

ENERGY & WATER

The Department of Corrections

is enthusiastic about the potential for renewables at their facilities.



The Department of Corrections Green Team (l-r): Diana Dean, Patty Pettus, and Shirley Divido

Corrections' current efforts include solar, methane and Performance Contracting projects.

The Department of Human Services building automation system is one of the top five Siemens' systems by size in the state, and part of a Performance Contract that will result in \$1.88 million annual savings. The system controls all mechanical and electrical systems throughout DHS facilities.

A xeriscape project at the **Public Health and Environment's Lowry Lab** saved approximately 1.3 million gallons of water and provided a Denver Water rebate of \$38,500 over five years.

The Department of Labor and Employment's Denver office, 251 E. 12th Avenue, is expected to receive LEED for Existing Building certification by August. If successful, it will be the first Colorado building to be recognized for excellence in both its design and construction under LEED for New Construction, and its operations and management under LEED for Existing Building certification.

PETROLEUM

The Department of Agriculture purchased RTD Eco Passes for Denver employees to encourage alternate forms of commuting and provide a cost-effective mechanism for some state travel. Department employees use RTD's skyRide to DIA when traveling on State business.

The Department of Local Affairs adopted a policy of purchasing only *hybrid vehicles* except when the business case can be made to purchase something different.

Although the majority of the **Colorado State Patrol** fleet is exempt (law enforcement) from the Greening Government Executive Order, CSP is introducing more flex-fuel vehicles into its fleet, and continues to research add-on equipment for efficacy and energy savings (for example, light bars for enforcement vehicles).



Video conferencing capabilities across the state are in place at five major **Division of Wildlife** offices. There have been 72 video conferences this year.

The Division of Reclamation and Mining Safety is using mobile computing equipment in the field to reduce trips into the office for data back-up and retrieval.

The new flextime policy at **Department of Health Care Policy and Financing** allows for alternative work schedules. The monthly Medical Services Board meeting is now available to the public via Audio Streaming which allows attendees to listen from home or office and not have to commute to the meeting location.

MATERIALS & RESOURCES

The Department of Law partnered with **DPA** to convert over 450,000 Peace Officer Standards Training paper documents to images. This eliminated the content of 100 file drawers, and allows DOL staff to quickly and efficiently retrieve and send documents.

The 8th Judicial District Probation Office eliminated Styrofoam cups, Styrofoam and paper plates and plastic utensils in the workplace.

The furniture panels in newly leased space at the **Governor's Energy Office** were salvaged from another office building.

The Sterling Correctional Facility diverts approximately 55% of its solid waste from the landfill by recycling and composting.

The Department of Regulatory Agencies is organizing an e-scrap waste event for employees working in the Capitol Complex area.

EDUCATION & ADVOCACY

Over 30 planning and implementation grants have been awarded by the **Colorado Water Conservation Board** for statewide water conservation activities.

Denver's Bike to Work Day, June 25, will kick-off a greening awareness campaign at the **Department of Higher Education**. In addition to encouraging employees to bike or otherwise avoid automobile use that day, DHE will provide energy and water conservation sessions as well as recycling and other greening ideas. Green prizes and fun activities will help encourage all employees to participate.

RENEWABLE ENERGY

The Colorado Geological Survey is actively working with the **Governor's Energy Office** to develop statewide maps of Colorado's geothermal potential. The geologic characteristics of the state, along with new geothermal power plant technology, provide exciting opportunities for this renewable energy source.

State Parks reached an agreement with United Power to install electric thermal storage units at the **Golden Gate State Park** at no cost to the State. The installation will reduce peak energy demand by converting electric to thermal energy during off-peak hours and release the stored thermal energy during peak hours to meet demand without paying peak energy rates.

Incorporating a transpired solar collector into a ventilation project at the **Department of Military and Veteran's Affairs Buckley Air Force Base** aviation hanger was an innovative project. DMVA's sensible approach to energy management "we make energy conservation considerations a part of every project" made it possible to undertake a successful renewable energy project.

The State Land Board and a private partner installed a measurement device at the Lowry Range to determine the solar resources available to supply power on the 3,870-acre planned community southeast of Denver.

