

Understanding Scope 1, 2, and 3 Greenhouse Gas Emissions

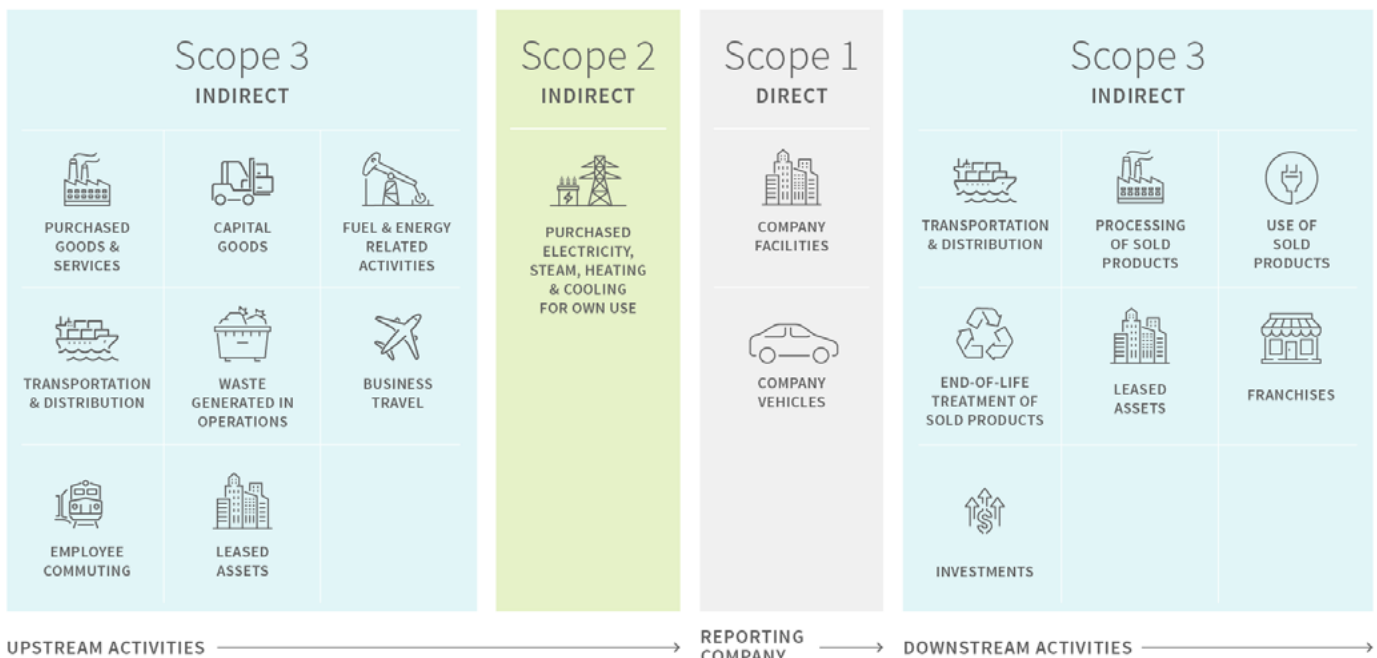
Pressure for sustainability is coming from many angles — government policy makers, private investors, and consumer interests. If your company is not assessing its carbon emissions, it’s time.

WHAT ARE CARBON EMISSIONS?

The word “carbon” has come to informally represent carbon dioxide, methane, HFCs, PFCs, and a host of other by-product gases. Collectively, these emission sources are referred to as greenhouse gases (GHGs). In pursuit of a total, each of these gases is converted into a “carbon dioxide equivalent” (tCO₂e) as a normalized unit.

WHAT IS THE DIFFERENCE BETWEEN SCOPE 1, 2, AND 3 EMISSIONS?

- Scope 1** Emissions your company is in control of from your own equipment and fuel.
- Scope 2** Emissions from another company’s equipment and fuel that you use the output energy.
- Scope 3** Emissions in the supply chain that exist because your company is doing business.



HOW DO YOU DETERMINE WHAT FALLS INTO WHAT SCOPE?

That’s called determining your organizational boundaries. Organizational boundaries help you understand your level of responsibility, operational control (the power to influence an operational policy), and equity control.

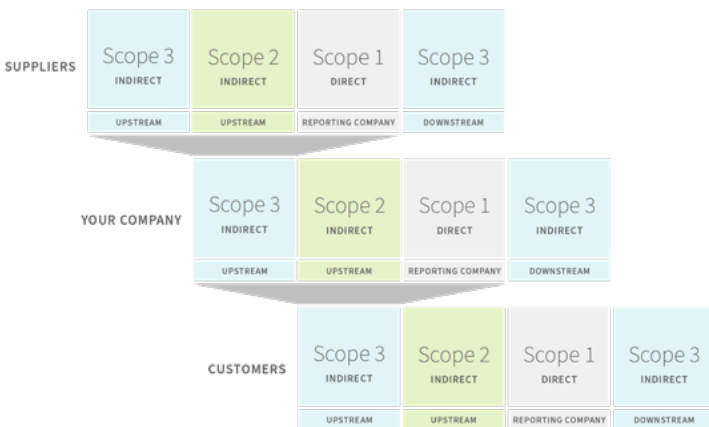
HOW CAN YOU COLLECT & CONVERT EMISSIONS DATA?

An Carbon Management System is the best tool for aggregating activity data across an entire portfolio of buildings. Once you have gathered activity data and determined which coefficients you’ll use, you’ll convert everything to tCO2e. The first year of recording will become your baseline, and your goals should be public disclosure and year over year reduction.

WHY IS REPORTING EMISSIONS DATA IMPORTANT?

Once you start collecting data, you will want to publicly disclose this information. We are links in a chain. If we all aim to reduce what we individually have control over at the same time, there will be a huge global impact.

Emissions in the Supply Chain



Want to learn more? Explore our resource library to dive deeper into assessing and reducing emissions:



ARTICLES

- > [How to Get Ahead on Climate Disclosure Mandates](#)
- > [Unlocking the Power of Scope 3 Emissions](#)
- > [Sustainability... Where Do We Start?](#)



CASE STUDIES & SERVICES

- > [Carbon \(GHG\) Management](#)
- > [Carbon Data Collection](#)



MICROVLOGCAST VIDEOS

- > [About Scope 1, 2, 3, Greenhouse Gas Emissions](#)
- > [How to Collect Data for Scope 1 & 2 GHG Emissions](#)
- > [What is a Materiality Study?](#)



FORESIGHT FORUM WEBINARS

- > [Understanding Scope 1, 2, & 3 GHG Emissions](#)



We’re here to help!

Chat with Mike about how we can help build a sustainability roadmap for your company.