

University of Virginia Greenhouse Gas Emissions at a Glance

Who's Included?

This inventory includes greenhouse gas emissions resulting from operations on the main grounds of the University of Virginia and the UVa Health System. Emissions from UVa's College at Wise, the UVa Foundation, and multiple UVa field stations are not included.

What's Included?

Emissions are categorized into three scopes:



Scope 1 Emissions

Direct emissions generated by University-owned equipment and activities. Includes: heating plants, fleet, University Transit Service, jet, fertilizer application & refrigerants.



Scope 2 Emissions

Emissions generated through the production of electricity purchased by the University.



Scope 3 Emissions

Emissions generated from indirect sources as a consequence of University operation. Includes: commuting, electricity transmission losses, solid waste & wastewater.

How Are Emissions Measured?

Emissions are typically measured in metric tons (MT) of equivalent Carbon Dioxide (eCO₂) emissions. One MTeCO₂ results from the following:

1 MT eCO₂ =  On for 3.3 years  On for 15.2 years  112 Gallons of Gas  \$200 in Electricity

Emissions from 2000 - 2009 by Scope

Total UVa emissions have increased over the past 10 years due to significant growth in population and buildings.

