

# **RGGR: Regional GHG Registry**

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RGGI Stakeholder Meeting  
September 13, 2004  
Boston, MA**

# State Registry History and Rationale

- New Hampshire: 1999
- California: 2000
- Wisconsin: 2000
- Why?
  - Risk management
  - Demonstrate leadership on GHG emissions mitigation
  - Inventory improvement

# That was then...

Originally proposed as a **voluntary registry**

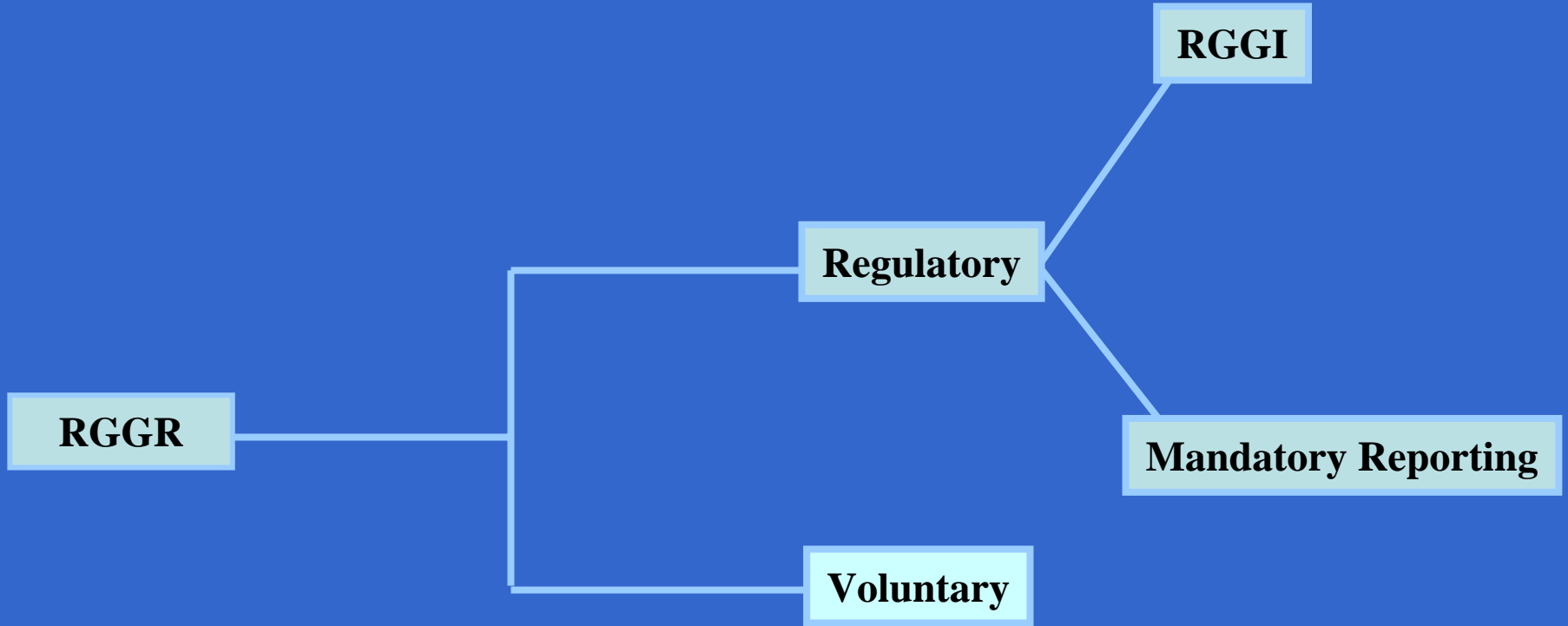
# This is now...

