

RESOLUTION NO. \_\_\_\_\_, SERIES 2007

RESOLUTION ADOPTING CITY OF DAVIS INITIAL GREEN HOUSE GAS  
REDUCTION MEASURES - CITY OPERATIONS

WHEREAS, the Davis General Plan establishes visions, goals and policies that guide the community away from impacts on natural systems and toward sustainability; and

WHEREAS, the adopted City Council goals for 2007/08 provide clear direction that action on climate change and related issues is a City priority and that many of the other Council goals (downtown, housing, infrastructure, etc.) are related to and affected by the approach the community takes to sustainability; and

WHEREAS, as part of its action in adopting the City of Davis Climate Protection/Community Sustainability framework Strategy in April 2007, the City Council directed staff to develop a package of early actions to reduce the City's green house gas emissions; and

WHEREAS, the City has adopted resolutions supporting the Cities for Climate Protection Campaign in 1999 and the U.S. Mayor's Climate Protection Agreement in 2006; and

WHEREAS, these two resolutions outline the emerging global warming threat and encourage cities of all sizes to take preventative steps; and

WHEREAS, the City wishes to implement short and long term actions to address climate change and community sustainability.

NOW, THEREFORE, the Davis City Council does hereby adopt the set of green house gas emissions reductions measures shown in Attachment 1 of this resolution and directs staff to return with a specific budget for implementation.

PASSED AND ADOPTED by the Davis City Council on this 23<sup>rd</sup> day of October, 2007 by the following vote:

AYES:

NOES:

ABSENT:

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Sue Greenwald, Mayor

ATTEST:

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City Clerk

Attachment 1 - Initial green house gas reduction measures - City Operations

**Attachment 1**

Initial green house gas reduction measures - City Operations

Category	Measure	Description	GHG Reductions (est.)/Cost	Stage of Completion
<b>General</b>	Join the California Climate Action Registry	The Registry is a non-profit public/private partnership that serves as a voluntary greenhouse gas registry to protect, encourage, and promote early actions to reduce GHG emissions. The Registry provides a verifiable emissions protocol that will ensure that participants receive appropriate consideration for early actions in the event of any future state, federal or international GHG regulatory scheme.	<p>GHG – The Registry is an inventory and planning tool. No direct GHG reductions.</p> <p>\$: Low Costs for materials low. Administrative costs low.</p> <p>Expected cost: Less than \$7,500/yr</p>	✓ DONE
<b>Transportation</b>	Bike Loan Program	Loan program for the purchase of a commuter bike by City employees from a local bike shop. Bike would be a pre-determined commuter bike package. Loan program would be similar to the existing city computer loan program.	<p>GHG – Moderate potential</p> <p>\$: Low.</p> <p>Opportunity cost of funds on loan that would otherwise be earning interest. Administrative costs expected to be low due to similar loan program for computers.</p> <p>Expected cost: Less than \$5,000/yr</p>	✓ DONE
	Fleet greening	Purchase up to 8 hybrid vehicles this coming fiscal year as part of scheduled vehicle replacement. Vehicles selected for similar functionality. As other types of hybrid vehicles come to market, additional	<p>GHG – High potential.</p> <p>\$ - \$\$\$: Low to high.</p> <p>Total estimated cost premium</p>	✓ IN PROCESS

Category	Measure	Description	GHG Reductions (est.)/Cost	Stage of Completion
		replacement opportunities will occur (e.g. light duty pick-up trucks).	<p>for hybrids is \$55,000 for the 8 vehicles. When fuel cost savings are factored in over the lifetime of the vehicle, the total cost is less than \$50,000.</p> <p>Additional cost offsets are possible with grant funding opportunities through the Yolo/Solano AQMD. If grant requests are successful, cost could be low.</p> <p>Expected cost: \$55,000 this FY.</p>	
	City contracts with haulers specify use of alternative fuels.	Encourage haulers to utilize alternative fuels/technologies. For example, bio-diesel in heavy equipment.	<p>GHG – Undetermined.</p> <p>Undetermined. Research into conversion to bio-diesel fuel for City fleet shows initial and on-going costs are minimal. Reliability and performance are key issues.</p> <p>Expected cost: Undetermined.</p>	✓ PENDING
<b>Materials Management</b>	Expand waste reduction/recycling programs in city facilities	<ol style="list-style-type: none"> <li>1. Set all printers/copiers defaults to duplex</li> <li>2. Standardize desk side recycling containers</li> <li>3. Purchase of rechargeable batteries (non-emergency services).</li> </ol>	<p>GHG – Low/Moderate potential.</p> <p>\$: Low</p> <p>Costs for materials low. Administrative costs low. (staff priorities adjustment to</p>	✓ IN PROCESS

