

Seminar: Massachusetts Greenhouse Gas Reporting Rule

Introduction to the General Reporting Protocol Boundaries and Scopes

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General Reporting Protocol

General Reporting Protocol means version 1.1 of The Climate Registry's General Reporting Protocol, dated May 2008, and the associated list of clarifications and corrections, dated April 27, 2009 (www.theclimateregistry.org)

General Reporting Protocol

310 CMR 7.71 (5)(c). Greenhouse gas emissions shall be reported in accordance with all applicable requirements of the General Reporting Protocol

General Reporting Protocol

Boundaries for registered reporters:

- **Geographic**
- **Organizational**
- **Operational**



General Reporting Protocol

Geographic Boundary:

Facilities in the State of Massachusetts

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Organizational Boundary:

- Equity Share Approach
- Control Approach

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- Organizational Boundary: Equity Share Approach

Report all emissions sources that are wholly owned and partially owned according to your entity's equity share in each

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- Organizational Boundary: **Control Approach**

Report 100 percent of the emissions from sources that are under your **operational** or **financial control** including both wholly owned and partially owned sources

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- Control Approach: **Operational Control**

An entity has **operational control** over an operation if the entity has the full authority to introduce and implement its operating policies. The entity that holds the operating license for an operation typically has operational control.

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- Control Approach: **Financial Control**

An entity has **financial control** over an operation if the entity has the ability to direct the financial policies of the operation. Financial control usually exists if the entity has the right to the majority of the benefits of the operation.

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Operational Boundary:

310 CMR 7.71(5)(a)1.a.

Report and certify **direct emissions** of greenhouse gases

Operational Boundary:

310 CMR 7.71 (2). Direct Emissions means emissions from **motor vehicles** and emissions from stationary emission sources including, but not limited to, emissions from factory **stacks, manufacturing processes and vents, fugitive emissions, and other process emissions.**

Operational Boundary:

310 CMR 7.71 (2). **Motor Vehicle** means any equipment or mechanical device propelled primarily on land by power other than muscular power but does not mean railroad and railway engines and railway cars, vehicles operated by the system known as trolley motor or trackless trolley, or devices used for domestic purposes, such as lawnmowers or snow blowers.

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These Direct Emissions subject to reporting under the Massachusetts GHG Reporting Rule are referred to in the Climate Registry General Reporting Protocol as **SCOPE 1 EMISSIONS**

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Examples of Scope 1 emissions:

- *Stationary combustion* to produce electricity, steam, heat or power using equipment in a fixed location

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Examples of Scope 1 emissions:

- *Mobile combustion* of fuels in transportation sources (e.g., cars, trucks, marine vessels and planes) and emissions from non-road equipment such as in construction, agriculture and forestry

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Examples of Scope 1 emissions:

- *Physical and chemical processes* other than fuel combustion (e.g., manufacturing of cement, aluminum, etc.)

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Examples of Scope 1 emissions:

- *Fugitive sources.* Unintentional releases from the production, processing, transmission, storage, and use of fuels and other substances that do not pass through a stack, chimney, vent, exhaust pipe or other functionally-equivalent opening

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