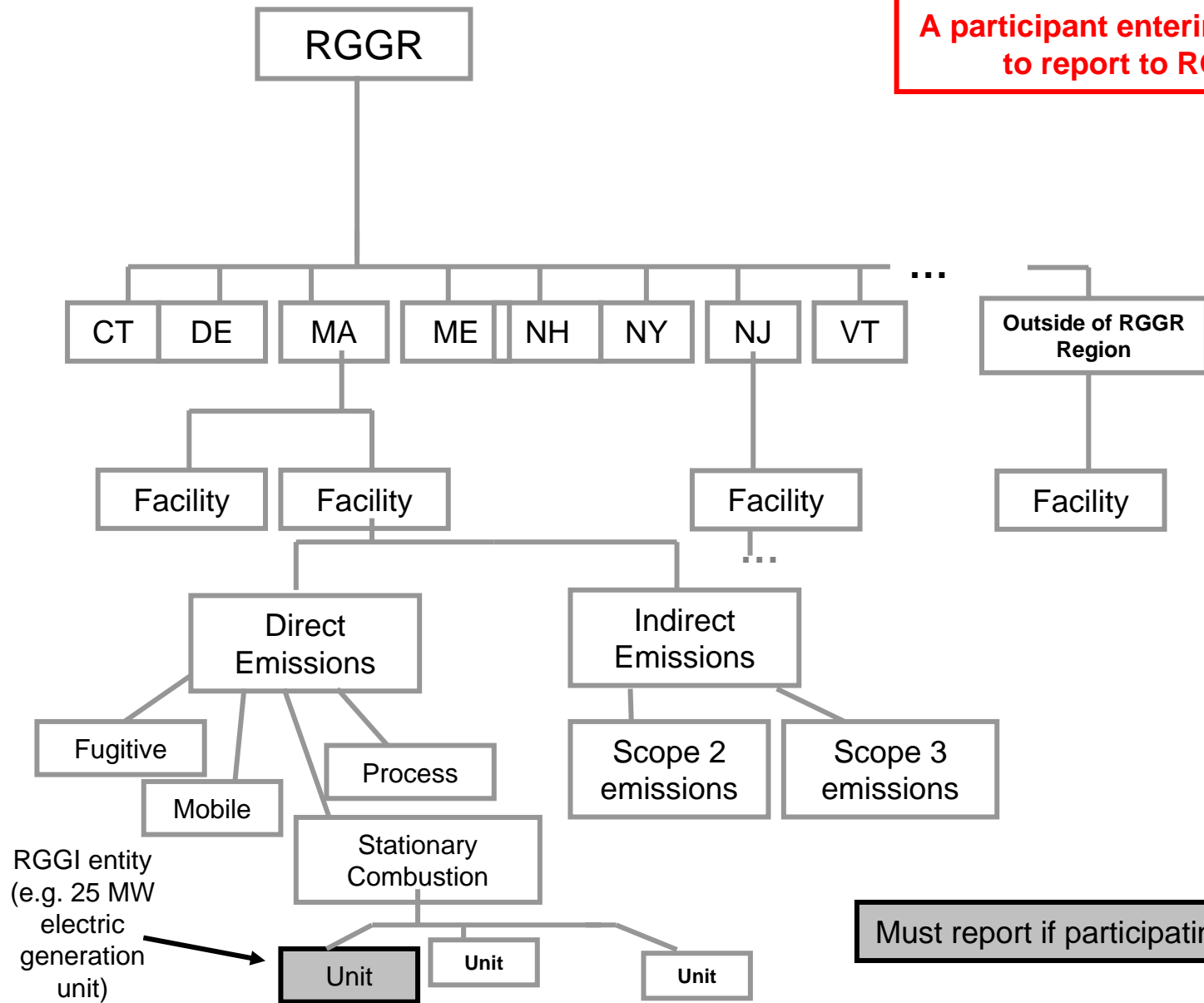
Transitioned into a registry that supports three functions:

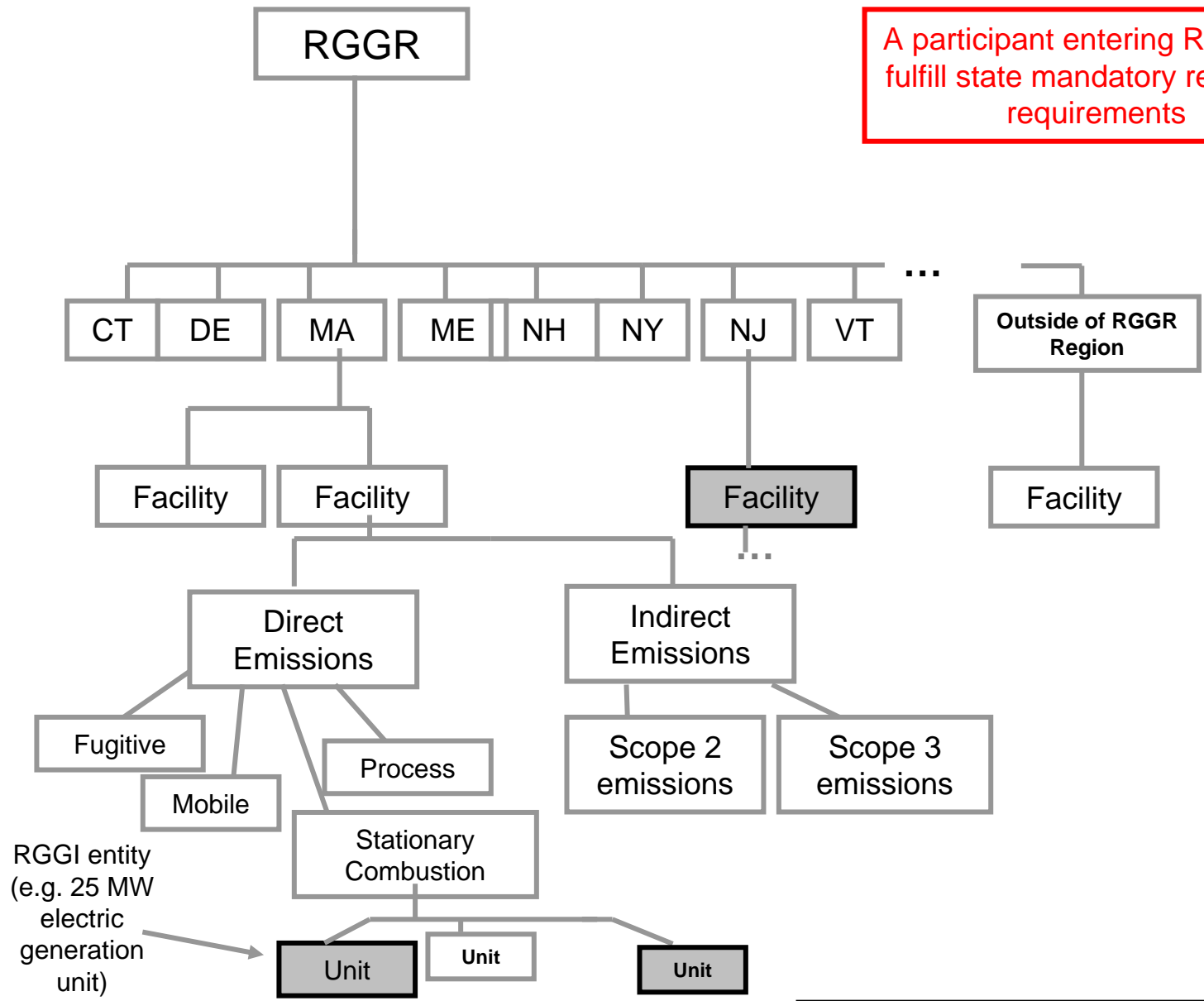
- **voluntary reporting**
- **mandatory reporting**
- **RGGI reporting**
- Support from Energy Foundation and Pew
- NESCAUM facilitating, coordinating work with WRI and California Registry

<b>Goals</b>	<b>POSSIBLE RGGR Tasks:</b>
<b>Support RGGI</b>	<ul style="list-style-type: none"> <li>o Track GHG emissions</li> <li>o Track allowances, credits, and trades</li> <li>o Provide quality data for expansion of the sectors</li> <li>o Oversee verification process</li> </ul>
<b>Mandatory Reporting</b>	<ul style="list-style-type: none"> <li>o Provide quality emissions data to states and to RGGI for future expansion</li> <li>o Bottom-up state/regional inventory development</li> <li>o Provide basis for government voluntary reduction programs, like 33/50 and TRI</li> <li>o Provide stakeholders with relevant information</li> </ul>
<b>Voluntary Reporting</b>	<ul style="list-style-type: none"> <li>o Document credible, reproducible, and transparent base year emissions, which might be protected in future</li> <li>o Provide technical support to first-time reporters</li> <li>o Identify emissions trends and track progress</li> <li>o Provide stakeholders with relevant information</li> </ul>

