

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



University of Colorado
Anschutz Medical Campus

Facilities Management & Planning
August 6, 2024

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.



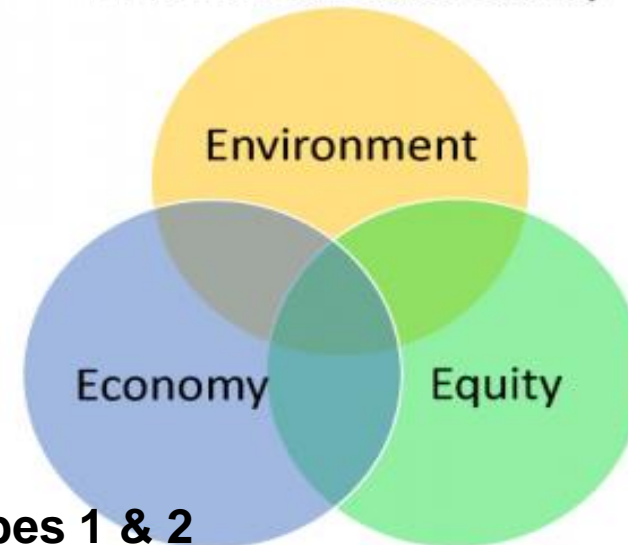
Greenhouse Gas Emissions Scopes

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

Scope 2: What We Buy – Electricity from Xcel

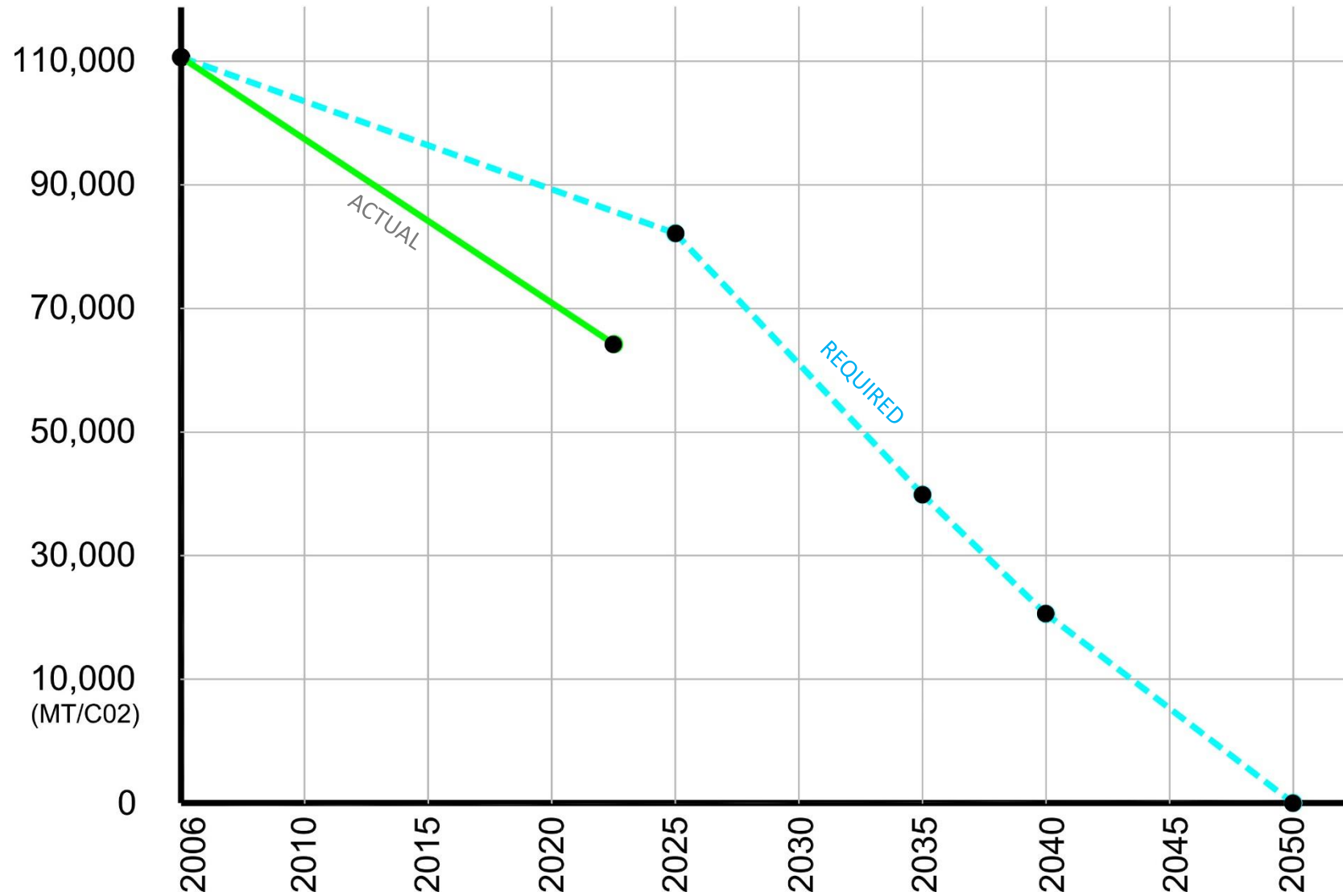
Scope 3: What We Don't Control (Directly) – The "3 E's" of Education for Sustainability

