

Coordinator of Resource Stewardship Annual Report for Fiscal Year 2023

Report prepared in compliance with Utah Code § 63A-1-116(3)(b)

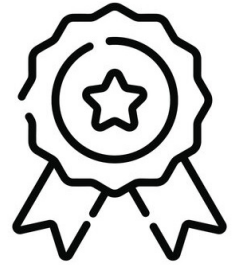


Utah Department of
**Government
Operations**

Award Recognition

Utah Business Green Business Award

- Each year Utah Business, in partnership with Rocky Mountain Power, honors Utah entities and individuals making strides toward our state's environmental sustainability.
- In October 2022, the Utah Division of Facilities and Construction Management (DFCM) was selected as one of the awardees for the [2022 Green Business Award](#) in the "Community/Government Initiative" category.
- DFCM strives to create professional spaces that implement cost-effective methods for energy-efficient design, construction, and operations. DFCM achieves this through multiple programs, including the High Performance Building Standard (HPBS), the State Facility Energy Efficiency Fund (SFEEF), and the implementation of the Statewide Space Master Plan.



UCAIR Community Partner of the Year Award

- The Utah Clean Air Partnership (UCAIR) Board nominated the Workforce Expansion for Electric Vehicles (WeEV) collaboration team as its [2023 Community Partner of the Year](#).
- WeEV is an electric vehicle (EV) auto technician program which utilizes the "Train the Trainer" model, curriculum, and proof of concept for working with disadvantaged communities and industry.



ISS Collaboration Award



- For the first time, the Intermountain Sustainability Summit (ISS) community from Weber State University presented [ISS Sustainability Collaboration Awards](#) for sustainability professionals implementing partnerships to amplify their influence and impact.
- The award was meant to highlight those in our community who have joined efforts to bring greater sustainability practices and equitable solutions to the region in relation to the [United Nations' Sustainable Development Goals](#) (SDGs).
- The collaboration team was awarded the 2023 ISS Collaboration Award for work on their Workforce Expansion for Electric Vehicles (WeEV) Project. The team included:
 - » Utah Department of Government Operations, via the Utah Division of Fleet Operations and the Coordinator of Resource Stewardship
 - » Weber State University
 - » Governor's Office of Economic Opportunity
 - » UCAIR
 - » Utah Office of Energy Development
 - » Utah Clean Cities
- The WeEV program was originally developed when applying for the Inflation Reduction Act Area of Interest 11 (AOI 11). While the project was not selected for funding by AOI 11, the collaborating groups continue to work together to find funding and make the project a reality.



Public Transportation

State ECO Pass Program



- During Fiscal Year 2023 (FY23), the Department of Government Operations, who manages the State of Utah ECO Pass program, made the decision to have each participating agency manage its own cards once again, as they had historically done.
- When this transition occurred in April 2023, all agencies were issued new ECO Pass cards from UTA. Utilization of these new ECO Pass cards will be included in the FY24 Coordinator of Resource Stewardship Annual Report.

Utah Department of Environmental Quality

SB136 (2022) Update

- [Senate Bill 136 \(2022\)](#) Air Quality Policy Amendments, directs DEQ to conduct studies and develop a recommended framework for a Utah-specific diesel emissions reduction program.
- The studies are to include:
 - » Potential emission reduction goals from on- and off-road diesel vehicles and equipment and in specific geographic airsheds;
 - » Potential diesel emission reduction financial incentive programs, including the Texas Emissions Reduction Plan (TERP);
 - » Potential revenue sources to fund incentive programs;
 - » Administrative, evaluation, and reporting responsibilities; and
 - » Potential environmental mitigation projects that could reduce emissions within and around the inland port area and to be implemented by the Utah Inland Port Authority (UIPA)
- The recommended framework should include:
 - » Diesel emission reduction goals;
 - » Financial incentive programs to encourage the reduction of diesel emissions
 - » Revenue sources to fund the financial incentive programs
 - » Implementation of the Utah diesel emission reduction program
 - » Registration surcharges
 - » Potential environmental mitigation projects for UIPA
 - » Programs to foster new technology implementation
 - » Financial incentives for early retirement of heavy-duty diesel equipment and potential expansion of the CARROT (Clean Air Retrofit, Replacement of Off-Road Technology) Program
 - » State construction contract incentives
 - » Programs that directly benefit rural communities, UIPA areas, underserved/underrepresented communities, and disproportionate air quality affected areas
- DEQ released a [SB136 Status Report](#). In the report, DEQ highlights federal funding opportunities, potential environmental mitigation projects for UIPA, and research on incentives for clean equipment use on State construction projects and registration surcharges. The Final Report will be provided to the Utah Legislature by November 2023.
- For the research on State construction projects, DEQ worked with DFCM and the Utah Department of Transportation (UDOT) to better understand the type of equipment that is currently operating on state construction sites and the scope of State construction projects.
- The Utah Division of Purchasing and General Services also ran an RFI on the [Utah Public Procurement Place \(UCP\)](#) for 30 days, which would reach 3,800 vendors from the construction industry.



