

WELCOME TO THE DENVER FEDERAL CENTER!

We are thrilled that you decided to visit our campus to learn more about the green technologies and practices that the federal government and GSA employ to manage projects, meet green goals and practice sustainable development.

Let's start our journey with transportation.

- Replaced 22 traditional fuel-powered vehicles with 18 zero-emission vehicles.
- 13 low-speed electric vehicles and two golf carts are on site. There are currently 30 level one electric vehicle charging stations and 11 dual output (level one and two) electric vehicle charging stations being installed.
- The Regional Transportation District (RTD) provides regional and local bus service to the campus, and in April 2013, the all new DFC light rail transit station opened another form of energy efficient transportation.
- The DFC B-cycle program consists of a fleet of 50 bikes and is a clean and simple way to get around campus. It includes six bike stations located at Buildings 20, 25, 41, 67, 810, and Gate 5 near the public transit station. It's open to all campus tenants free of charge.

Up next, crucial infrastructure updates.

- Installed a pervious concrete parking lot that is more than 100,000 square feet to support a campus green storm water program.
- Designed an outdoor fitness trail made of recycled tires mimics a path of leaves and is located at the corner of Center Avenue and Fourth Street. This half-mile trail offers 12 outdoor fitness stations including two handicapped-accessible stations.

One of the great things about working in a campus environment is the sense of community. Campus activities aid in providing a sense of camaraderie among campus tenants.

- The DFC hosts a handful of annual events that educate and promote a green lifestyle, including an Earth Day event and a summer farmers market that runs from June through September. The weekly market showcases a wide variety of local businesses.
- The Bicentennial Park canopy and picnic area is available for tenants to use for work meetings, picnics and team outings. The canopy area is equipped with Wi-Fi and a grill.



Building 20	Building 50	Building 67
Building 21	Building 53	Building 85
Building 25	Building 54	Building 95
Building 40	Building 56	Building 810
Building 41	Bi-Centennial Park	

With nearly 6,200 tenants and 44 active buildings, we realize our energy consumption can have a big impact on the environment. These projects have helped balance our energy footprint while continuing operations and delivering customer service.

- Three solar fields; rooftop arrays at Buildings 20, 56, and 810; as well as carport arrays at Buildings 20, 25, 50, and 810 produce 8 megawatts DC annually. The 34,464 photovoltaic panels produce 22% of the DFC's electrical needs annually. The combined capacity of all the solar arrays is enough to power around 1,064 residential homes.
- USGS space consolidation within Building 810 exceeded their utilization goal of 180 with a 179.8 square feet per person. This is a significant reduction from 406 square feet per person.
- The Bureau of Land Management occupied both Building 40 and 50 and GSA consolidated and renovated Building 50 to better accommodate the work of BLM employees. BLM was able to reduce the amount of space the agency used by close to 40,000 square feet giving taxpayers an annual rent savings of about \$445,000.
- The 75-year-old Building 41 is now a LEED Certified Existing Building that delivers a 98 out of 100 energy performance rating. A couple of ways this was achieved is through reducing the building's water usage by 32% and adding a roof coating that reduces the heat island effect.

- The Department of State facility has successfully achieved LEED Gold certification. Significant achievements include:
 - 100% of rainwater is captured and treated in bioswales and a bioretention pond where water slowly infiltrates back into the ground.
 - The vegetated site used native upland and wetland bioswale seed mixes which are suitable for the arid climate and survive without supplemental irrigation.
 - There is a 26.7% energy cost savings over that of a conventional data center design. This savings will be monitored year over year to ensure that the projected savings is realized.
 - All materials for the structure and envelope of the building were manufactured and extracted from within 500 miles of the project site. In addition, approximately 90% of the materials contain recycled content.
 - While renewable technologies were not a part of this project, a rooftop solar electric plan was developed making the building solar-ready, should the need and desire arise.

Need a break? How about some H2O?

- GSA project managers and their contractors are trained on storm water management practices. These practices include:
 - A construction site inspection program to reduce sediment discharge to storm water.
 - Environmental Management System (EMS) procedures and training to ensure that storm drains are protected from construction sediment.
 - Containment structures for landscaping materials to reduce run-off of solids into storm water.
 - Distinct markers near storm drains to increase public awareness of potential discharges.
- Water Quality Lab is part of GSA's Green Proving Ground program that looks at new technologies that conserve water. This project identified three water cooling tower technologies. Measurement and verification is currently being completed by a third party organization.

This concludes our Greening a Federal Campus Tour! We hope that you've enjoyed it!

For more information on our campus, please visit:

www.gsa.gov/r8dfc

www.facebook.com/DenverFederalCenter

To view video clips of some green projects, please visit:

<http://www.gsa.gov/portal/content/162743>

<http://www.gsa.gov/portal/content/162735>

<http://www.gsa.gov/portal/content/162727>

<http://www.gsa.gov/portal/content/162739>

GREENING A FEDERAL CAMPUS