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

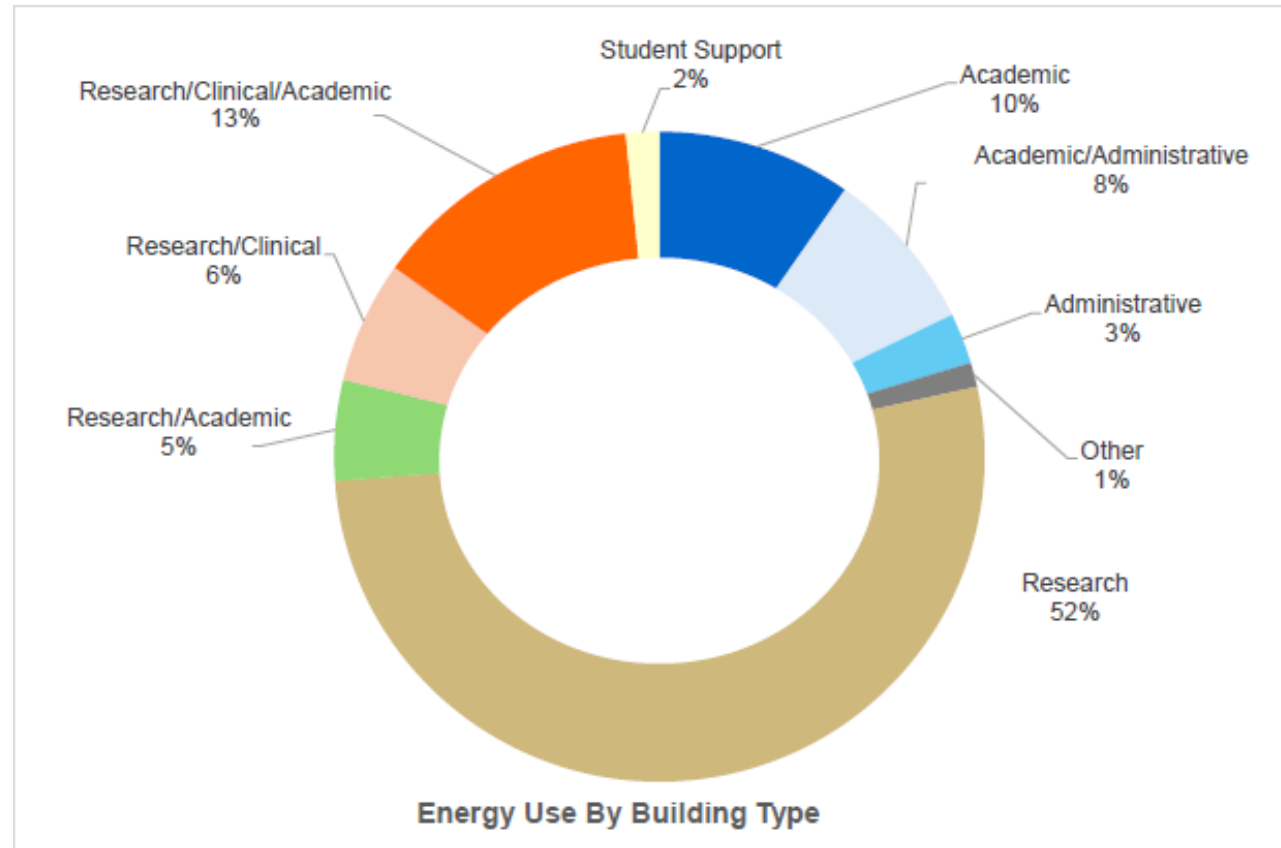


Colorado has requirements for addressing Scopes 1 & 2

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 MTCO₂. 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

2006 Baseline: 112,039 MT/CO₂

2023 Actual: 64,687 MT/CO₂

2025 Goal (26% reduction): 82,909 MT/CO₂

2030 Goal (50% reduction): 56,020 MT/CO₂

2035 Goal (65% reduction): 39,214 MT/CO₂

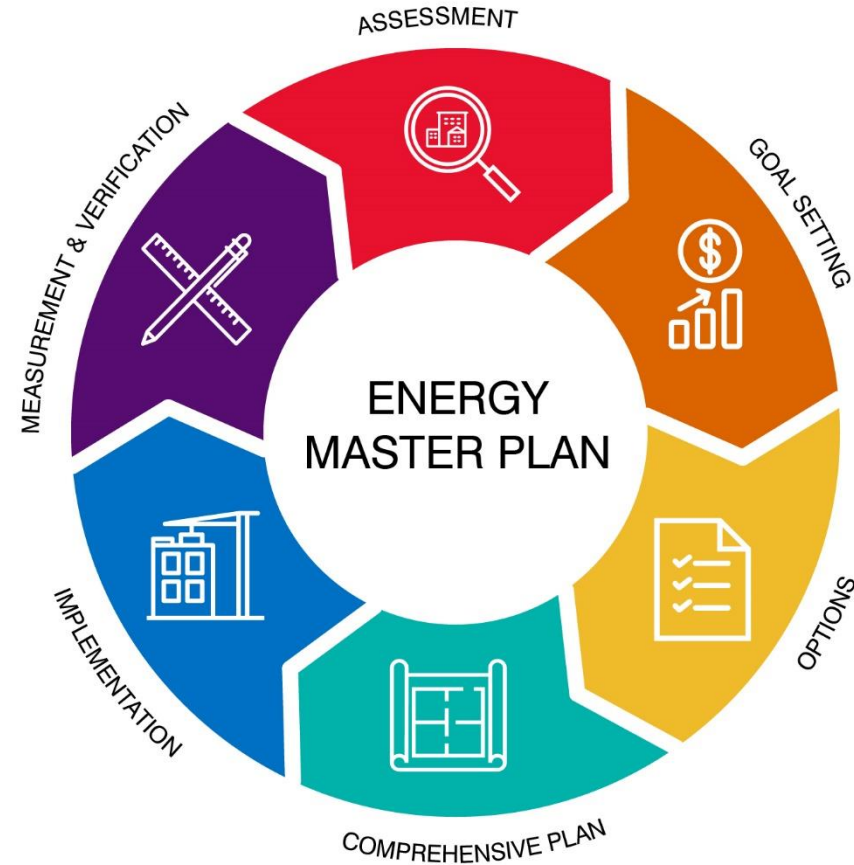
2040 Goal (75% reduction): 28,010 MT/CO₂