Electric Lawn Equipment

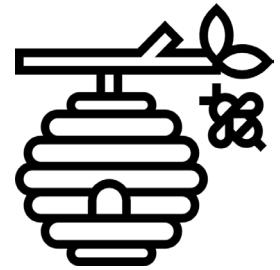
- As part of its ongoing efforts aimed at reducing summertime ozone, DEQ is planning to implement a new rule, titled, “ R307-314 [Limitations on Use of Two-Stroke Small Off-Road Engines in Yard Care Activities](#)” that would be enacted on Mandatory Action Days, as forecasted by DAQ.



- R307-314 would only apply to 2-stroke gas powered equipment, such as leaf blowers, string trimmers, etc.
- The rule would apply to: Davis, Weber, Tooele, Utah and Salt Lake Counties.
- DEQ plans to pair a large multi-year incentive program that is geared towards helping commercial operators switch to electric equipment if they choose to do so.
- The rule will be implemented in phases between 2024 and 2026, with State agencies beginning participation in Summer of 2024. DFCM has been in touch with DEQ throughout the development of the rule and shared their experience of electric lawn equipment use since DFCM implemented an electric lawn equipment pilot in FY22.

Beehive Emission Reduction Program

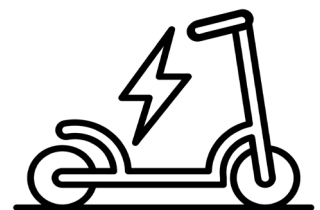
- On August 16, 2022, the Inflation Reduction Act of 2022 (IRA) was signed into law. Among other provisions, the IRA established funding for state greenhouse gas planning and implementation efforts. This funding initiative is known as the Climate Pollution Reduction Grants (CPRG) program
- Governor Cox has named DEQ as the lead agency to receive the CPRG funding and manage the [Beehive Emission Reduction Plan](#) initiative.
- DEQ plans to develop state-driven solutions that pave the way for continued growth while maintaining a high-quality of life in Utah.
- State agencies will be involved throughout the Stakeholder process and support DEQ as necessary, particularly in letting DEQ know what other climate-related funding they would like to pursue so that DEQ can help ensure that funding resources are being optimally leveraged to achieve meaningful emissions reductions while advancing the policy goals and objectives of the State of Utah.
- This plan will be implemented over several years, with a Priority Plan being delivered by Mar 1, 2024, and a Comprehensive Plan being delivered by summer-fall 2025.



Clear the Air Challenge

2023 State Employee Participation

- The State of Utah participated in the 2023 [Clear the Air Challenge](#) and was pleased to receive 2nd place in the “Large Team” category.
- The top performer in the 2023 Challenge was also a State employee from the Utah Division of Fleet Operations.
- A total of 30 State agencies participated, with 334 employees taking on the Challenge. This participation is similar to that seen in 2020, during the COVID-19 pandemic during which many employees teleworked. Teleworking continues to be the most popular mode of alternative transportation during the Challenge, making up 50% of the trips tracked.
- There were a total of 9,500 alternative trips taken, totaling 216,807 miles. This equates to 81.3 tons of CO2 being reduced. That’s the same amount of emissions being saved as avoiding 81 road trips between Boston, Massachusetts and Salt Lake.¹



Division of Facilities Construction & Management

Intermountain Industrial Assessment Center



- DFCM partnered with the [University of Utah Intermountain Industrial Assessment Center](#) (IIAC) to have energy assessments completed on several state facilities, including the Utah State Capitol and the Utah State Developmental Center.
- These technical assessments were a part of the StepWise energy efficiency program, a partnership between the University of Utah and Dominion energy Utah (DEU). The primary objective is to work with DEU customers to adopt improved, future-facing energy strategies that benefit the customer, their employees, and Utah's air quality.
- The assessments came at no-cost to the state, and allowed undergraduate, graduate, and doctoral students to utilize their education in real-world experiences. Implementation of recommendations is voluntary.
- Site assessments are intended to identify potential opportunities to improve energy efficiency, with a particular emphasis on an improvement in air quality and a reduction of natural gas usage.
- The goals of IIAC are to help the state reduce energy consumption, lower costs, and improve sustainability.