# Conceptual Design for RGGR





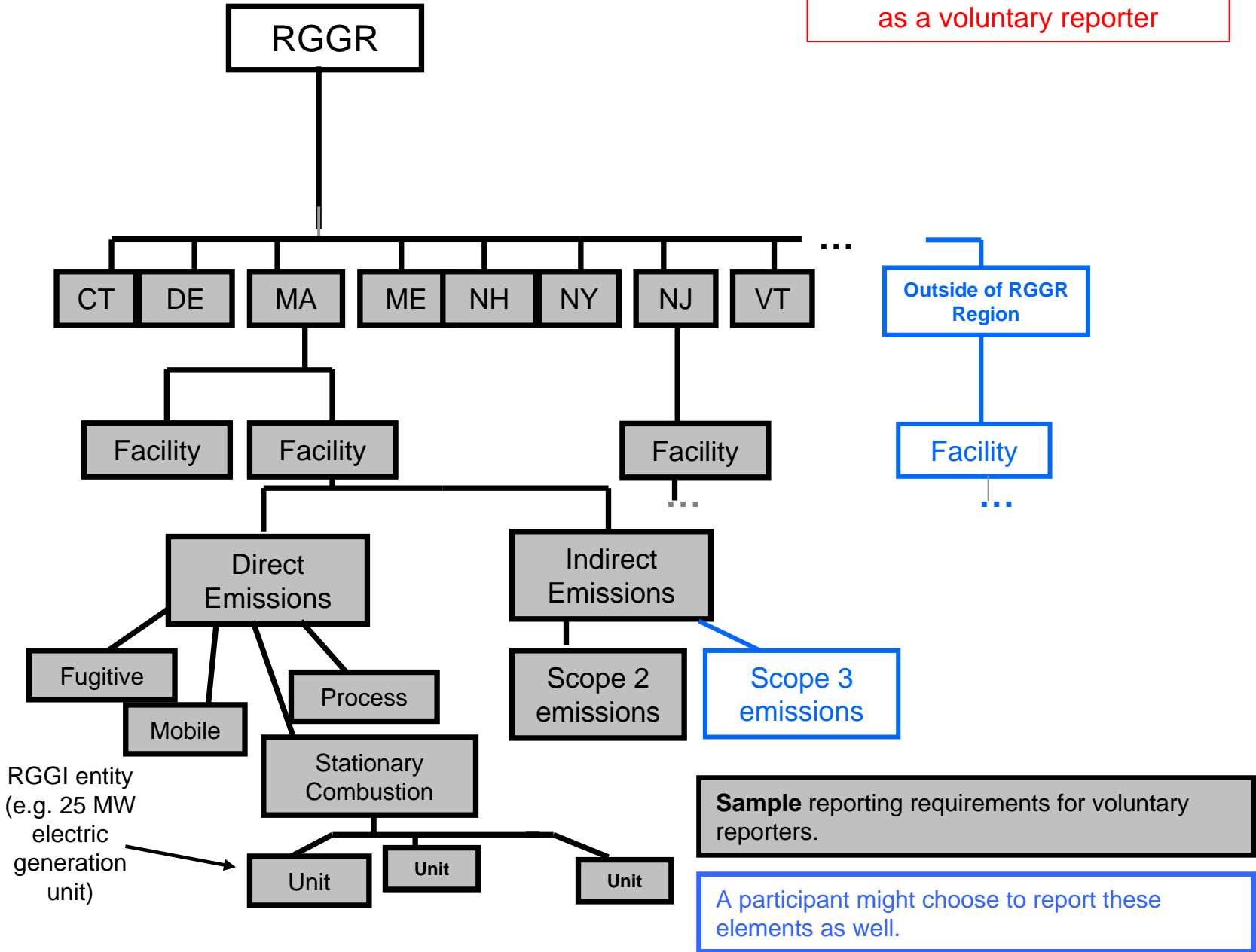


A participant entering RGGR to fulfill state mandatory reporting requirements

RGGI entity (e.g. 25 MW electric generation unit)

Must report if participating in state mandatory reporting programs.

