

# Anschutz CSA / ASA HR Community Meeting

---



- ▶ **Monday, August 6, 2024**
- ▶ **from 10:00 to 11:30**
- ▶ **Via Zoom**

## AGENDA

Florie Montoya, Assistant VC of TAC, Classification, Compensation & HCM

- **Welcome and Introductions**
- **Chat and Ground Rules**

Jay Campbell, Associate VC, Facilities Management

- **Facilities Sustainability**

Neil Krauss, Assistant VC, Office of Diversity Equity, Inclusion & Community Engagement

- **Background Check Working with Minors**

Wrap Up

# Sustainability at the CU Anschutz Medical Campus

Jay Campbell, Associate Vice Chancellor  
Facilities Management



# Sustainability @ CU Anschutz Medical Campus





# What is Sustainability?

## Question

What does sustainability mean to you?





# What is Sustainability?

## Question

What does sustainability mean to you?

United States Environmental Protection Agency (EPA)

**Sustainability is based on a simple principle: Everything that we need for our survival and well-being depends, either directly or indirectly, on our natural environment.**

**To pursue sustainability is to create and maintain the conditions under which humans and nature can exist in productive harmony to support present and future generations.**





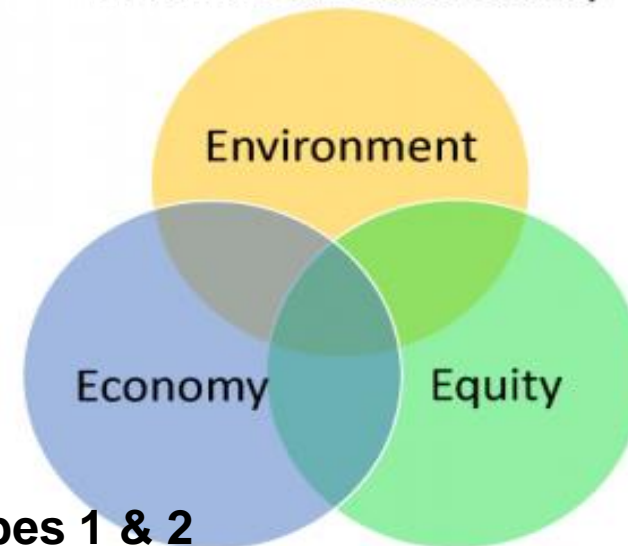
# Greenhouse Gas Emissions Scopes

**Scope 1: What We Burn** – Natural Gas to make Steam and Hot Water, Fleet Vehicle Fuel

**Scope 2: What We Buy** – Electricity from Xcel

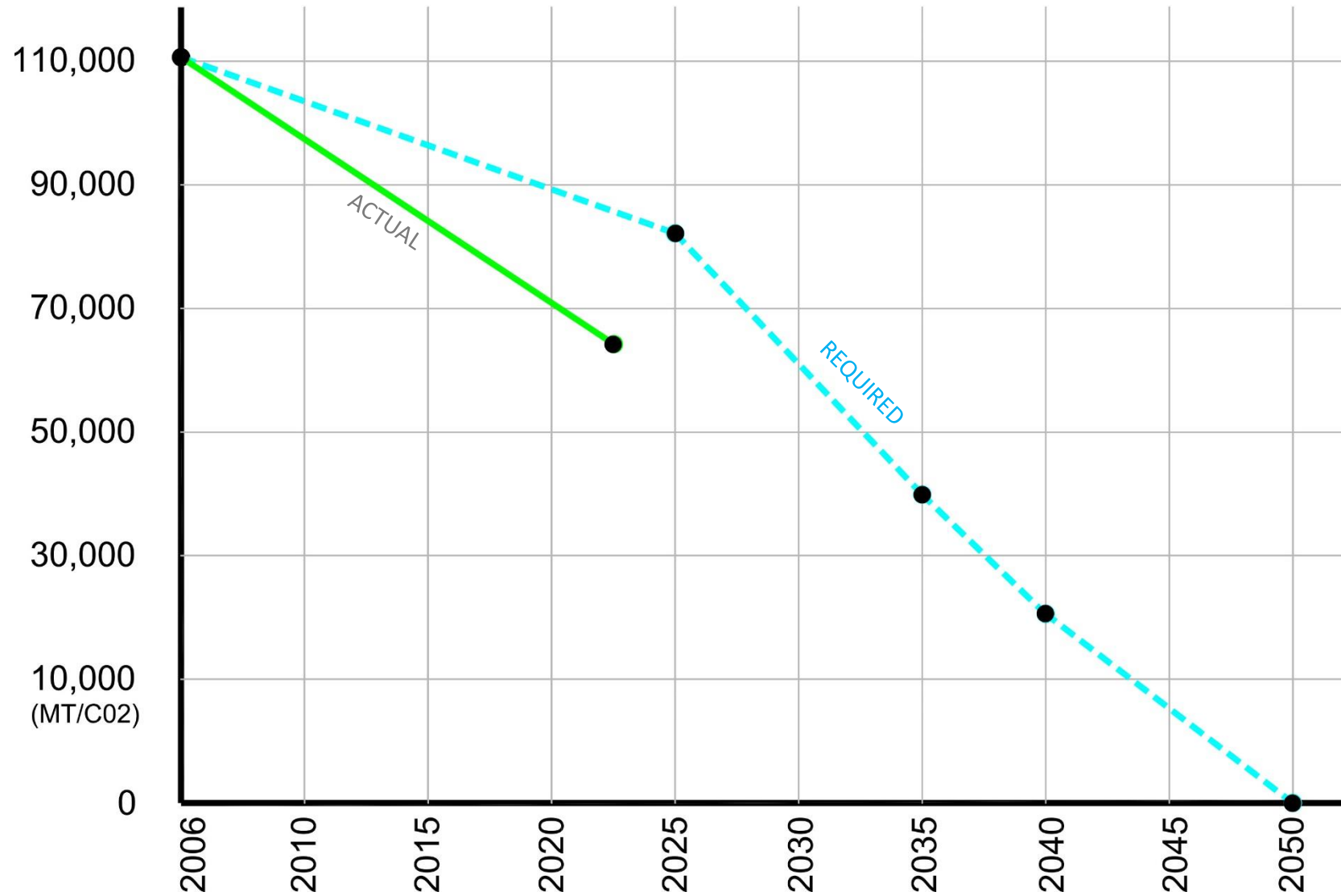
**Scope 3: What We Don't Control (Directly)** – The "3 E's" of Education for Sustainability