Low & No-Cost Performance Improvements

- Recommissioning is a systematic process for “tuning up” the major components of a building to improve energy efficiency. Monitoring-Based Commissioning (MBCx) is an evolution of this process and uses software and analytics to provide actionable information to optimize facility operations for long-term savings realization. DFCM embarked on a pilot effort and achieved the following cost savings:
 - » Ogden Regional Center - \$10,450
 - » Calvin Rampton (UDOT) Building - \$1,500
 - » Unified State Labs, Building 2 - \$51,300Bringing the total anticipated energy cost savings for the projects to \$63,250.
- Looking forward, DFCM is actively working on a MBCx program at:
 - » Heber Wells Building
 - » Olene Walker Building
 - » Taylorsville State Office Building (TSOB)
 - » Multi-Agency State Office Building (MASOB)



Energy Star

- All DFCM-managed, which are Internal Service Funded, buildings are now in the utility monitoring platform. The platform monitors natural gas, electricity, and water consumption.
- DFCM operates a total of 208 buildings, 21 of which are [Energy Star](#) eligible. This means they score at least 75 or higher on the Environmental Protection Agency's (EPA) 1 to 100 scale, indicating that they perform better than at least 75% of similar buildings nationwide.
- DFCM's portfolio of buildings are currently 27% more efficient than the national average on an area-weighted average.
- The utility monitoring platform is used to identify excessive consumption at any individual building and will identify when building consumption is drifting upward. This is how energy conservation opportunities were identified at the Provo Court and Ogden Juvenile Court Buildings. The platform is also used to verify where energy savings were achieved.



UL Verified Ventilation & Filtration Mark

- Utah State University became the first university in the United States to have been issued the [UL Verified Ventilation and Filtration \(VVF\) Mark](#) for its Mountain View Student Housing Building.
- The UL VVF Mark is granted to buildings whose ventilation and filtration systems meet strict, science-based performance requirements to deliver high indoor air quality (IAQ) to keep staff and students healthy.



DFCM & Higher Education Collaboration

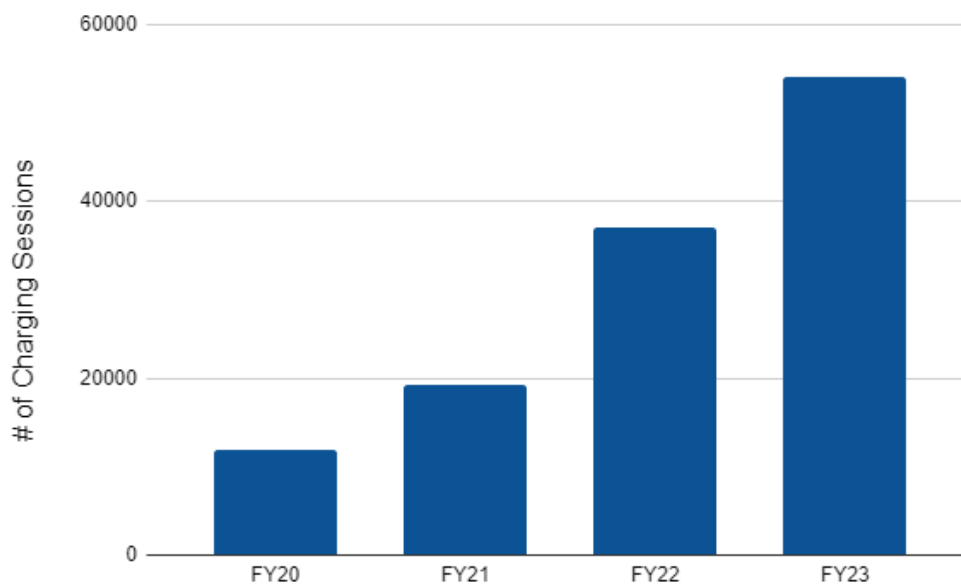
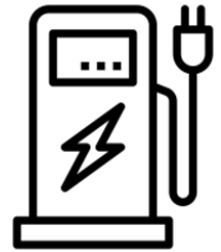
- DFCM helped facilitate a gathering of State of Utah Higher Education Energy Managers and Sustainability Professionals to share best practices, lessons learned, and provide resource networking opportunities.
- The gathering was successful and the group plans to meet quarterly moving forward. DFCM is planning to present their Recommissioning (RCx) protocols, successes, and lessons learned during their upcoming November 2023 gathering. They also plan to hold future events further south to allow Utah Tech University, Snow College, and Souther Utah University to attend.
- The current collaboration group includes:
 - » University of Utah
 - » Utah Valley University
 - » Utah State University
 - » Weber State University
 - » Salt Lake Community College
 - » Brigham Young University
 - » Westminster College