A participant entering RGGR as a voluntary reporter

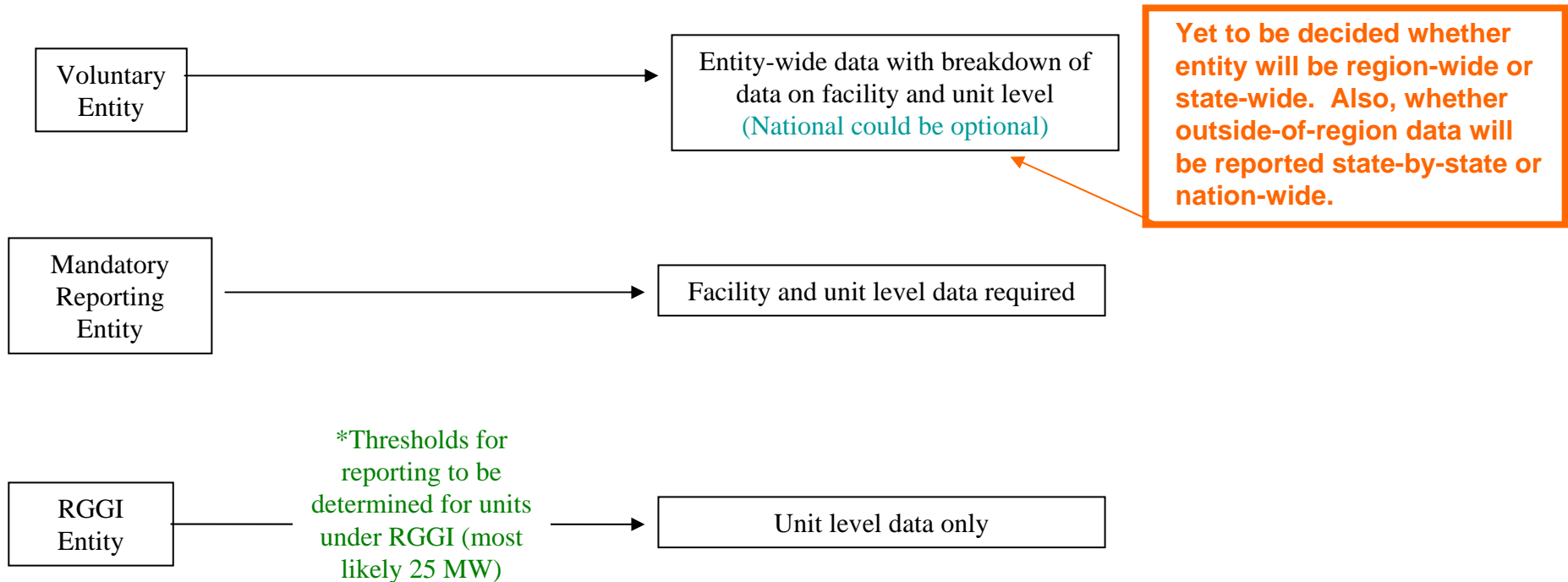




# RGGR Design Elements

- ❖ Define geographical and organizational boundaries  
[company (state, regional, national), facility, unit]
- ❖ Define which gases covered (six Kyoto gases)
- ❖ Define which direct sources covered  
(stationary, mobile, process, fugitive)
- ❖ Define scope of emissions covered  
(direct, indirect – scope 2 and 3)
- ❖ Define verification (self, state, 3<sup>rd</sup> party)