- Commuting
- Business Travel
- Purchasing/supply chain
- Waste generation
- Water Use



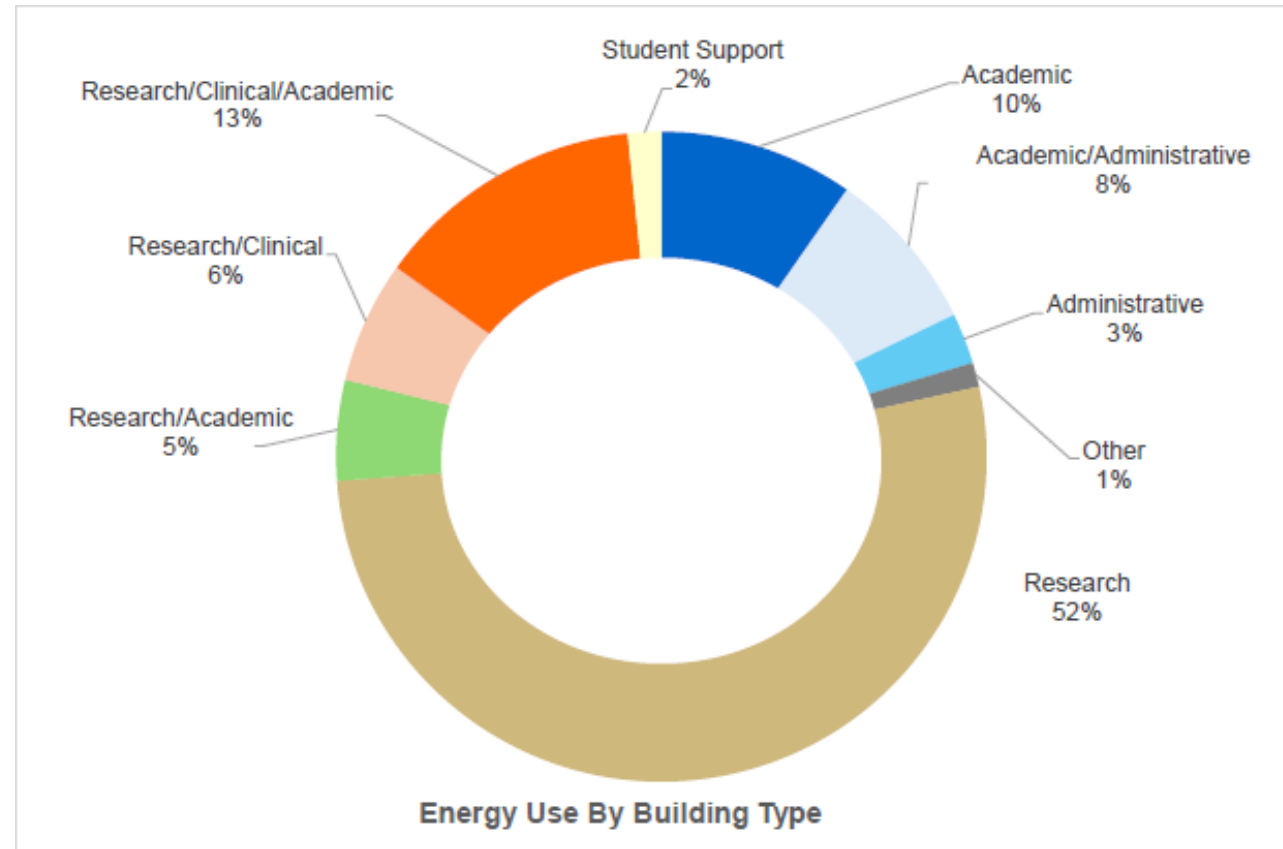
Colorado has requirements for addressing Scopes 1 & 2

# GHG Inventory & Accounting





# Energy Use by Building Type



**Labs are one of the most resource intensive spaces on campus - energy, water, chemicals, materials**

# Lessons Learned

## Research Complex 1

- First Research Tower on Campus – Built before State Standards for High Performance Buildings
- Value-Engineered During Construction
- Energy Hog – Energy Use Intensity is 352 (2023)
- Started Energy Conservation Measures (ECMs) in 2011
- Spent over \$11 Million – still doing work today to complete the full list of ECMs
- Lesson Learned – Build Better First
- Need for Long-term Planning – Physical & Financial





# Recent Colorado Legislation

**HB19-1261** (Climate Action Plan to Reduce Pollution – Established Clean Energy Plan requirements)

**HB19-1260** (Building Energy Codes)

**HB21-1286** (Energy Performance for Buildings)

**SB21-264** Reduce Natural Gas Utility Emissions (Clean Heat Plan)

**HB22-1362** (Energy-Efficient Building Codes)

**SB22-051** (Heat Pumps and Building materials)

**HB22-1218** (EV-ready Building Codes)

**SB23-016** (Greenhouse Gas Emission Reduction)



## **SB 23-016** (2023)

### **Greenhouse Gas Emission Reduction**

*Concerning measures to promote reductions in greenhouse gas emissions in Colorado, and, in connection therewith, making an appropriation.*

Greenhouse gas (GHG) is measured in metric tons of carbon dioxide equivalent or MTCO<sub>2</sub>. This unit represents an amount of a GHG whose atmospheric impact has been standardized to that of one unit mass of carbon dioxide based on the global warming potential of the gas.