2045 Goal (90% reduction): 11,204 MT/CO₂

2050 Goal (100% reduction): 0 MT/CO₂

CU ANSCHUTZ – Energy Master Plan (EMP)

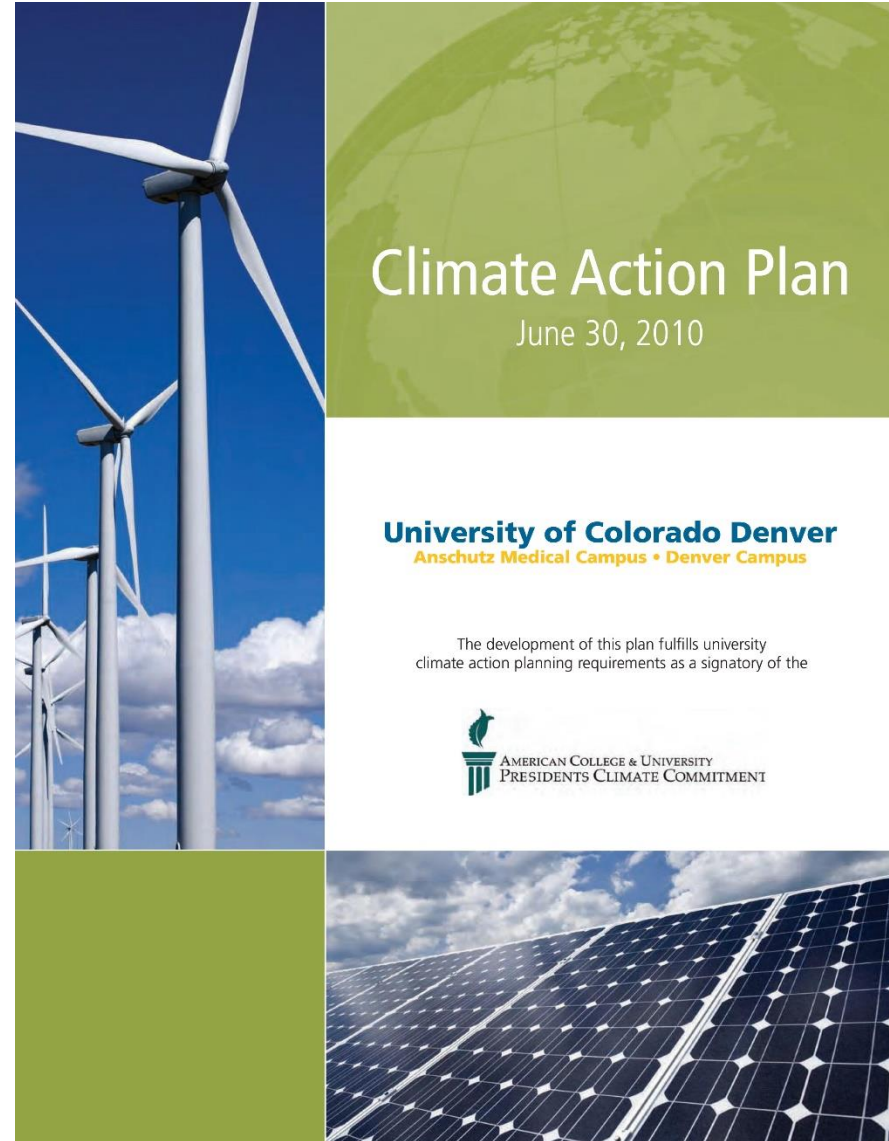
The University of Colorado | Anschutz Medical Campus ENERGY MASTER PLAN, when fully implemented, will provide the university with a financially sustainable energy program; providing specific guidance in achieving State legislated energy goals, reducing GHG emissions, EUI and potable water usage, while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