# Defining geographical and organizational boundaries [company (state, regional, national), facility, unit]

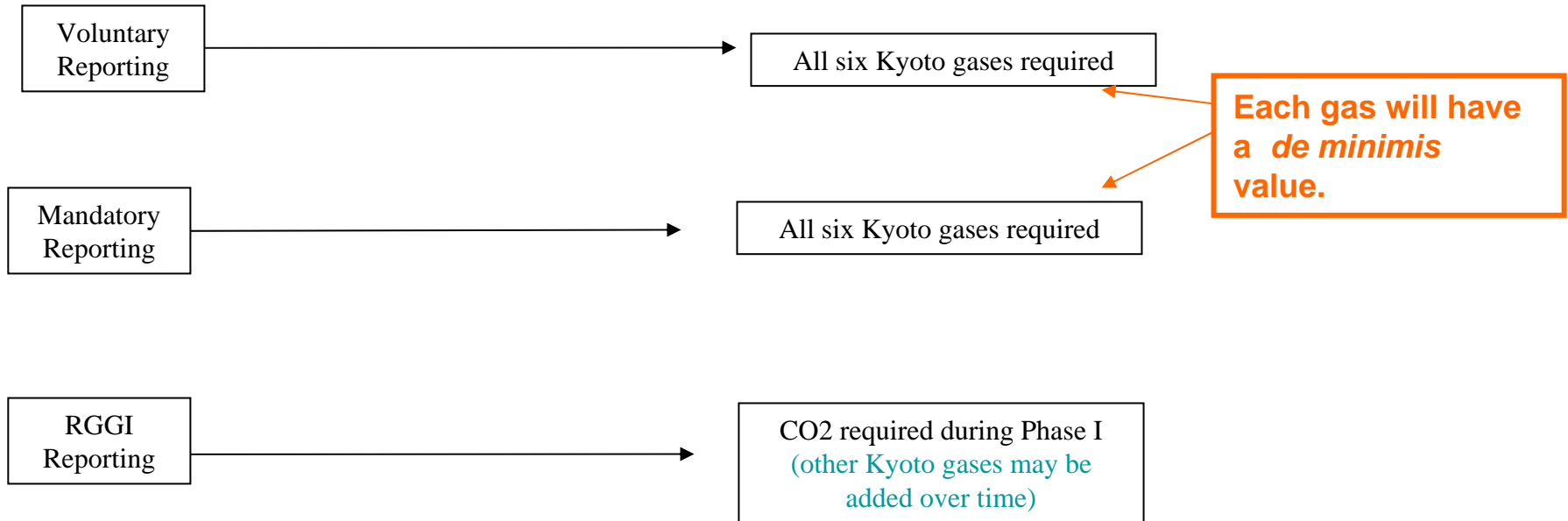


## \*NEED TO ALSO DEFINE RULES ON CONSOLIDATION: Equity Share or Control Approach

**Equity Share Approach:** A company accounts for GHG emissions from operations according to its share of equity in the operation. The equity share reflects economic interests, which is the extent of rights a company has to the risks and rewards flowing from an operation.

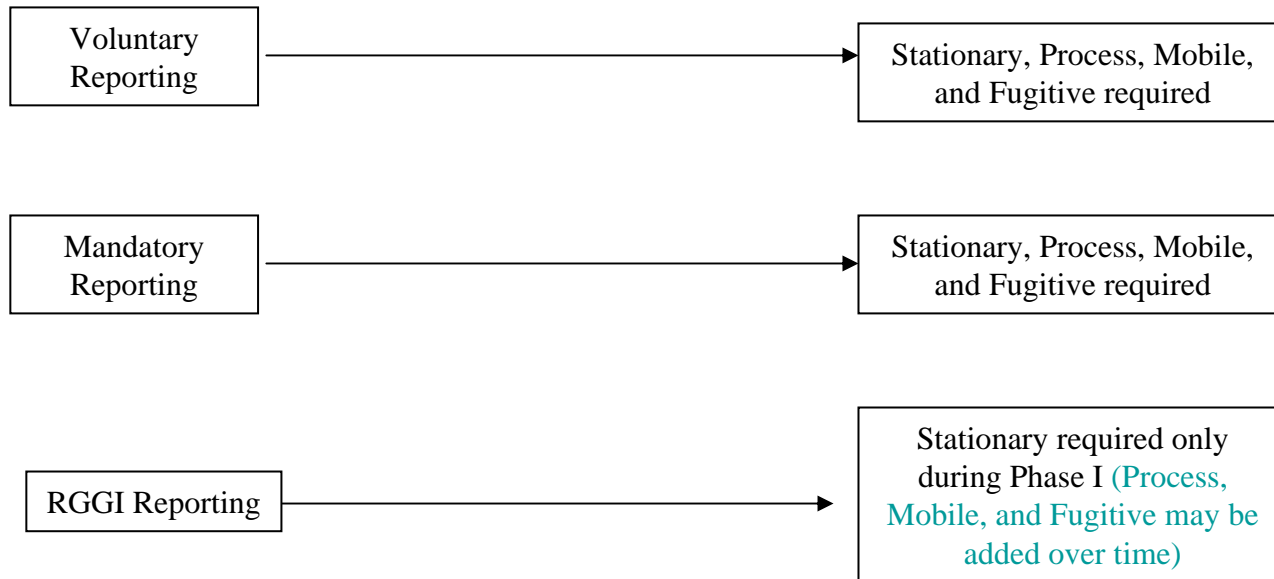
**Control Approach:** A company accounts for 100 percent of the GHG emissions from operations over which it has control. It does not account for GHG emissions from operations in which it owns an interest but has no control. Control can be defined in either financial or operational terms.

# Defining Which Gases Covered



# Defining Which Direct Sources Covered

Each source will have *de minimis* value.