## GHG EMISSIONS REDUCTION REQUIREMENTS

<b>2006 Baseline:</b>	<b>112,039 MT/CO<sub>2</sub></b>
-----------------------	----------------------------------

<b>2023 Actual:</b>	<b>64,687 MT/CO<sub>2</sub></b>
---------------------	---------------------------------

<b>2025 Goal (26% reduction):</b>	<b>82,909 MT/CO<sub>2</sub></b>
-----------------------------------	---------------------------------

<b>2030 Goal (50% reduction):</b>	<b>56,020 MT/CO<sub>2</sub></b>
-----------------------------------	---------------------------------

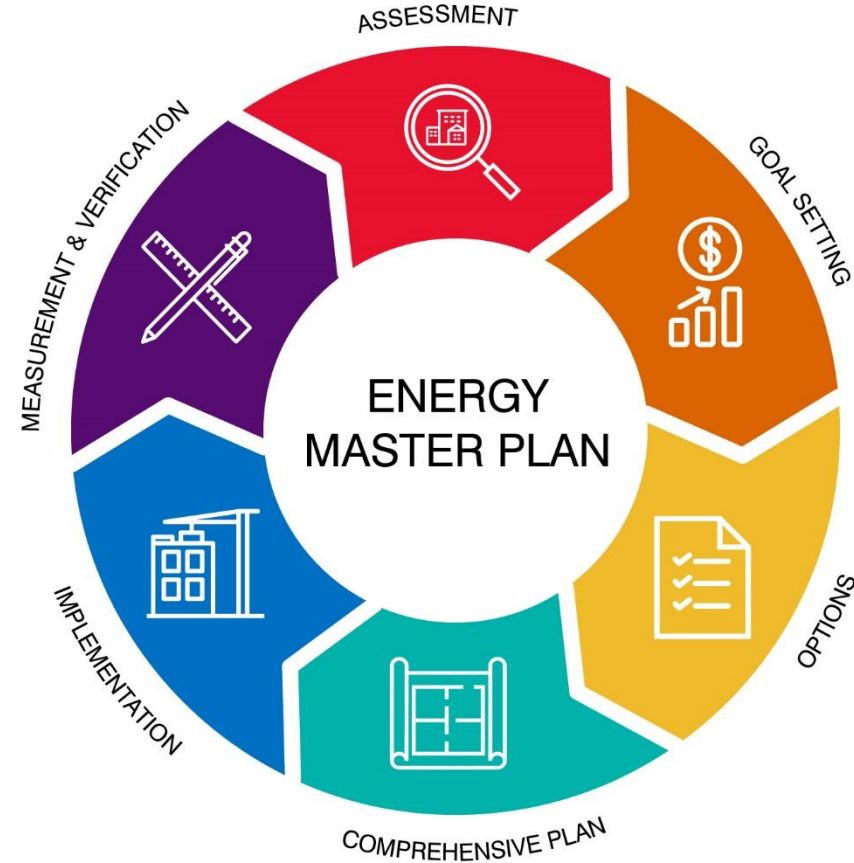
<b>2035 Goal (65% reduction):</b>	<b>39,214 MT/CO<sub>2</sub></b>
-----------------------------------	---------------------------------

<b>2040 Goal (75% reduction):</b>	<b>28,010 MT/CO<sub>2</sub></b>
-----------------------------------	---------------------------------

<b>2045 Goal (90% reduction):</b>	<b>11,204 MT/CO<sub>2</sub></b>
-----------------------------------	---------------------------------

<b>2050 Goal (100% reduction):</b>	<b>0 MT/CO<sub>2</sub></b>
------------------------------------	----------------------------

**The University of Colorado | Anschutz Medical Campus ENERGY MASTER PLAN, when fully implemented, will provide the university with a financially sustainable energy program; providing specific guidance in achieving State legislated energy goals, reducing GHG emissions, EUI and potable water usage, while opening a path to full energy sustainability over time through the greening of the campus electricity supply.**



