have been implemented in many County-owned buildings, such as the new Hillsdale Library where energy savings exceed code design by 20%. The Banfield building lighting retrofit also demonstrates opportunities available for leased facilities.</p>
✓	<p>5. By 2003, develop and adopt energy-and resource-efficient building standards for all City and County new construction and major renovation projects.</p>	<p><b>RESOLUTION 04-178</b>  <b>The Multnomah County Board of Commissioners Resolves:</b></p> <ol style="list-style-type: none"> <li>1. The Board adopts the policy recommendations contained in Section VI of the <u>High Performance Green Building Policy</u> document dated November 3<sup>rd</sup>, 2004, to utilize the U.S. Green Building Council's "Leadership in Energy and Environmental Design" criteria in future County building construction projects.</li> <li>2. Facilities and Property Management is directed to develop administrative procedures to implement this policy.</li> </ol> <p>ADOPTED this 2nd day of December 2004.</p>
✓	<p>6. Establish County policies to purchase "Energy Star" or equivalent products, when available, for any equipment that uses electricity, natural gas, or fuel oil by 2003.</p>	 <p><b>MULTNOMAH COUNTY, OREGON</b>  <b>EXECUTIVE RULE NO. 268</b>          Energy Conservation</p> <p>"Any new or replaced appliances will be Energy Star® or equivalent products when available." Computers and residential air conditioning units are the best example of implementation of energy star purchasing at the County.</p>
✓	<p>7. Require all County construction projects to exceed energy code by 20 percent on new construction and 10 percent on retrofits by 2003.</p>	<p><b>EXECUTIVE RULE NO. 268</b></p> <p>"All capital construction, remodel, and maintenance projects will be evaluated by DBCS Facilities Division for opportunities to save energy.</p> <ul style="list-style-type: none"> <li>▪ The target is to exceed Oregon energy code by 30% on new construction and 10% percent on retrofits.</li> <li>▪ Departments will support opportunities for energy efficiency and DBCS review of capital projects." </li></ul>

✓	8. Convert traffic signals to LED technologies by 2010. Convert street lights and traffic signals to more efficient technologies as they become available.	County Transportation Division has completed conversion to red/green LEDs for 94 of the 110 signals and flashers for County owned and maintained roads and bridges.	
	9. Improve energy efficiency in County facilities by 10 percent by 2010 from 2000 consumption levels.	While significant gains have been made in individual buildings, current overall energy efficiency has improved by only 1% in County facilities since 2000. Further work will be required to meet this goal.	
	10. Invest in building commissioning for new County facilities and retrocommissioning for facilities larger than 25,000 square feet by 2010.	Building commissioning was included for all the new library facilities, and Juvenile Justice is currently the first facility to undergo retrocommissioning.	
<b>Renewable Energy</b>			
	11. Install solar, geothermal, and other renewable energy applications at appropriate County facilities.		<p>Multnomah County currently purchases <b>3%</b> of our electricity from renewable power sources.</p> <p>An analysis was also performed to evaluate the feasibility of installing solar arrays to power bridge lighting – however the cost exceeded available funding levels at that time.</p>
<b>Transportation, Telecommunications, and Access</b>			
✓	12. Require County agencies to offer bus tickets to visitors who arrive by transit in any situation where the County validates parking by 2003.	<p align="center"><b>RESOLUTION NO. 02-007</b></p> <p>Adopting Policy Direction to Support Employee Commute Options and Parking Strategies  <b>The Multnomah County Board of Commissioners Resolves:</b></p> <ol style="list-style-type: none"> <li>To accept the recommendations of the ECOpark committee as outlined in the “Travel Smart” document dated December 28, 2001.</li> </ol> <p><b><i>Travel Smart Policy Recommendations</i></b></p> <p>Included the following recommendation:  “Require County agencies to offer bus tickets to visitors who arrive by transit in any situation where the agency validates parking.”  County managers report very few circumstances where parking validation is provided.</p>	
✓	13. Implement County policies to discourage use of fleet vehicles where transit options are available and to provide employees with transit tickets for travel on business by 2003.	<b>84%</b> of County employees currently carry a bus pass which would allow for free transit travel on business.	