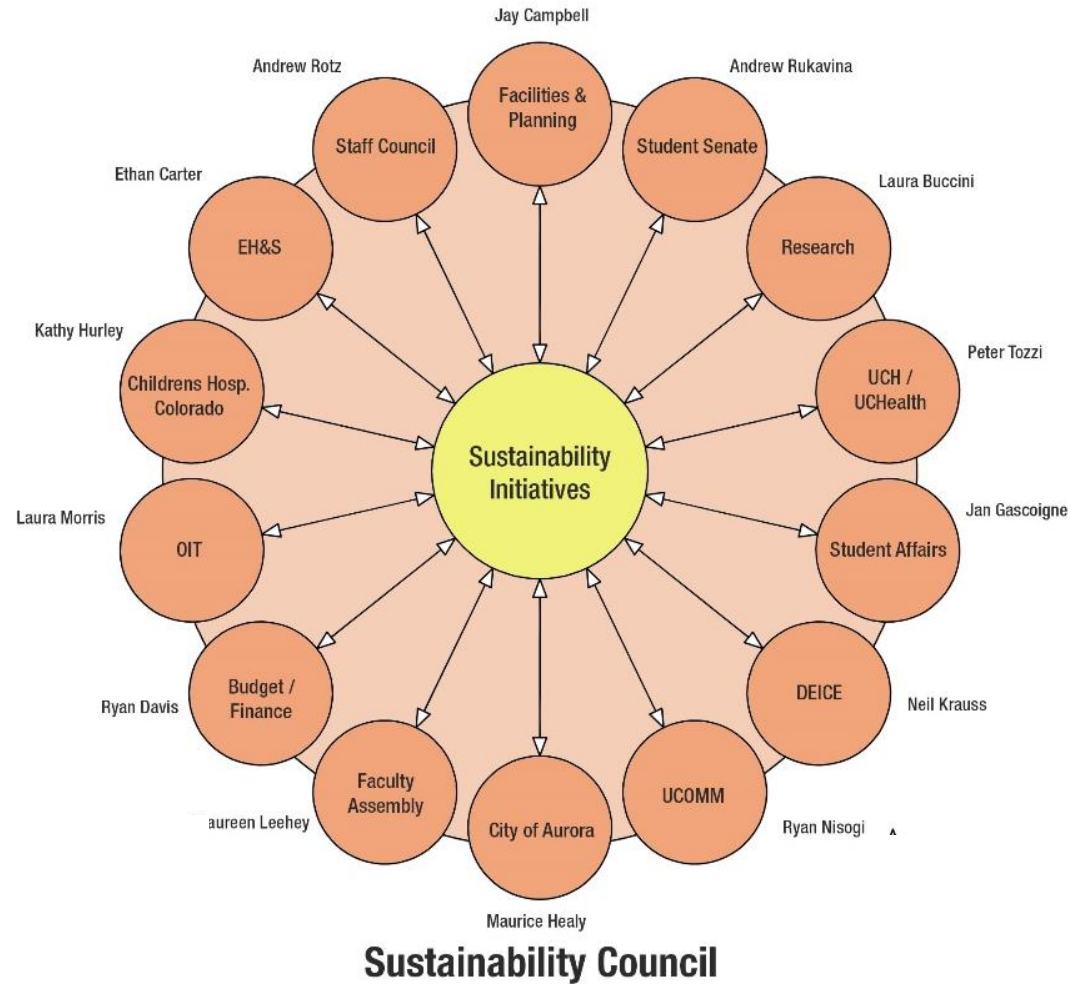
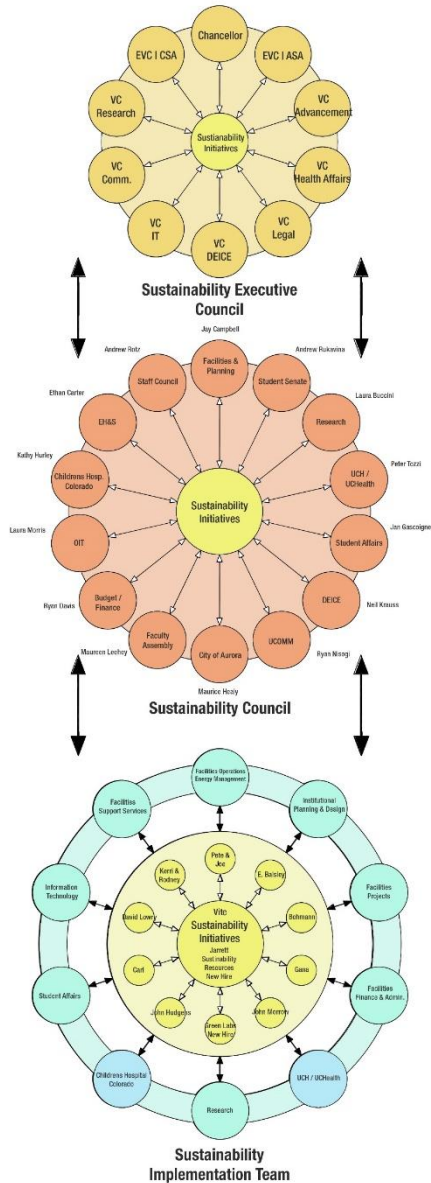
Climate Action Plan Update

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.)