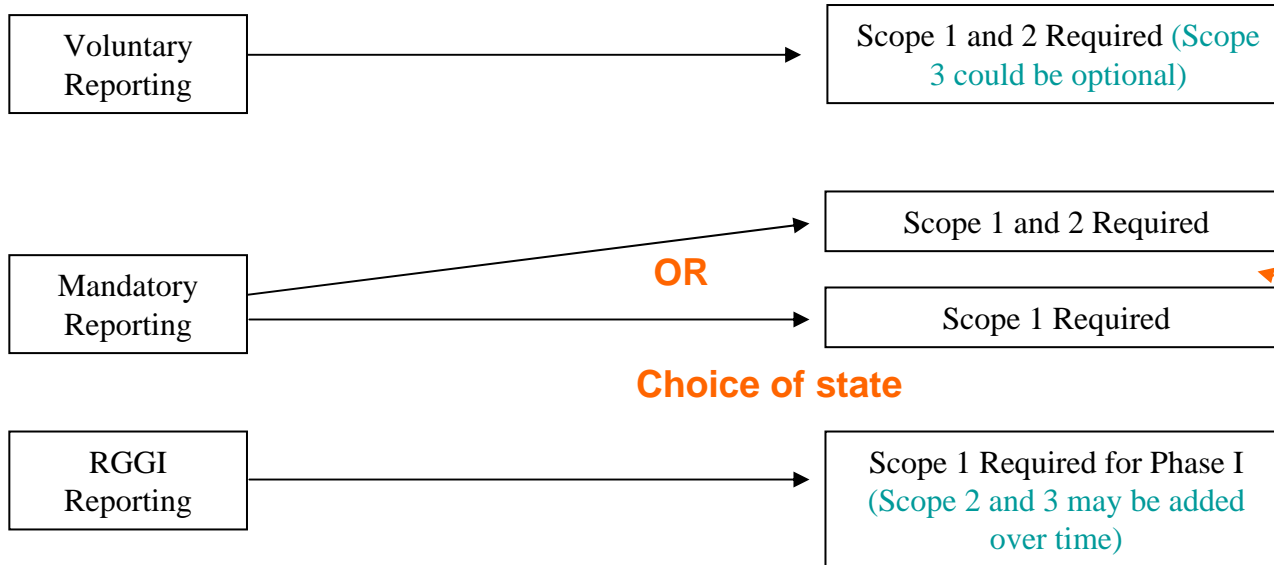
**Stationary combustion:** emissions from production of electricity, heat, or steam

**Process:** emissions from physical or chemical processing

**Mobile:** emissions from transportation of materials, products, waste, and employees

**Fugitive:** emissions from intentional or unintentional releases, i.e. equipment leaks, methane emissions from coal mines, etc.

# Defining Scope of Emissions Covered



Scope 3 reporting could be strongly encouraged for certain sectors which have significant scope 3 emissions, such as the cement sector.

