

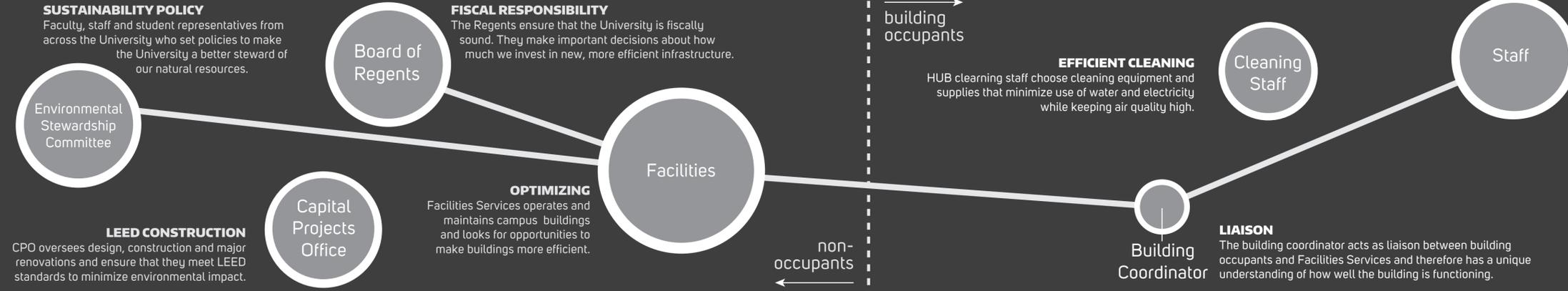
SUSTAINING THE HUB

Understanding how the HUB consumes to help envision a path toward long-term sustainability

"The union is a student-centered organization that values participatory decision-making. Through volunteerism, its boards, committees, and student employment, the union offers first-hand experience in citizenship and educates students in leadership, social responsibility, and values. In all its processes, the union encourages self-directed activity, giving maximum opportunity for self-realization and for growth in individual social competency and group effectiveness." - *The role of the College Union, 1996*

It is appropriate that a building that educates students in leadership, social responsibility and values be a building that exhibits leadership in responsible stewardship of the environment.

WHO PLAYS A ROLE IN MAKING THE HUB EFFICIENT?



DEFINING HOW THE HUB IS USED
In addition to individual choices about whether to take the stairs or turn off the lights, staff have a substantial role to play in how and when the building is used and whether the equipment purchased for use in the building is efficient. Strategic decisions in this regard have substantial impacts.

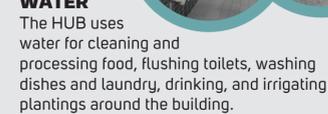
funded through a Green Up partnership between Seattle City Light & UW Sustainability

HOW DOES THE HUB CONSUME?

ELECTRICITY
The HUB uses electricity for lights, elevators, office equipment such as computers and copy machines, and kitchen equipment such as refrigerators and microwaves.



WATER
The HUB uses water for cleaning and processing food, flushing toilets, washing dishes and laundry, drinking, and irrigating plantings around the building.



WASTEWATER
All water uses, with the exception of irrigation generate wastewater.

DESIGNED TO MINIMIZE CONSUMPTION

INVITING STAIRCASE
The prominent, visually appealing staircase reduces electricity consumption by inviting occupants to choose them over the elevator.

EXTERIOR BLINDS
The two large meeting rooms on the third floor have blinds on the outside of the building that stop excess heat from entering the building through those rooms.

NATURAL LIGHTING AND VENTILATION
The large open areas in the center of the HUB minimize the demand for electricity by bringing light from skylights to lower floors and allowing air to flow through the building without fans.

INSULATED WINDOWS & WALL
Windows are double-paned to retain warmth. Walls are insulated to prevent excessive heat gain from the brick exteriors.

GREEN ROOF
A portion of the roof is covered with plants which help to insulate and control rainwater runoff.

CONTROLLED RAIN RUNOFF
The gardens along Stevens Way create a bioswale. They catch rain runoff from the roof and help it seep into the ground rather than flow onto the pavement where it would carry pollution to Lake Washington.

LIGHTING CONTROLS
Many rooms have occupancy sensors which turn off lights when no one is present. In addition, all non-emergency lights are turned off after custodial staff leave the building at night.

EFFICIENT DISHWASHING
For sanitation, dishwashers use very hot (and therefore very energy-intensive) water. Rather than simply flush this hot water away it is recirculated.

LOWFLOW FIXTURES
Efficient toilets, urinals and faucets do their job without wasting water

