

DRAFT UO Greenhouse Gas Emissions Chart: Boundaries and Responsibilities

Scope I: Direct Emissions	
Definition	Scope I emissions come from sources that are owned or controlled by the university, such as combustion facilities (i.e. boilers, furnaces, burners, turbines, heaters, incinerators, engines, flares, etc), combustion of fuels in transportation (i.e. cars, buses, etc), and physical or chemical processes.
Sources	UO Central Power Station, vehicles owned by UO, and release of refrigerants
Goals	Using 1990 emissions as the baseline UO will stabilize emissions by 2010, reduce emissions by 10% by 2020, and neutralize emissions by 2050.
Actions	UO will take action to reduce these emissions as much as possible through switching to less carbon intensive fuel sources, efficiency upgrades, and demand-side conservation practices. Remaining Scope I emissions will be neutralized by purchase of carbon offsets.
Boundaries	All University of Oregon owned and operated or leased buildings and their associated fleet vehicles listed on the University's Space Inventory which is maintained by Campus Planning and Real Estate. Leased properties less than 10,000 square feet – which combined represent less than 1% of total UO owned or leased property - shall be omitted.
Monitoring & Reporting	Measure Scope I carbon emissions annually. The Director of Sustainability may use his/her discretion to estimate emissions from buildings where obtaining actual utility data would be onerous such as off-campus student housing. Estimation methods and the buildings that rely on estimates shall be clearly documented. Emissions will be reported in absolute terms, per building square foot, and per full time registered student.
Scope II: Indirect Emissions	
Definition	Scope II emissions come from the generation of electricity by another party that is purchased and consumed by the university.
Sources	Purchased electricity, steam, and/or chilled water from Eugene Water and Electric Board (EWEB) and other utilities serving operations in Charleston, Bend, and Portland.
Goals	Using 1990 emissions as the baseline UO will stabilize emissions by 2010, reduce emissions by 10% by 2020, and neutralize emissions by 2050.
Actions	UO will take action to reduce these emissions as much as possible through efficiency upgrades and demand-side conservation practices. Remaining Scope II emissions will be neutralized by purchase of renewable energy credits and/or carbon offsets.
Boundaries	All University of Oregon owned and operated or leased buildings and their associated fleet vehicles listed on the University's Space Inventory which is maintained by Campus Planning and Real Estate. Leased properties less than 10,000 square feet – which combined represent less than 1% of total UO owned or leased property - shall be omitted.
Monitoring & Reporting	Measure Scope II carbon emissions annually. The Director of Sustainability may use his/her discretion to estimate emissions from buildings where obtaining actual utility data would be onerous such as off-campus student housing. Estimation methods and the buildings that rely on estimates shall be clearly documented. Emissions will be reported in absolute terms, per building square foot, and per full time registered student.

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Scope IIIa: Direct Transportation Activities	
Definition	Emissions resulting from travel conducted on behalf of and/or sanctioned by the University of Oregon.
Sources	Auto travel for university business, faculty and staff air travel, athletic staff and student travel, student travel to and from UO sanctioned study abroad programs.
Goals	Reduce business travel where appropriate. Encourage transportation modes that emit fewer emissions. Develop carbon offset programs for travel emissions.
Actions	Work with Department of Administrative Services to develop appropriate data collection program and increase mpg requirements for motor pool vehicles. Remaining emissions will be neutralized by purchasing carbon offsets.
Boundaries	All UO faculty and staff air travel, athletic staff and student travel, student travel to and from UO sanctioned study abroad programs.
Monitoring & Reporting	Estimate (or measure when possible) emissions annually. Report in absolute terms and per user.
Scope IIIb: Indirect Transportation Activities	
Definition	Emissions resulting from travel to and from campus by current users that are not paid for by the University of Oregon.
Sources	Daily commute travel.
Goals	Provide and expand transportation alternatives for all faculty, staff, and students. Encourage faculty, staff, and students to take personal responsibility for reducing their commute emissions. Increase on-campus housing stock.
Actions	UO will continue to provide and support safe low-carbon alternatives to automobile commuting.
Boundaries	All current Eugene based employees and registered students attending classes at Eugene main campus.
Monitoring & Reporting	Conduct survey to estimate commute emissions every five years. Develop method to estimate annual emissions for each of the following four years based on survey data. Report total estimated emissions annually.
Scope IIIc: Goods and Services	
Definition	Emissions resulting during any stage of the life cycle (manufacturing, processing, distribution, decay) of materials purchased for use by the University of Oregon.
Sources	Embodied energy and greenhouse gas emissions in purchases (food, paper, computers, construction materials, etc).
Goals	UO will consider embodied energy in all of its purchases and reduce these related emissions through smarter purchasing decisions.
Actions	UO will continue to support and enhance the campus recycling program (Reduce, Reuse, and Recycle) and purchase wisely.
Boundaries	UO will not be responsible to mitigate or offset remaining emissions associated with its goods and services as these are Scope I and II emissions from the businesses that manufactured and/or provided these goods and/or services.
Reporting	To be developed as tools and procedures become available.