State Electric Vehicle Charging Network

State EVSE Utilization

- The State of Utah currently has 182 EV charging stations, with more planned to be installed in FY2024.
- The number of electric vehicle charging sessions increased from 37,155 sessions in FY2022 to 54,126 sessions in FY2023. This is a 46% increase in utilization.
- The FY2023 sessions led to 1.4 million pounds in greenhouse gas (GHG) emission savings. This is equivalent of carbon being sequestered by 757 acres of US forests in one year.²



NEVI Plan Update

- On September 14, 2022 the Biden Administration announced that Utah's National Electric Vehicle Infrastructure (NEVI) deployment Plan was approved ahead of schedule.
- UDOT has created a [Utah NEVI](#) website so the public can stay up to date on the progress of implementation of Utah's NEVI plan. The plan is currently in Phase 1 and is now accepting applications from interested parties for funding.



Division of Purchasing & General Services

Internship Program

- The Utah Division of Purchasing & General Services has reinstituted their internship program. For the first time, Purchasing created a Sustainable Purchasing internship which was co-managed by the Coordinator of Resource Stewardship. Purchasing plans to continue, and expand, their internship program in the coming fiscal years.
- The first intern reviewed current State Cooperative Contracts to see if products, vendors, or services were already applying sustainable practices. The hope is to make these practices more visible for customers who are interested in such product or service features.



2023 Sustainable Purchasing Summit



- In March 2023, the Utah Division of Purchasing & General Services, in partnership with the Coordinator of Resource Stewardship, hosted its second Utah Sustainable Purchasing Summit.
- Topics for this year's Summit included:
 - » An overview of the 2023 Utah Legislative session bills that could impact procurement professionals
 - » Greenwashing: what it is, and how to avoid the tactic; this presentation was given by Utah State University which has specific course studies in Sustainability Marketing and Greenwashing
 - » Cryptocurrency in State Government; Utah County Commissioner and member of the Utah Cryptocurrency Task Force, Amelia Powers Gardner, presented on how cryptocurrency and blockchain can potentially impact state procurement
 - » Panel Discussion on Utah Higher Education Goals for Sustainable Procurement; University of Utah, Weber State University, Utah State University, and University of Utah Health - Hospitals and Clinics participated in the panel discussion
 - » How Purchasing Can Assist Utah in Reaching It's State Implementation Plan (SIP) Goals for Ozone; this presentation was given by the Utah Department of Environmental Quality
- A total of 117 people attended the Summit in-person at the Taylorsville State Office Building, 3 at the Southern Watch Party hosted by Utah Tech University, and 15 at the Northern Watch Party hosted by the Davis School District, bringing the grand total to 135 attendees.
- Moving forward, the Utah Division of Purchasing and General Services will be implementing sustainable procurement breakout sessions during their quarterly PEP events, rather than hosting one quarterly meeting that only discusses sustainable procurement. The goal of this alteration is to encourage sustainable procurement conversations throughout the year, rather than just once a year.

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1. "How Much Is a Ton of Carbon Dioxide?" MIT Climate Portal, climate.mit.edu/ask-mit/how-much-ton-carbon-dioxide. Accessed 12 Sept. 2023.
 2. "Greenhouse Gas Equivalencies Calculator." EPA, Environmental Protection Agency, www.epa.gov/energy/greenhouse-gas-equivalencies-calculator#results. Accessed 31 Aug. 2023.

Driving Toward Better Air Quality Year-around

Stay up-to-date on the latest State agency air quality projects by following us on:

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Resource Steward Homepage: <https://govops.utah.gov/resource-stewardship/>

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