Category	Measure	Description	GHG Reductions (est.)/Cost	Stage of Completion
			implement)  Expected cost: Less than \$5,000/yr	
	Net100% post consumer waste recycled copy paper purchase.	Purchase 100% recycled content copy paper.  Expand to 100% when state contract is amended to include 100% recycled content which will significantly lower price (early 2008?)	GHG – Low potential.  \$: Low  Cost for materials moderate. Administrative costs low. Costs may be lower than expected if paper reduction strategies noted above are successful.  Expected cost: \$2,000/yr	✓ DONE
	Construction and Demolition recycling ordinance	50% diversion rate required in newly adopted ordinance.	GHG – Moderate potential.  \$: Low  Cost for materials low. Administrative costs low.  Expected cost: Less than \$5,000/yr	✓ DONE
	Bottled water purchase policy	Policy to encourage local sourcing for City functions/events where water/food may be served. See attached resolution.	GHG – Undetermined.  \$: Low  Material costs low. Administrative costs low. (staff priorities adjustment to implement)	✓ DONE

Category	Measure	Description	GHG Reductions (est.)/Cost	Stage of Completion
			Expected cost: Less than \$1,000/yr	
<b>Energy</b>	City facility energy audit	Use PG&E program available to all its energy customers.	<p>GHG – No direct GHG savings. Initial step in improving energy efficiency in City facilities.</p> <p>\$: Low</p> <p>Material costs none. Administrative costs low. (staff priorities adjustment to implement)</p> <p>Expected cost: Less than \$1,000</p>	✓ DONE
	Energy Management System	Centralized energy management of city facilities. Allows facilities staff to program for energy savings and comfort. Similar to program implemented by the DJUSD to make significant energy savings. Potential for up to 10% overall energy savings for city facilities.	<p>GHG – High potential.</p> <p>\$ - \$\$: Low/Moderate</p> <p>Material costs moderate. Administrative costs low. Over time, energy cost savings off set initial investment cost and on-going administrative costs. Possible PG&amp;E grant funding opportunity to off set initial costs.</p> <p>Expected cost: \$75,000 initial cost. \$5,000/yr</p>	✓ IN PROCESS

Category	Measure	Description	GHG Reductions (est.)/Cost	Stage of Completion
	Energy education – city staff	<ul style="list-style-type: none"> <li>• Turn off</li> <li>• Unplug</li> </ul>	GHG – Low potential.  \$: Low  Material costs low. Administrative costs low. (staff priorities adjustment to implement)  Expected cost: Less than \$5,000/yr	✓ PENDING
<b>Buildings</b>	Green building program	Existing voluntary education program for homeowners and builders/contractors. Requires training for Building staff.	GHG – Moderate potential.  \$: Low  Material costs low. Administrative costs low.  Expected cost: Less than \$5,000/yr	✓ DONE
	LEED equivalent rating for new city buildings	Require LEED equivalent rating for new city buildings to reduce GHG emissions and promote overall sustainability. Also in anticipation of similar requirement for all new non-residential construction.	GHG- Undetermined.  \$ - Undetermined – potentially very high. Cost to be determined on a project by project basis	✓ PENDING
	LEED equivalent rating for city remodels/retrofits	Require LEED equivalent rating for city remodel projects costing more than \$10,000.	GHG- Undetermined.  \$ - Undetermined – potentially very high. Cost to be determined on a project by project basis	✓ PENDING

Category	Measure	Description	GHG Reductions (est.)/Cost	Stage of Completion
	Local solar incentives program	<ul style="list-style-type: none"> <li>Streamlined processing/inspections</li> <li>Information share on financing alternatives and incentives</li> </ul> <p>Builds on pilot program tested by the City several years ago.</p>	<p>GHG – Low/Moderate.</p> <p>\$: Low</p> <p>Material costs low. Administrative costs low.</p> <p>Expected cost: Less than \$5,000/yr</p>	<p>✓ IN PROCESS</p>
<b>Education (city staff)</b>	Staff training budget	Cost for training to ensure Davis is up to date on emerging trends/technology related to climate change and sustainability.	<p>GHG – No direct GHG savings. Employee training necessary to meet long term goals.</p> <p>\$: Low</p> <p>Material costs low. Administrative costs low.</p> <p>Expected cost: \$10,000/yr</p>	<p>✓ PENDING</p>
	Web site tip of the week	New web based effort to inform/educate city employees on existing/emerging city efforts to address climate change and sustainability	<p>GHG- Low.</p> <p>\$: Low</p> <p>Material costs none. Administrative costs low. (staff priorities adjustment to implement)</p> <p>Expected cost: Less than \$1,000/yr</p>	<p>✓ PENDING</p>
	Staff orientation materials	Educate new employees on their role in implementing city policies related to climate	<p>GHG- Low.</p>	<p>✓ PENDING</p>

Category	Measure	Description	GHG Reductions (est.)/Cost	Stage of Completion
		change and sustainability.	\$: Low  Material costs low. Administrative costs low. (staff priorities adjustment to implement)  Expected cost: Less than \$1,000/yr	

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