

Facilities Focus

Summer 2022

The quarterly newsletter of CSU Facilities Management

Tree Talk

By: Campus Arboretum Committee

The Campus Arboretum Committee and partners were thrilled to have approximately 30 volunteers who planted trees with us on April 22, 2022. More individuals joined us for the ceremony and speeches. Campus Arborist Scott Simonds guided volunteers in planting the following 12 trees on CSU's South Campus at the Diagnostic Medicine Center.

- 3 Acer myabei Morton State Street maple
- 3 Amelanchier x grandiflora Autumn brilliance serviceberry
- 3 Quercus x Macdanielii Clemson Heritage oak
- 3 Syringa pekinensis China snow Peking lilac tree

This was CSU's 12th consecutive arbor day planting, and our 11th year being acknowledged as a Tree Campus Higher Education institution. You can view [more pictures of the event](#) on SOURCE, and for further reading check out these [46 facts about CSU's trees](#).



Campus Arborist Scott Simonds and Colorado State Forest Service Forester Greg Zausen.
Photo courtesy of Micha Bennett.



Engagement & Recognition Committee

By: Joan Paulsen

This quarter the Engagement and Recognition Committee participated in World Facilities Management Day by providing donuts from Dunkin Donuts. We greatly appreciate everyone's hard work and resilience and hope you all enjoyed the variety of available donuts.

It is time once again for the Engagement and Recognition Committee to randomly draw a name for this quarter's SPARK award from the eligible recipients who have enacted Facilities Management core values. This quarter's recipient will receive a total of \$250 (taxable) gift card(s) of the recipient's choosing.

Congratulations **Jason Brueggeman**, Quarterly SPARK award recipient for our 2nd quarter drawing.



For the summer, we will be adjusting our redemption times. We will be have redemptions on the 1st and 3rd Wednesdays through August from 10:00 - 11:00 am and 3:15 - 4:15 pm.

Did you know?

By: Susanne Cordery

The Veterinary Teaching Hospital on south campus uses a "digester" to dispose of animal carcasses that might be infected such that they cannot be buried at the landfill. Some of you are familiar with this piece of equipment, and its companion odors. The digester is like a giant pressure cooker – it uses potassium hydroxide, high pressure, and temperature to quickly decompose tissue and inactivate pathogens. What remains is a gelatinous goo that is put into a dumpster for disposal at the landfill. One day in 2012, the dumpster broke, and the goo leaked out. It was a large spill. But the spill was slow, oozing and spreading gradually out over the course of several hours. This gave staff time to have lunch and then get equipment to clean it up. You will be glad to know it did not get into the storm drain and was never a threat to the environment.



World Facilities Management Day!



Guadalupe Franco, Yolanda Reyes, Tammie Alderin, and Maria Baltierra



Steve Carmer and Lucas Davey



Tom Satterly and Jeff Wilcox

Donuts from Dunkin' Donuts



On April 20th, CSU celebrated earth day with a festival on the west lawn of the Lory Student Center. Facilities Management had two tables, with one featuring an Enviroscape model. This model was hands-on for participants demonstrating how contaminants end up in stormwater run-off. The teaching and learning tool had representative contaminants like dog poop, litter, and fertilizer and showed we all need to be mindful of the interconnections between our actions and activities and the natural world.

The second table featured a 'Sustainability at CSU' 3-question survey where students and employees were asked the following:

- How does CSU best demonstrate its commitment to sustainability?
- How should CSU demonstrate its commitment to sustainability?
- What can you do to support sustainability at CSU?

This little survey opens the door to great conversations about sustainability and is awesome for fun engagement. Visitors that filled out the survey, were given a re-usable mug (provided by ISW) and/or a piece of candy.

