

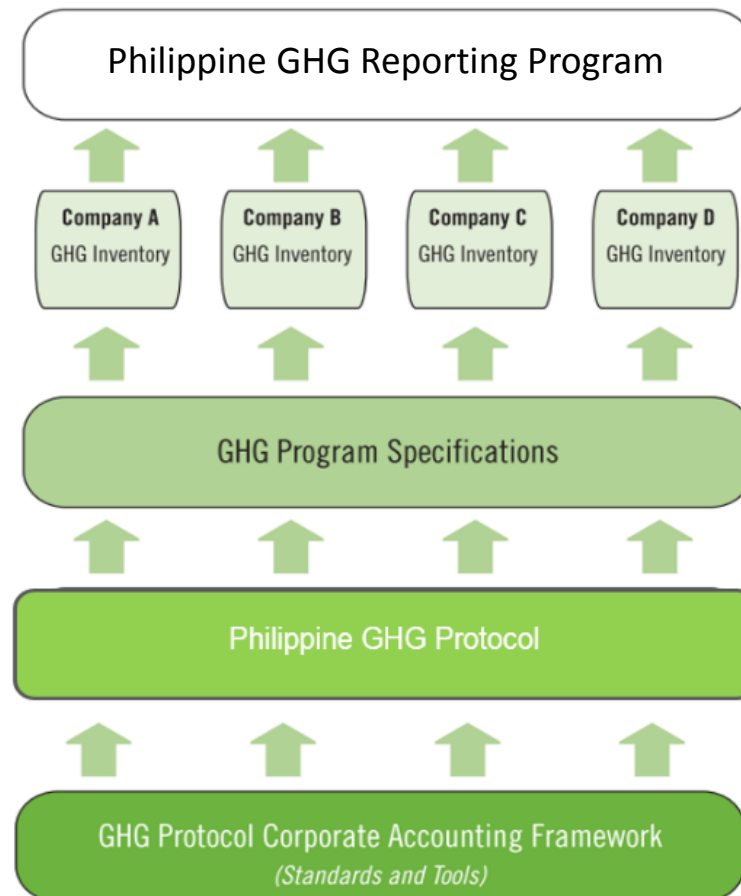


Empowered lives.
Resilient nations.

Philippine GHG Inventory and Reporting Program



LOW EMISSION
CAPACITY BUILDING
PROGRAMME





Program Objectives

1. Provide support to private companies
2. Improve quality and consistency of GHG reports
3. Provide a common baseline, updated emission factors
4. Generate information (e.g. benchmark data) useful for reporting companies to assess and improve their performance
5. Generate information needed to create enabling policies for mitigation
6. Generate credible information to enable stakeholders to make better informed decisions
7. Build and support a community of local experts



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Program Design Principles

1. Ensures the consistent reporting
2. According to Standards
3. Supports the reporting of entity-, unit- and facility-level emissions
4. Provides shared benefits to both the public and the private sector
5. Considers Philippine Business objectives such as market competitiveness, efficiency and lowered climate risks
6. Considers confidentiality of certain data that may compromise any company's business interest



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Accounting and Reporting Specification

1. Definition of Organizational boundary
2. Definition of operational boundary
3. Treatment of Indirect emissions
4. Base Year Criteria
5. Emissions accounting threshold
6. Sector-specific calculation tools and data specifications
7. Granularity of Data for reporting



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Inventory Quality Management

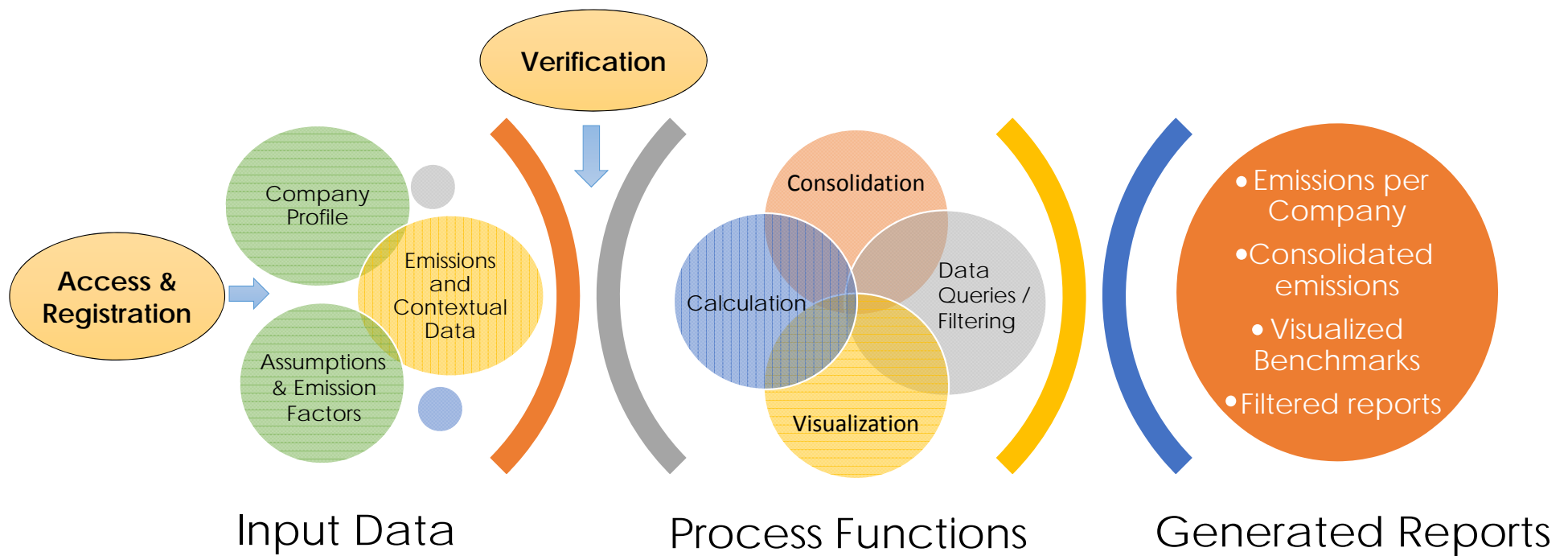
- Principles
- Accepted Methodologies
 - Internal Audit
 - External Assurance
 - Moderate
 - Reasonable
- Verification requirement – for benchmarking



