



### Environmental Stewardship Categories

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### **New Jersey Department of Environmental Protection**

Bob Martin, Commissioner

Chris Christie, Governor

Kim Guadagno, Lt. Governor

**For more information visit:**

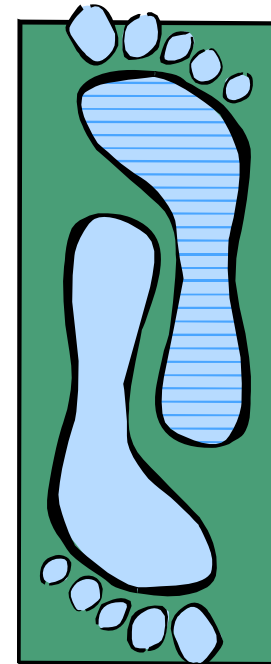
<http://www.stewardship.nj.gov/>

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# Carbon Footprint Analysis



Part of the **Environmental Stewardship Initiative**: a voluntary program that utilizes existing Department infrastructure and personnel to capture information during routine enforcement inspections and recognize members of the regulated community who are engaging in positive activities that benefit the environment.

## Qualifying for Carbon Footprint Analysis Stewardship Recognition

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 CO<sub>2</sub> equivalent.



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



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

\*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 - CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, SF<sub>6</sub>, 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 — Climate Leaders Partnership Program**

<http://www.epa.gov/climateleaders/>

**Greenhouse Gas Protocol Initiative**

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

**Carbon Disclosure Project**

<http://www.cdproject.net/>

**The Carbon Neutral Company — Business Carbon Calculator**

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