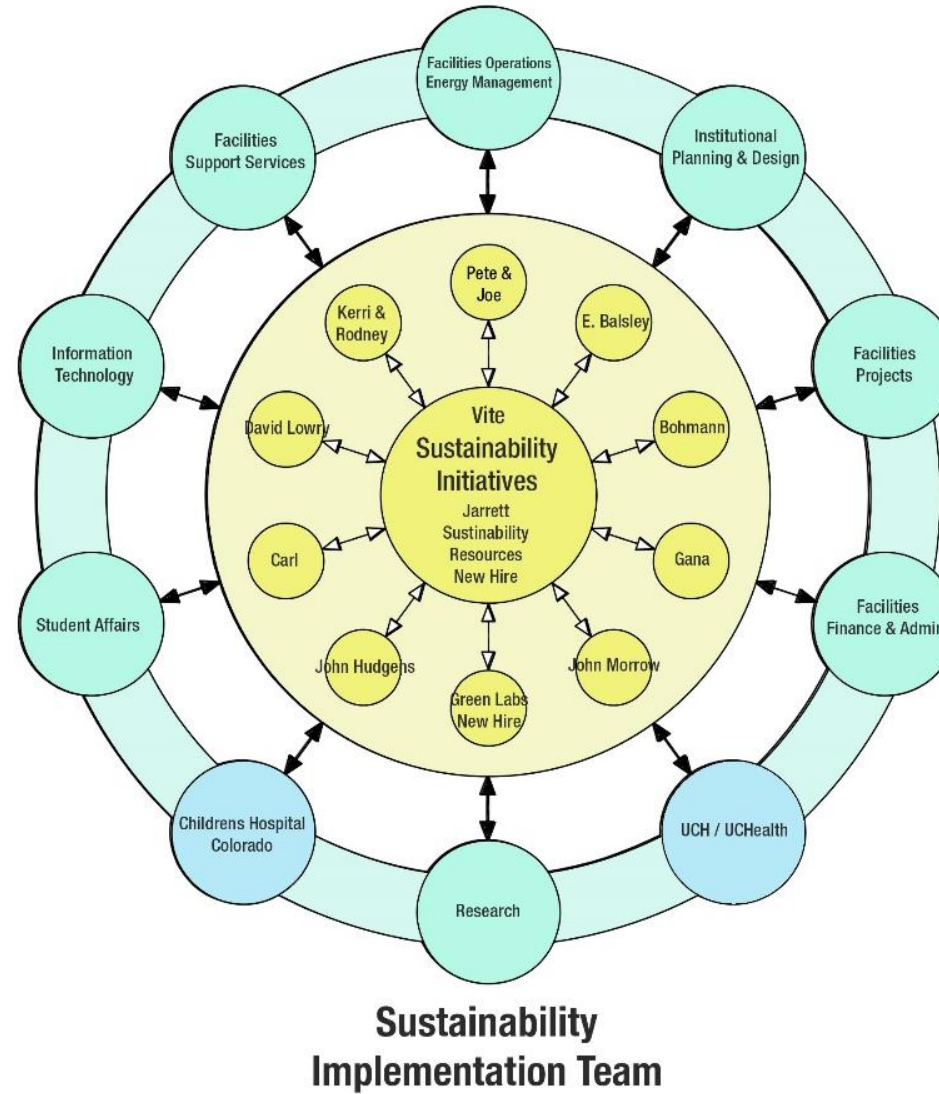
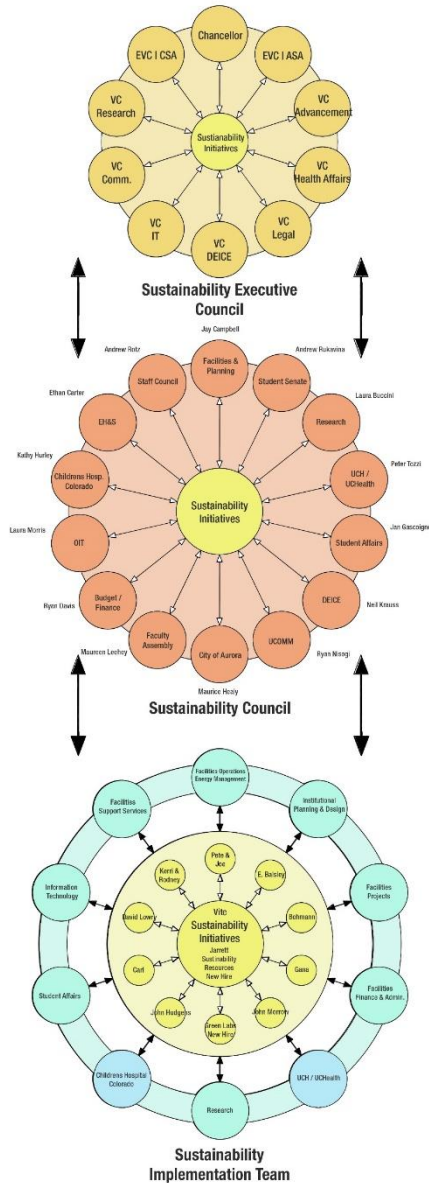
Climate action plans, at a minimum, include an inventory of existing emissions, reduction goals or targets, and analyzed and prioritized reduction actions. Ideally, a