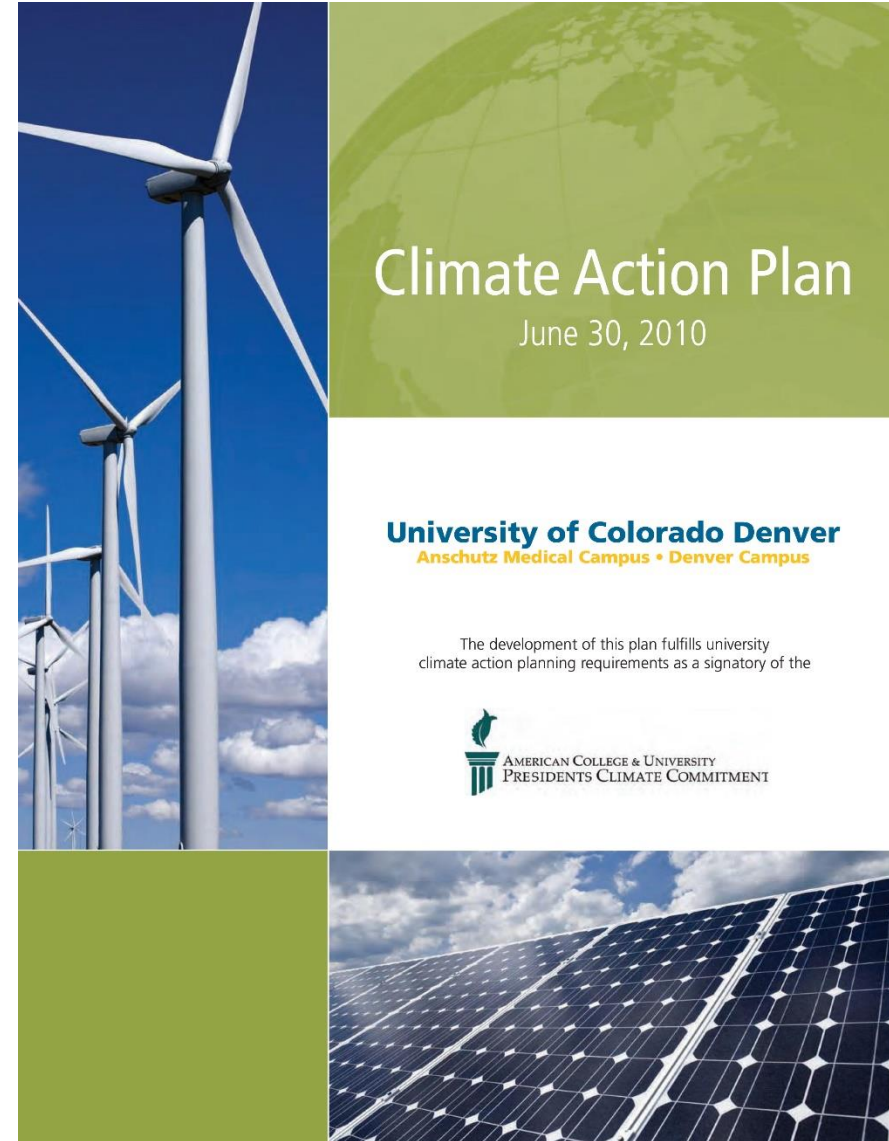


# Climate Action Plan Update

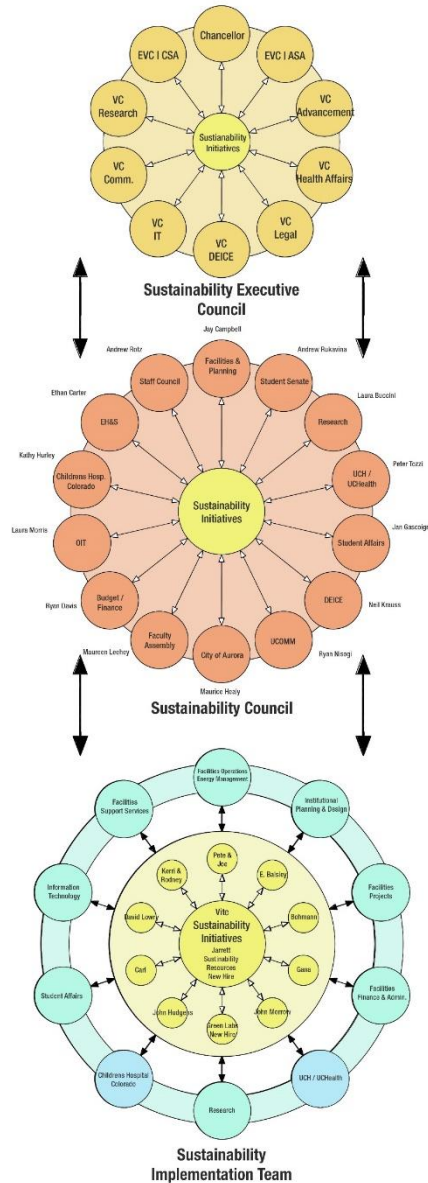
## **CLIMATE ACTION PLAN:**

**a strategic framework for measuring, planning, and reducing greenhouse gas (GHG) emissions and related climatic impacts. (i.e. energy and water consumption, waste diversion, transportation, etc.)**

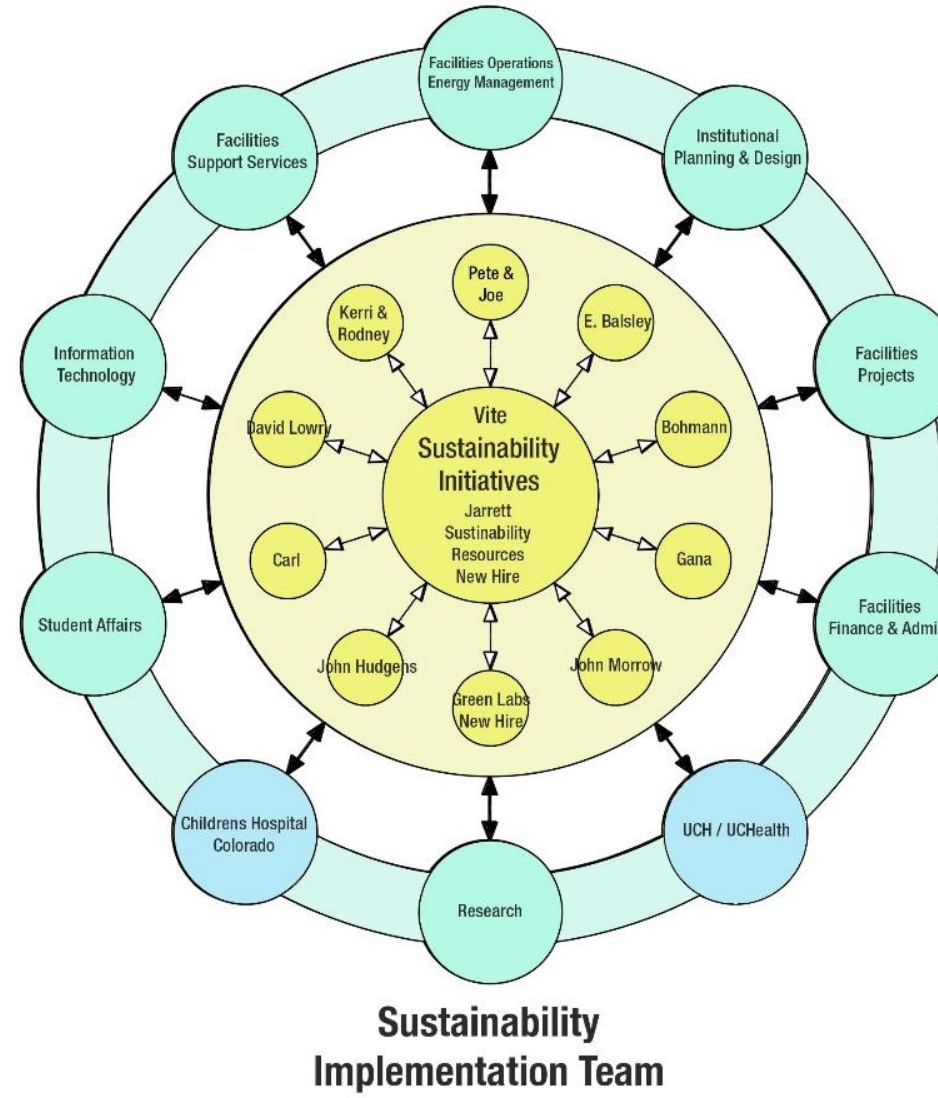
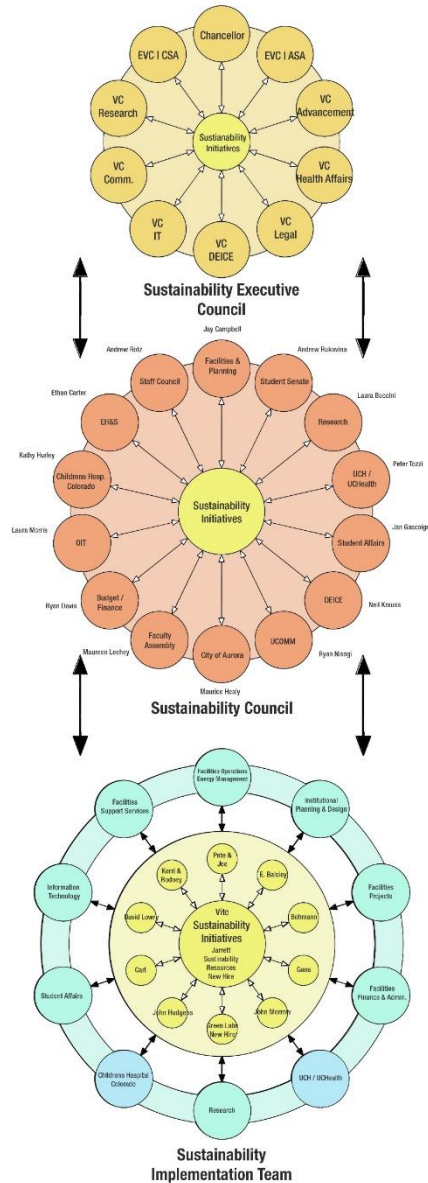
**Climate action plans, at a minimum, include an inventory of existing emissions, reduction goals or targets, and analyzed and prioritized reduction actions. Ideally, a climate action plan also includes an implementation strategy that identifies required resources and funding mechanisms.**