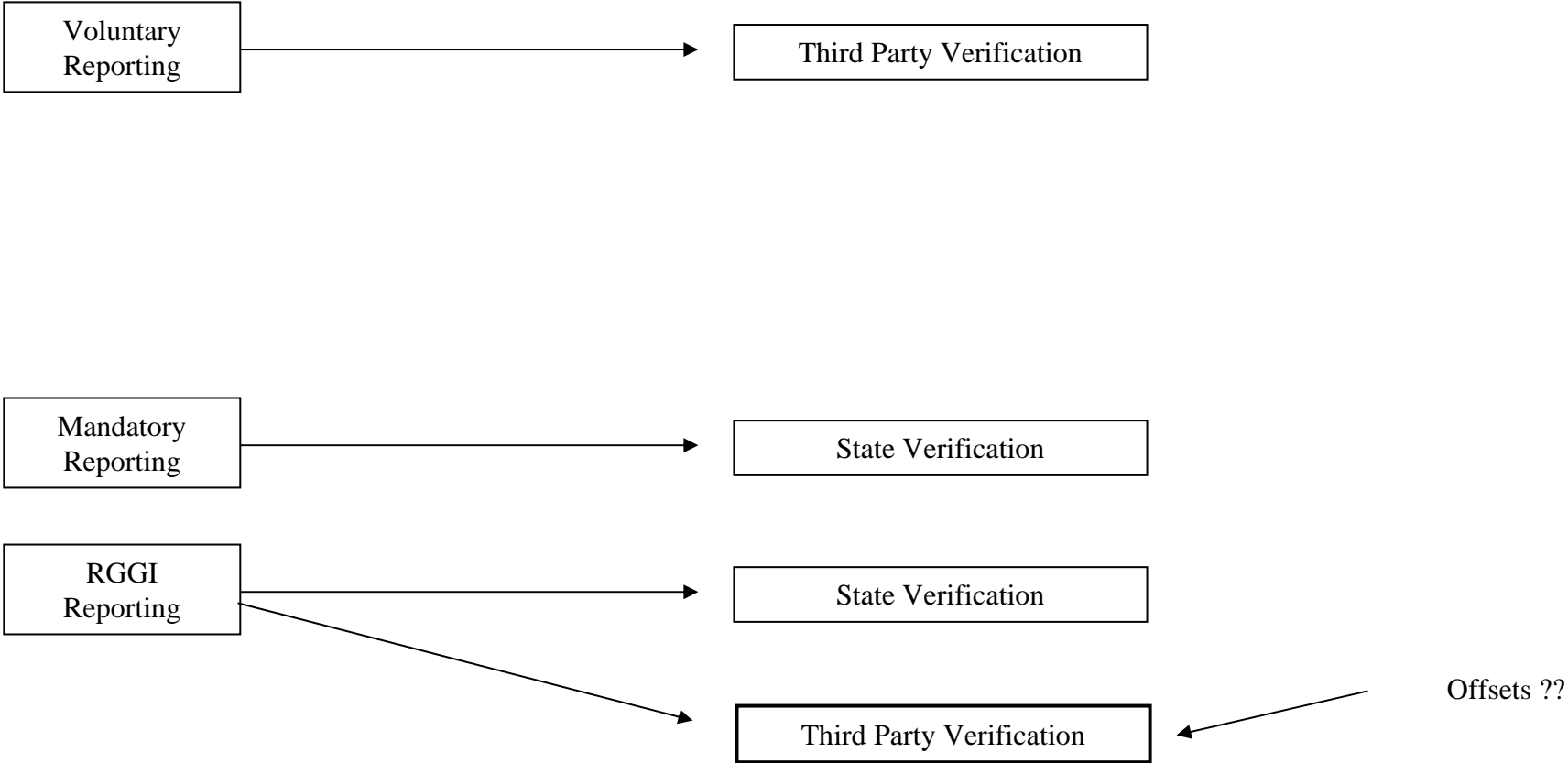
Although Scope 1 was the first priority of a mandatory program, a separate module for scope 2 reporting methodologies will be attached to the model rule/regulatory guidance document – a module which states can elect to adopt

**Scope 1: Direct GHG Emissions** (production of electricity, heat, or steam; physical or chemical processing; transportation of materials, products, waste, and employees; fugitive emissions)

**Scope 2: Indirect GHG Emissions from Imports and Consumption of Electricity, Heat, or Steam**

**Scope 3: Other Indirect GHG Emissions** (i.e. employee business travel; transportation of products, materials, and waste; outsourced activities; production of imported materials; etc.)

# Defining Verification



# RGGR-RGGI Linkage

- Among RGGI administrative needs -- a registry that has the capacity to perform accounting functions such as:
  - emissions tracking
  - allowance transfers
  - compliance checks
  - and other tasks (housing offsets)

# Data Flow between States (enforcement/compliance body) and RGGI: Factors to Keep in Mind

- Overall Ease of Tracking Emissions, Allowances, and Offsets
- Administrative Costs (Software, Staff, Transactions)
- Political Feasibility
- Ease of Reporting for Facilities
- Ease of Reporting for States' Purposes
- Support of RGGI Phase 2 Expansion (Gases, Sectors)
- Ease of Public Viewing/ Transparency
- Potential for International Interface



# Data Flow Options

Scenario 1

Facility

RGGR

State

Scenario 2

Facility

RGGR

State

Scenario 3

Facility

State

RGGR

# Stakeholder Process

- Draft Stakeholder Process Plan:
  - RGGR Website a Primary Communication Tool;
  - Informal Meetings/Outreach to Stakeholders;
  - Public Meetings, if necessary; and
  - Use RGGI Stakeholder Group Process as Appropriate.
  - Input into subgroups (software and reporting templates; calculation tools; verification; protocol, and project reporting), as appropriate

# Questions/Comments?

- Visit [www.rggr.us](http://www.rggr.us) for more information
- Contact information:

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