

Carbon Footprint Analysis

To receive stewardship recognition for **CARBON FOOTPRINT ANALYSIS**, a company must determine a greenhouse gas emission value and be able to present inspectors with documentation that details the data and method used to calculate this value. A suitable carbon footprint analysis is all-encompassing and includes direct and indirect emissions. The analysis should determine the exclusive global amount of carbon dioxide and other greenhouse gases accumulated over the full lifecycle of a product, service, or operation.



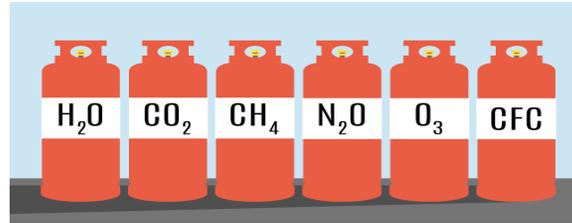
What should be factored into a **CARBON FOOTPRINT ANALYSIS**?

*A carbon footprint is typically expressed as a kilograms or tons CO₂ equivalent.

*Disclosure of an organization's carbon footprint to the public is optional but encouraged.

*Organizations must be able to explain the methodology used to generate their carbon footprint total.

*Offsite contributions must be included in a carbon footprint analysis.



A **Carbon Footprint Analysis** will tabulate:

- ⇒ Emissions generated during transportation of raw materials, product, or waste
- ⇒ Process emissions
- ⇒ Fugitive emissions
- ⇒ Use of electric, heat, or steam power
- ⇒ Emissions generated from air conditioning or refrigeration use
- ⇒ Emissions resulting from business travel or employee commuting

Did you know?

1. Carbon footprint analyses may be part of the bigger project of determining a life cycle assessment for a given product or service.
2. Carbon footprint analyses consider only those environmental impacts related to global warming and climate change.
3. Major greenhouse gases include - CO₂, CH₄, N₂O, SF₆, HFCs, PFCs.
4. Benefits of conducting a carbon footprint analysis may include - increased awareness of environmental impact, ability to formulate realistic goals aimed at reducing environmental harm.

For more information on **CARBON FOOTPRINT ANALYSES**:

EPA — E3 Sustainability Tools

<https://www.epa.gov/e3/e3-sustainability-tools>

Greenhouse Gas Protocol Initiative

<http://www.ghgprotocol.org/>

Carbon Disclosure Project

<https://www.cdp.net/en/info/about-us>

The Carbon Neutral Company — Business Carbon Calculator

<http://www.carbonneutral.com/business-carbon-calculator/index.asp>

For more information contact:

Devin Walker, Stewardship Coordinator
609-984-0799; stewardship@dep.nj.gov