# SUSTAINABILITY COUNCIL STRUCTURE

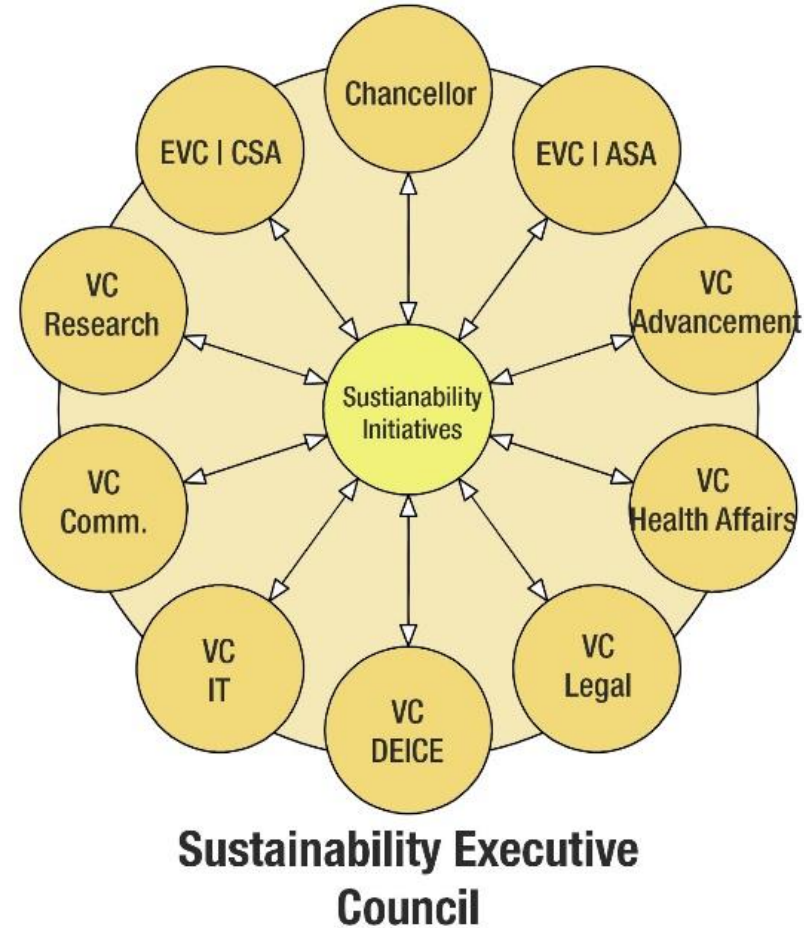
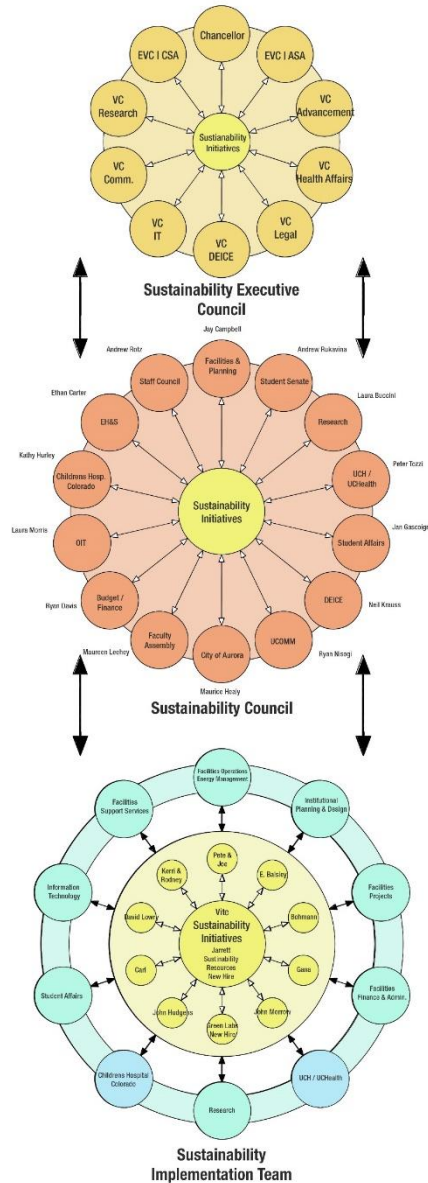