climate action plan also includes an implementation strategy that identifies required resources and funding mechanisms.



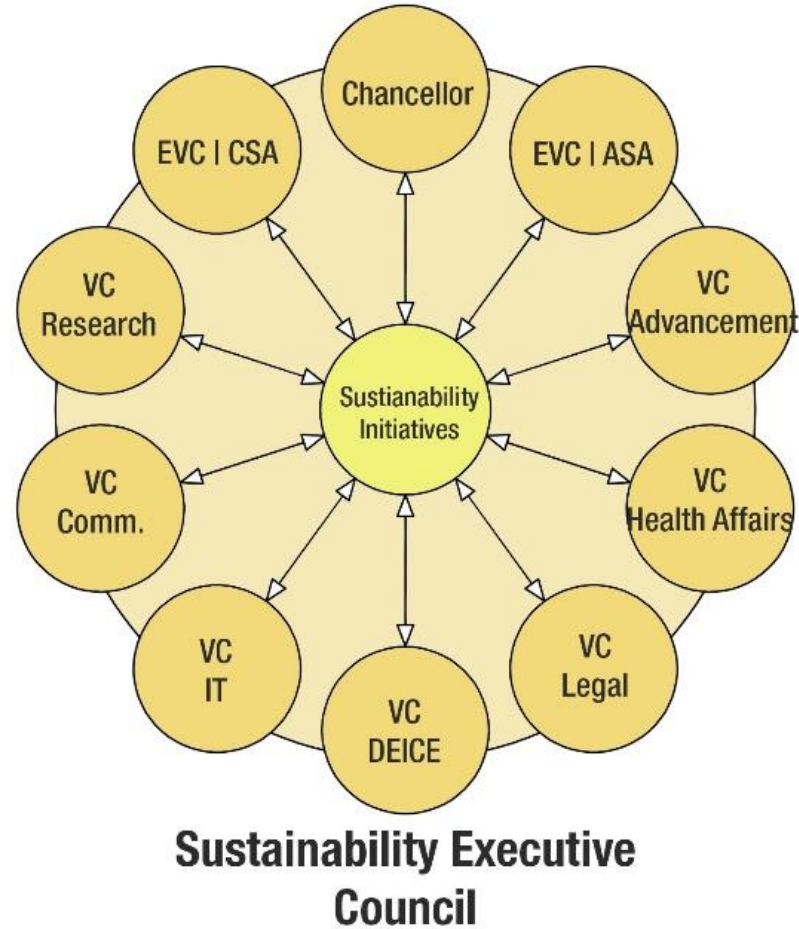
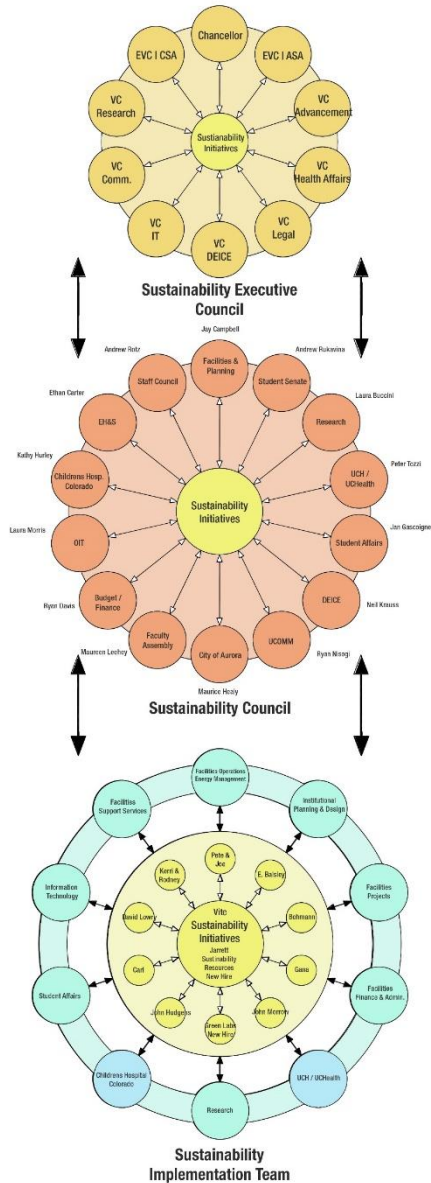
SUSTAINABILITY COUNCIL STRUCTURE