Several Facilities groups came together to plan and make this a reality – Integrated Solid Waste (ISW), Engineering and Capital Construction (ECC), Utilities Services (US) and Building Services. The Facilities personnel who made this event a reality demonstrated collaboration, expertise, care, and campus stewardship; all core FM values. Here is a list of staff who helped:

Thorban Sellers, BSG
Susanne Cordery, ECC
Stacey Baumgarn, ECC
Carol Dollard, ECC
Jordan Mitchell, US
Trevor Melton, ISW
Heidi Mechtenberg, US
Bill Harned, US
Dimitri Poppeliers, ECC
Matt Dillingham, Building Services

During this 3-hour event, we gave away almost 400 re-usable mugs and several pounds of candy!

260 people participated in the mini survey about sustainability at CSU, and that translates to hundreds of students and employees touched by our FM team. It was a great way to celebrate Earth Day and sustainability here at CSU.

Earth Day at CSU!



Stacey Baumgarn



FM Staff at Earth Day—2022



Susanne Cordery



**Carol Dollard and
Bill Harned**



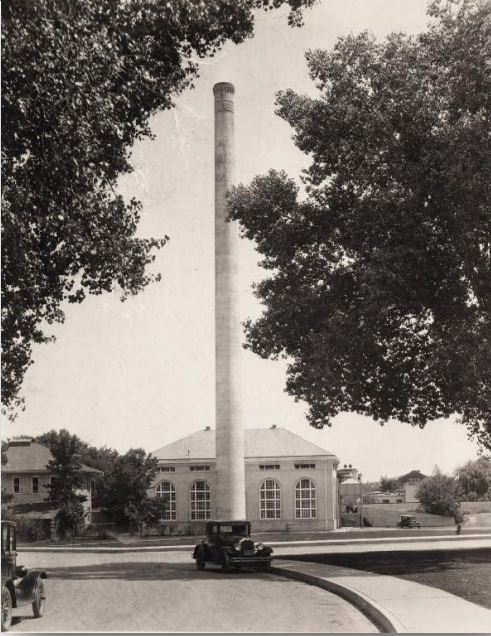
Rising from a steep hill at CSU's Foothills Campus, the new CIRA Commons is a unique building that blends natural materials with the beautiful landscape of the foothills. The building's grand opening on June 1st showcased the talents of the Facilities Management (FM) team, including the following FM Sections: RCS, Engineering and Capital Construction, and Planning and Design.

In 2019, the Cooperative Institute for Research in the Atmosphere (CIRA) approached FM in need of a new building. They collaborated with university architect Mike Rush to develop a concept and a design. During the design phase the pandemic struck causing issues like material and worker shortages, delays, and modified working conditions. These delays also provided a unique opportunity for FM to complete the construction documents in-house. Later RCS worked on the interior construction and finishes because of the ongoing labor shortage. The construction of CIRA Commons took a true group effort. Project manager, Jared Cumpsten, coordinated the work among multiple trades, engineers, and designers and stated at the end of the project,

"None of this would have been possible without everyone working together and supporting each other. I hope the most important take away, other than the amazing skills and talents you all were able to highlight through the final product, is that it takes a team working together to accomplish amazing things."

The interior of the building reveals exposed cross laminated timber (CLT) construction. The CLT posts and beams are cut-to-size at a manufacturing facility, brought on site and then assembled like an erector set. Walk up a small hill surrounded by weather satellites, and the building comes gently into to view. Once inside, the exposed wood throughout frames views of the mountain, Fort Collins, and the Foothills campus. While the main building is complete, additional fundraising brings resources for inclusivity needs and a large deck on the east façade soon to come. This unique design and construction project shows the versatility and creativity the FM sections have when working together and as a team.





For over a century, the Colorado State University Main Campus has been heated by steam. It is an old and very reliable source of energy. The District Heating plant was constructed in 1915, creating CSU's first district utility. In 1960, multiple coal-fired boilers were replaced by a new, natural gas boiler (Boiler #3). After over 60 years of service, Boiler #3 is finally eligible for retirement. It is a significant milestone for the District Heating system, and Boilers #1 and #2 are not far behind.

The District Cooling utility is relatively much newer. District Cooling plant #1, located just south of the District Heating plant, began construction in 1999. This plant equipment will reach the end of its life in 2030.