# SUSTAINABILITY COUNCIL STRUCTURE

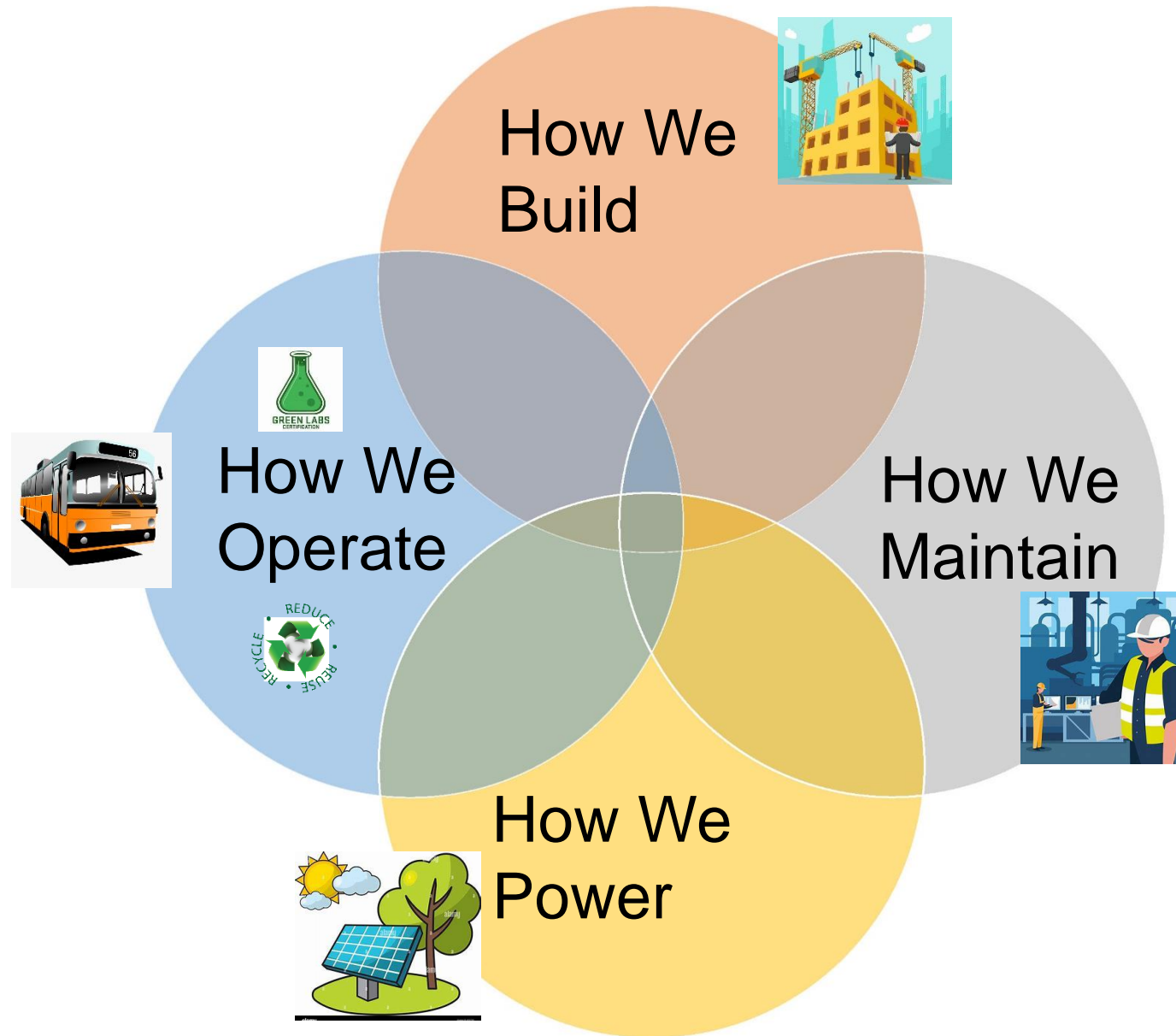




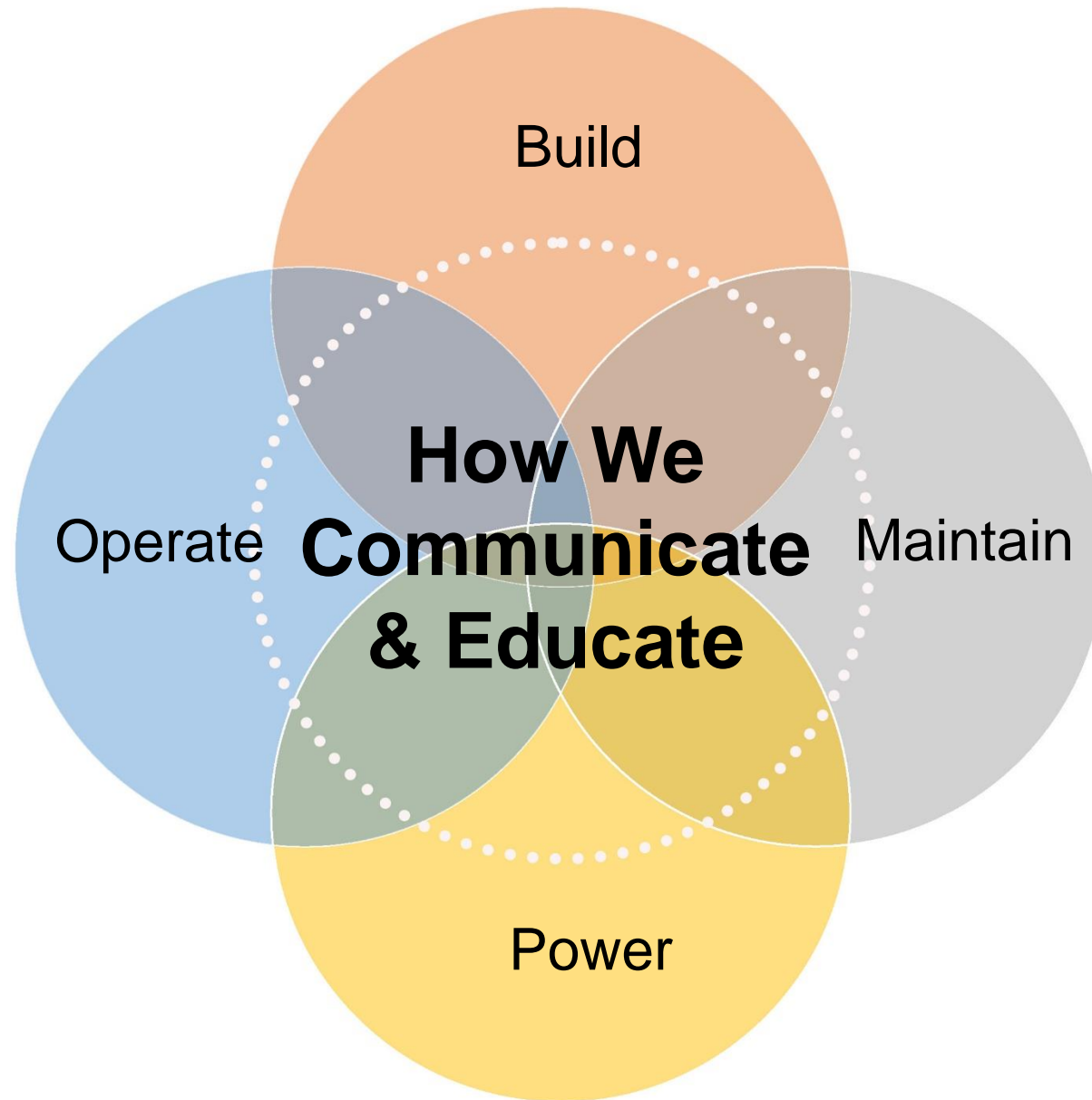
# SUSTAINABILITY COUNCIL STRUCTURE



# Sustainability Council

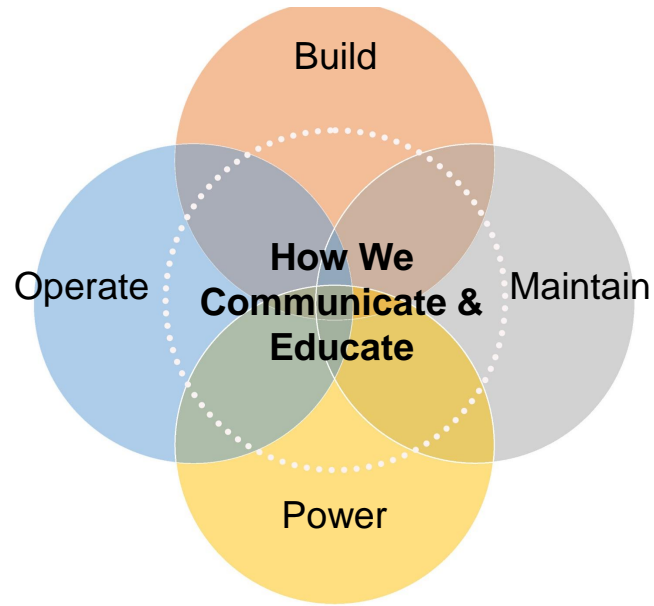


# Sustainability Council

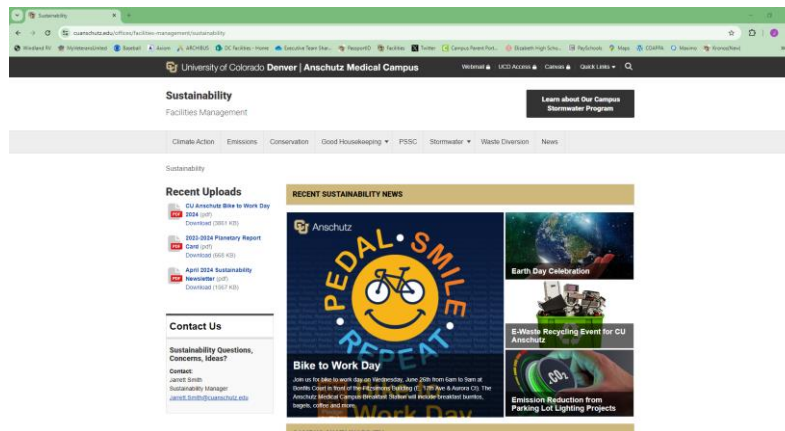




# Sustainability Information



Your #1 source for all  
things Sustainability  
@ CU Anschutz



<https://www.cuanschutz.edu/offices/facilities-management/sustainability>

-or-

Search for **CU Anschutz Sustainability**  
in your favorite web browser



# Campus Initiatives

## “Stuff”

- Unlimited flow of materials coming onto campus, especially into research labs
- Renewed focus on upstream materials flow (CU Procurement), use and storage on campus and downstream flow once it leaves campus (waste diversion)
- Expanded recycling and compost efforts throughout campus
- I2SL Award for Space Utilization – SOM, Fac Man, EH&S
- 2 new FTE to address these issues through new programs





# Campus Initiatives

## Sampling of current campus initiatives.....

- EV Chargers – currently have 60 on campus, additional 8 Level 2 EV Chargers going into Aspen and Monte Vista Lots (\$40k grant from Charge Ahead Colorado)
- Expanded Composting and Waste Diversion Efforts
- Green Labs Program Creation
- Public Electrification Grant in Building 534 (\$95k grant from CEO)
- Glove Recycling Program in 30+ labs...*AND GROWING!*
- Quarterly Newsletters