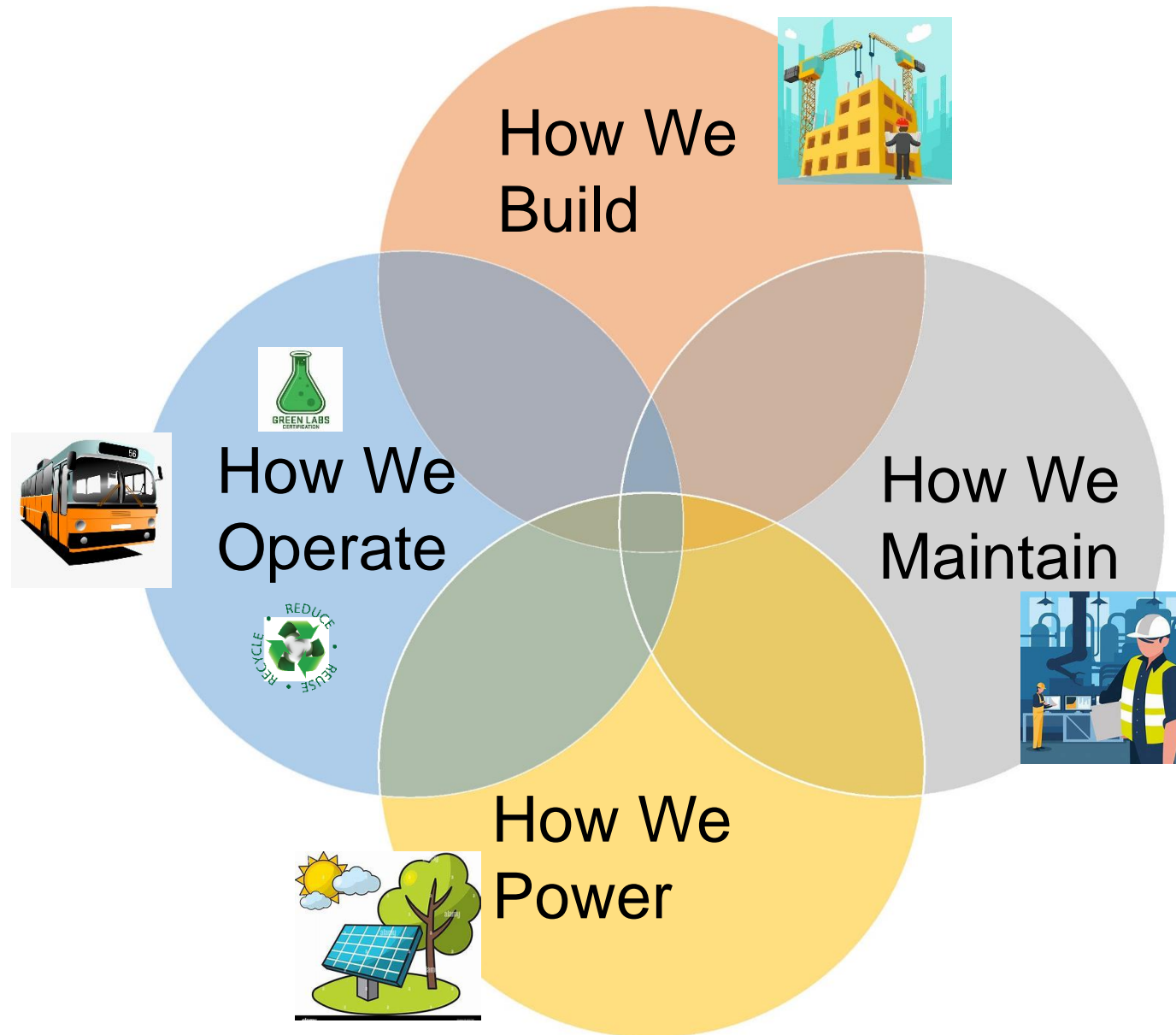
SUSTAINABILITY COUNCIL STRUCTURE



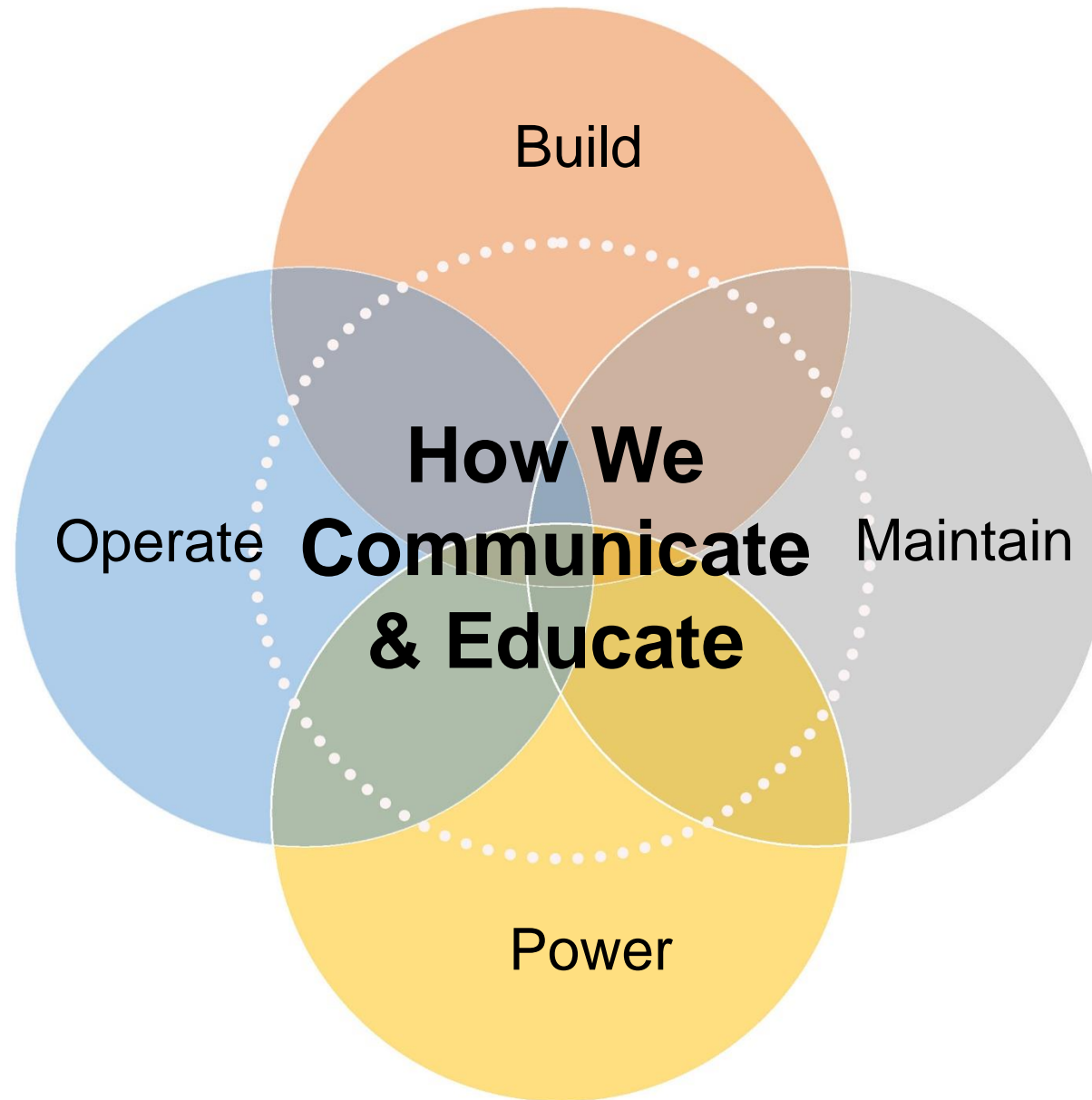
SUSTAINABILITY COUNCIL STRUCTURE



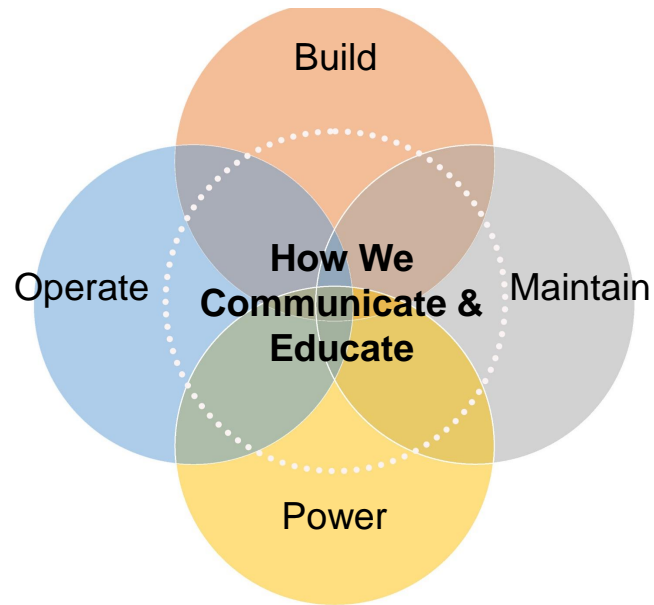
Sustainability Council



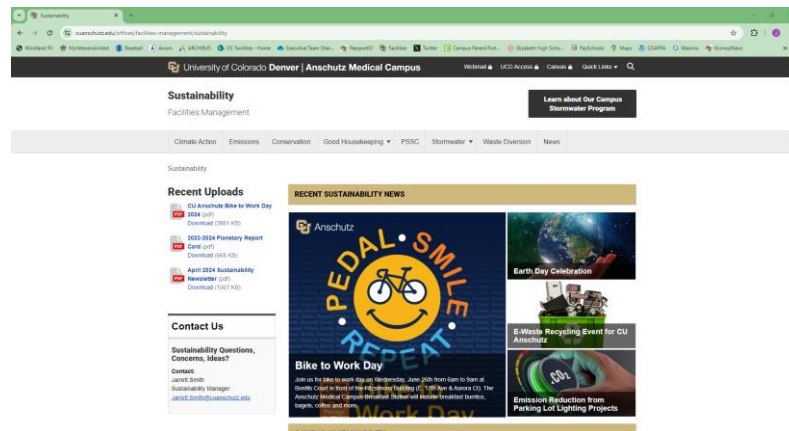
Sustainability Council