These significant equipment replacements were an opportunity for Facilities Management to pursue district utilities that are more sustainable and efficient. A team consisting of several in-house personnel and a consulting firm studied numerous potential system types, including renewable fuels and additional geothermal fields. The option with the best cost-benefit that also accomplishes CSU's sustainability goals is called a Combined Heating and Cooling (CHC) system.

CHC on the Main Campus will allow a significant amount of lost energy from air conditioning to be reused for building heat elsewhere on campus. CHC also helps create heating water with more electricity and less natural gas. CHC requires several changes to the district utilities. Main Campus buildings will be converted from steam heating to hot water heating and Chiller Plant #1 will be renovated to house equipment that can produce both hot water and chilled water. The conversion requires the installation of an entirely new hot water distribution system, changes inside buildings, and constructing millions of gallons of thermal storage. It will take around 10 years to implement but saves the university more than \$160 million over 60-years.

Most importantly, the more efficient heating system will lessen the University's environmental footprint, bringing it a step closer to the goal of carbon neutrality by 2040. Coupled with strategic changes in building operations, CHC will reduce annual natural gas combustion at the District Heating plant by over 70% in 2030 and near zero beyond 2040. The conversion will also ensure the campus saves almost 2 billion gallons of water over 60 years by using less evaporative cooling to send air conditioning heat into the atmosphere, a very important co-benefit in our arid region.

**Congratulations to the following employees who
have reached their service milestones!**

5 Years

Juan Garcia, Custodial
Therese Offerman, RCS Finance
Jennifer Williams, Custodial
Scott Cummings, Custodial
Marcus Moritz, ISW
Kwuajzrel Yearby, Custodial
Alyas Ernst, Custodial
Gilbert Mojica, ISW
Tyson Montoya, Grounds
Wyatt Rogers, District Energy
Abbi Zablocki, Custodial

10 Years

Dillon Wayman, Custodial
**Tracey Abel, Engineering &
Capital Construction**
Bill Brubacher, RCS
Ken Duke, RCS
Aaron Garcia, BAS
Steve Peteh, Mechanical Services

15 Years

Shelly Carroll, Design & Construction
Thomas Knoll, RCS
Rosalina Munguia, Custodial
Monica Roth, Finance
**Milton Brown, Engineering &
Capital Construction**
Martha Coleman, Planning
Charley Carroll, RCS



The FM JEDI team is always looking for new members. We desire to have representation from each section of Facilities. Currently we need members from the following sections:

Capital Design and Contract Administration

Computer Services

Engineering and Capital Construction

Human Resources

Operations – Customer Service, District Energy, Logistics, Outdoor Services, Utilities

The FM JEDI Team strives to have a diversity of perspectives on our team. We meet monthly, typically the 3rd Wednesday of the month. Our meetings are scheduled from 11 am – 12:30 pm, but we often only meet for one hour. Our members have different levels of participation, with some only able to attend meetings and others able to volunteer for projects outside of meeting times. We work with you based on your schedule and availability.

Often people are curious what the JEDI Team does before committing to joining the team; feel free to reach out and “try out” a meeting. If you are interested or have more questions about what the JEDI Team does, please email us: Fac_diversity_team@colostate.edu

Principles of Community - Lived Examples

By: Harrison Bridge

Marissa Koski reflects the JEDI values of diversity and inclusion as a Custodian II with Team 10am. She builds a positive work environment with the multi-generational custodians working within Team 10am by addressing and solving the work-related questions and tasks. Marissa considers the physical abilities and the generational work ethics involved when assigning job duties to enhance the team’s productivity and over-all morale. Including all team member’s ideas and suggestions in decision--making is the cornerstone of Marissa’s leadership. She listens to the team and whenever possible, adapts projects and workload to create team harmony, morale, and produce quality work.

Thank you to the FM Newsletter Committee and all of the *Facilities Focus* contributors for helping create this quarterly newsletter!