<https://www.cuanschutz.edu/offices/facilities-management/sustainability>





# Campus Initiatives

## Green Labs Program Coordinator

**Duties:**

**30%: Perform day-to-day operation of the Green Labs program**

**30%: Research, Planning, and Reporting**

**25%: Outreach to labs, lab departments, and other institutions**

**15%: Events, presentations, and communication**

## Sustainability Resources and Waste Diversion Coordinator

**Duties:**

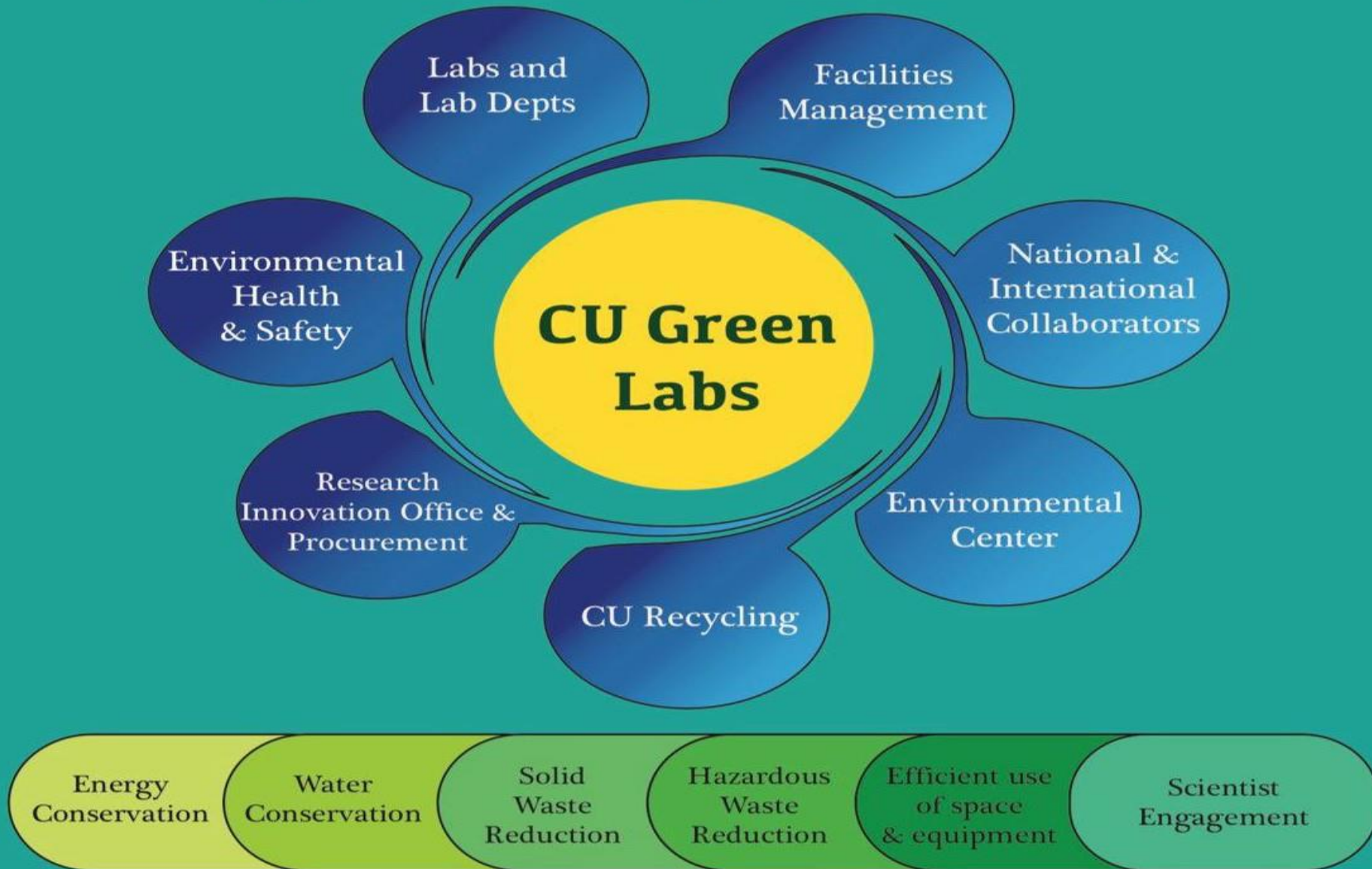
**40% Grants Coordination**

**50% Waste Diversion Efforts**

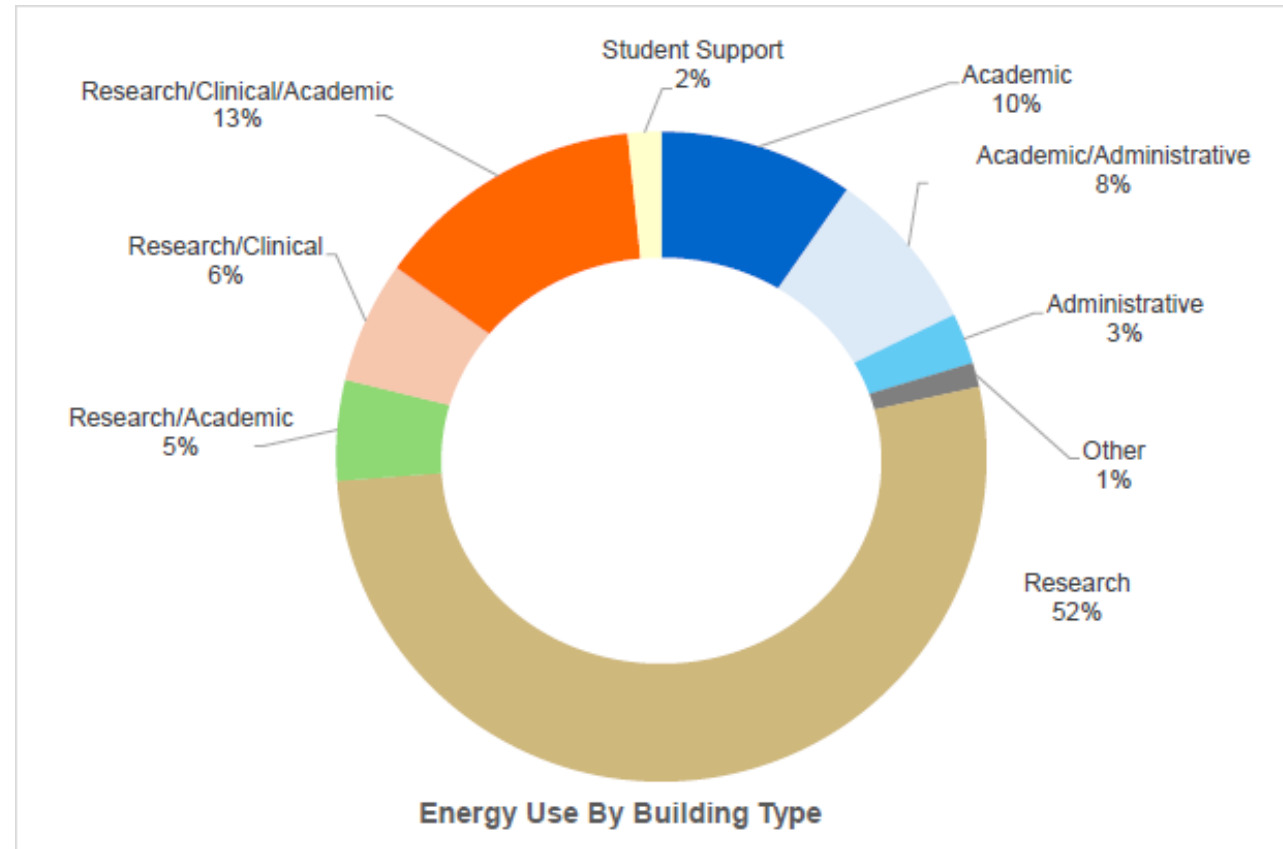
**10% Education and Outreach**



# Green Labs Program



# Green Labs Program



**Labs are one of the most resource intensive spaces on campus - energy, water, chemicals, materials**

**Most Expensive Places to Build and Support**



# MOVING THE NEEDLE– Campus Safety Building

In January 2023, the CU Anschutz Medical Campus opened the first Net Zero Energy facility in the entire CU system



University of Colorado  
Anschutz Medical Campus



# CU Anschutz Medical Campus



University of Colorado  
Anschutz Medical Campus

# Background Check Working with Minors

Neil Krauss, Assistant Vice Chancellor  
Office of Diversity, Equity, Inclusion & Community Engagement



---

# Thank You for Joining Us

## Next HR Community Meeting

October 1, 2024

10:00 to 11:30 am