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:

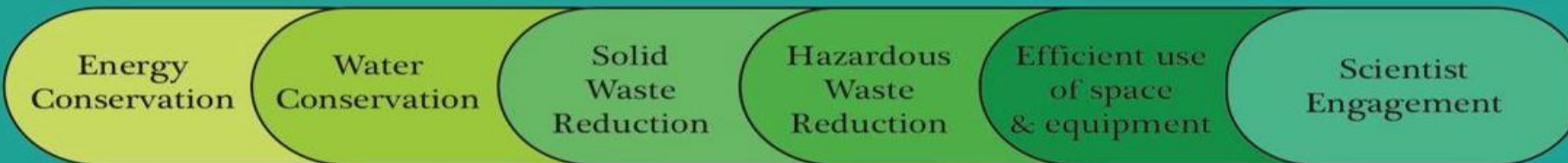
40% Grants Coordination

50% Waste Diversion Efforts

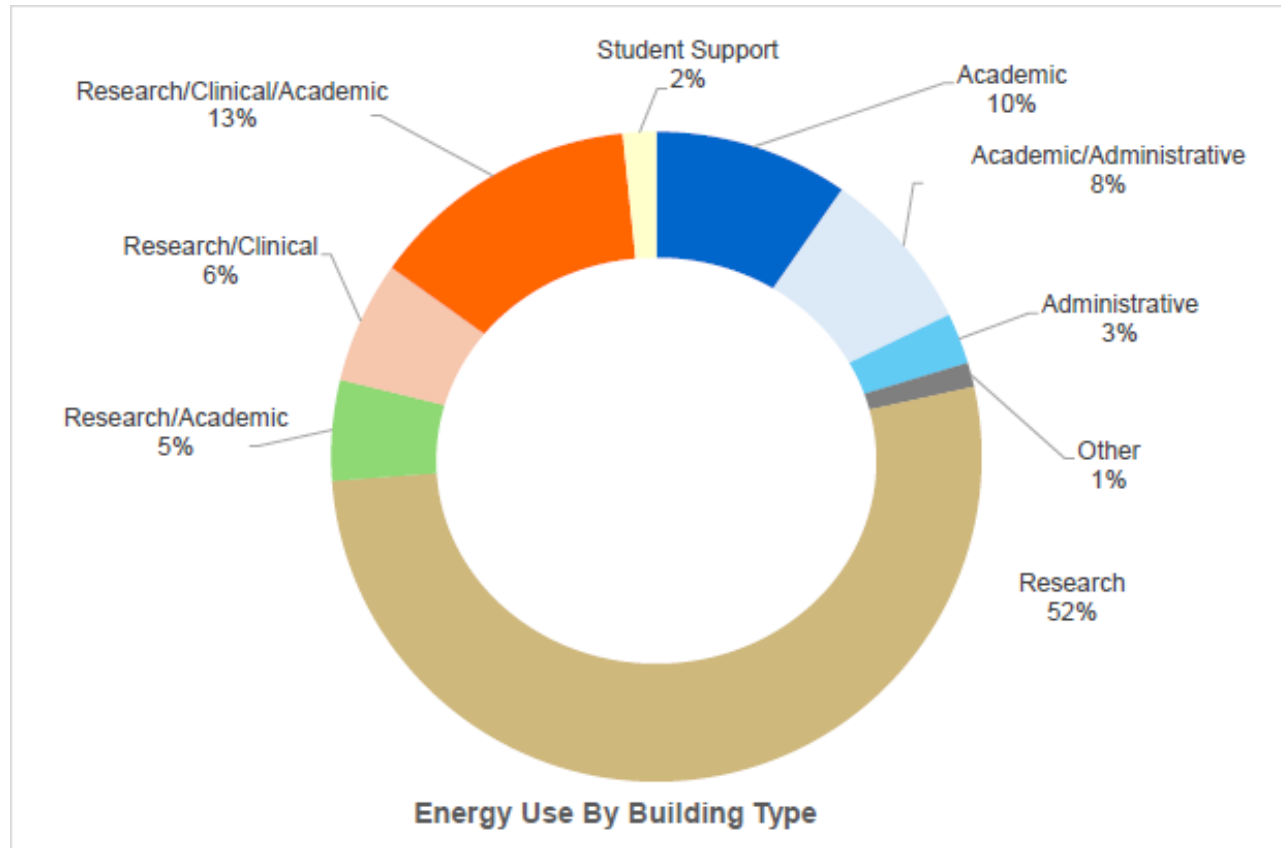
10% Education and Outreach



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



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