✓	14. Expand County transit-pass subsidy program by 2003.	 <p>All eligible County employees may receive a bus pass subsidized by the County.</p>
	15. Reduce per employee vehicle miles traveled in County administrative vehicles by 20 percent by 2010 by promoting teleconferencing and the availability of pedestrian, bicycle, transit and rideshare options for employees on business. 	 <p>Currently working with County Human Services to implement a car sharing pilot using Flexcars to reduce the number of underutilized County administrative vehicles.</p> <p>Multnomah County also provides a parking space for a hybrid Flexcar vehicle in our downtown Motor Pool.</p>
	16. Promote County telework and flexible hours policies and provide education to agency managers to encourage consistent application of the policies. Enable 25 percent of County employees to telework or work compressed schedules to avoid commuting at least one day every two weeks by 2010.	Compressed work week schedules are approved in some labor contracts and well utilized by many union employees. For example, at the Yeon building auto trips have been reduced by 9% - half of which is due to the implementation of compressed work week policies at that site.
	17. Purchase a minimum of 5 County hybrid gasoline-electric vehicles with fuel efficiency of at least 45 mpg by 2003.	 <p>In response to the Fleet Audit, Fleet Services has implemented a “fleet right sizing” project. The project attempts to increase vehicle utilization and reduce fleet size. As a result, Multnomah County has not purchased any new administrative cars during the last few years. The County expects to purchase hybrid-electric vehicles for its next fleet additions.</p> <p>A new measure was voluntarily introduced in 2002. County fleet vehicles with diesel engines now run on a biodiesel fuel blend made from soybeans, which produces 78% less net CO<sub>2</sub> than conventional diesel fuel.</p> <p>A Resolution in support of current biofuels legislation was also passed to promote development of a State biofuels industry.</p>
✓	18. Educate all employees on fuel-efficient driving practices, such as avoiding unnecessary idling by 2003.	<p>Fleet Services regularly sends out Countywide communications such as this one sent in April:</p> <p><b>THIS MESSAGE IS SENT ON BEHALF OF FLEET SERVICES AND SUSTAINABILITY.</b></p> <p>For additional information visit:  <a href="http://ase.org/content/news/detail/2094">http://ase.org/content/news/detail/2094</a></p> <p><b>Fuel Conservation Tips</b></p> <p>To help minimize the impacts of rising fuel costs, Fleet Services recommends the following practices to help conserve fuel.</p>



✓	<p>19. Implement EPA's "Best Environmental Practices for Fleet Maintenance" in Multnomah County's Fleet Services Shop.</p> 	 <p>The County fleet shop achieved certification for its Yeon, Blanchard and Hansen fleet shops in 2003, demonstrating best practices for pollution prevention.</p> <p>Compliance required a range of measures from recycling antifreeze to switching from solvent based parts washing to water based systems and highlighting plan drawings for drains for spill response.</p> <p>In the process, City of Gresham has also provided Multnomah County with a "GREAT Businesses" designation for our environmentally preferable practices.</p>
	<p>20. Increase the average fuel efficiency of passenger vehicles in the County motor pools to 35 mpg by 2010.</p>	<p>Hybrid gas electric vehicles are planned for future motor pool purchases which should assist with meeting this goal.</p>
<b>Waste Reduction &amp; Recycling</b>		
✓	<p>21. Track waste disposal and recycling practices and quantities at all County facilities by 2003.</p> 	<p>Data collected monthly for 43 County facilities. Recycling rates range from 8% to 85%. In FY-05 Multnomah County disposed of approximately 2.4 million pounds of trash.</p> <p>Additionally, in 2004, Multnomah County recycled:</p> <ul style="list-style-type: none"> <li>85,065 pounds of paper records</li> <li>4,886 pounds of toner cartridges</li> <li>6,013 fluorescent lamps</li> <li>63,000 pounds of shredded paper</li> <li>194 pounds of CD's and jewel cases</li> <li>832 cubic yards of unusable books</li> </ul>
✓	<p>22. Establish County policies to buy recycled antifreeze, recycled latex paint, and paper with at least 30 percent post-consumer recycled-content paper. Investigate establishing standards for the purchase of additional recycled-content products by 2003.</p>	<p><b>RESOLUTION NO. 03-092</b></p> <p>Adopting a Policy for Paper and Paint Purchasing and Setting Goals for Paper Use</p> <p><b>The Multnomah County Board of Commissioners Resolves:</b></p> <ol style="list-style-type: none"> <li>1. To commit to achieving a minimum 50% post consumer content for all copier and general use paper products by September 2005.</li> <li>2. To require the use of rebled latex paints when latex paint is specified and appropriate for the application.</li> </ol>
✓	<p>23. Evaluate purchasing printers and copiers with duplexing capacity, and making duplexing the default setting by 2003.</p>	<p><b>Mon 10/18/2004 2:16 PM</b></p> <p><b>Copy Machines Set to Print on Both Sides of Paper</b></p>  <p>Copy machines have already been switched to the auto duplex setting during the course of their regular maintenance; no additional changes are needed.</p>

✓	24. Seek approval to hire a County pollution prevention specialist to reduce environmental and human health risks from air-, water-, and land-based pollutants.	Molly Chidsey was hired on November 1 <sup>st</sup> , 2002, as the County's pollution prevention specialist. 												
	25. Achieve a solid waste recovery rate of 60 percent at County facilities by 2010. <small>Average Office Building Recycling Rates 9/04-2/05</small>  <table><thead><tr><th>Location</th><th>Recycling Rate (%)</th></tr></thead><tbody><tr><td>Desco</td><td>23</td></tr><tr><td>Elections</td><td>65</td></tr><tr><td>Kelly ISO</td><td>16</td></tr><tr><td>Mead</td><td>31</td></tr><tr><td>Multnomah</td><td>49</td></tr></tbody></table>	Location	Recycling Rate (%)	Desco	23	Elections	65	Kelly ISO	16	Mead	31	Multnomah	49	Recent efforts to track solid waste and recyclables from county facilities in Portland have confirmed that County facilities average a recycling recovery rate of 30% (though facilities range from 9% to 80%.) Improvements so far include: Recycling assessments conducted at 20 facilities; More than 100 new recycling bins placed; Switched facilities to simplified mixed recycling; Set up recycling for several facilities that had none
Location	Recycling Rate (%)													
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✓	26. Conduct employee awareness campaigns at County for waste reduction and recycling. 	Special collection events have raised awareness among employees. For example, 220 Phones were collected during an employee cell phone collection event. Newsletter articles for all employees have addressed recycling. MINT site developed as source of information for employees on recycling and waste reduction.												
	27. Require County contractors and vendors to document the use of recovered materials in their products and follow environmentally responsible solid waste management by 2010.	No action has been taken in this area yet.												
✓	28. Expand County recycling of asphalt and other street material.	Asphalt from old roads in Multnomah County is currently crushed into "Milled Asphalt" or "Grindings". These grindings are reused locally by the Roads Division for road maintenance, road reconstruction, and for road shoulder restorations.												
	29. Continue to improve internal County waste prevention practices.	A new resolution proposes to identify waste prevention actions each County department can take to reduce the volume of solid waste generated from their operations.												
	30. Hold County agency managers directly responsible for resource conservation practices in their agencies by 2010.	Resolution proposed to create recycling and waste prevention plan for County facilities that will be developed on cooperation with departments. Provision of information on annual paper use and garbage generation by department has begun. Further action to foster manager responsibility needed to meet 2010 goal. 												

## Forestry and Carbon Offsets

✓	31. Adopt policies to restrict the purchase and use of non-sustainably harvested timber by County agencies by 2010.	<p>The Forest Stewardship Council (FSC) is an international network to promote responsible management of the world's forests. By standardizing on LEED criteria in the County's High Performance Green Building Policy, use of FSC certified wood will now be evaluated for all County projects.</p> 
	32. Explore tax deferral for County forestlands certified by the Forest Stewardship Council by 2010.	No action has been taken in this area yet.
	33. Implement best management practices for County urban landscaped areas and where appropriate seek certification by 2010.	Best management practices will be reviewed for County landscaped areas.
	34. Explore investing in carbon offsets and retire the credits to help meeting the County's overall greenhouse gas reduction goal by 2010.	Action in this area will only be taken if needed to meet our overall greenhouse gas reduction goal.