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Reporting Platform Architecture





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Input Data

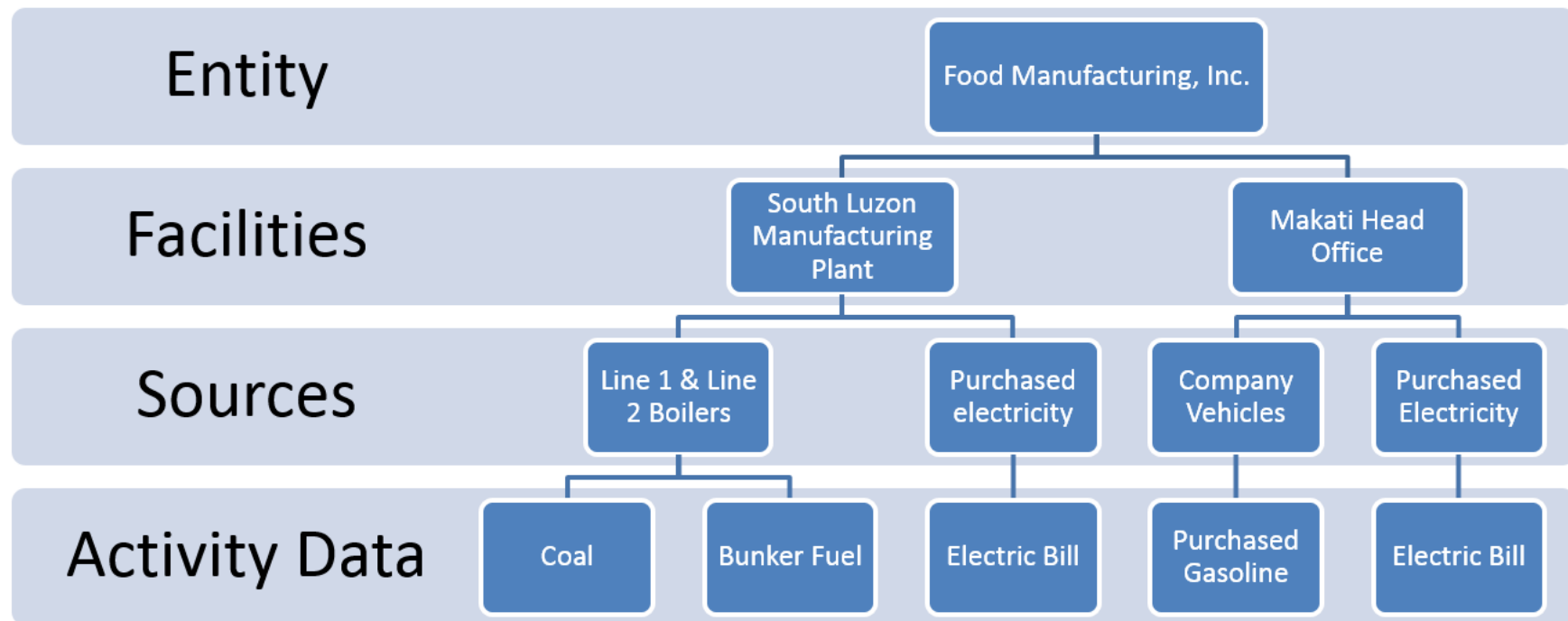




Table 1. Activity Data Inputs for Energy-Related Emissions

[illegible]



Table 2. Activity Data Inputs for Process and Product Use Emissions and Waste

[illegible]



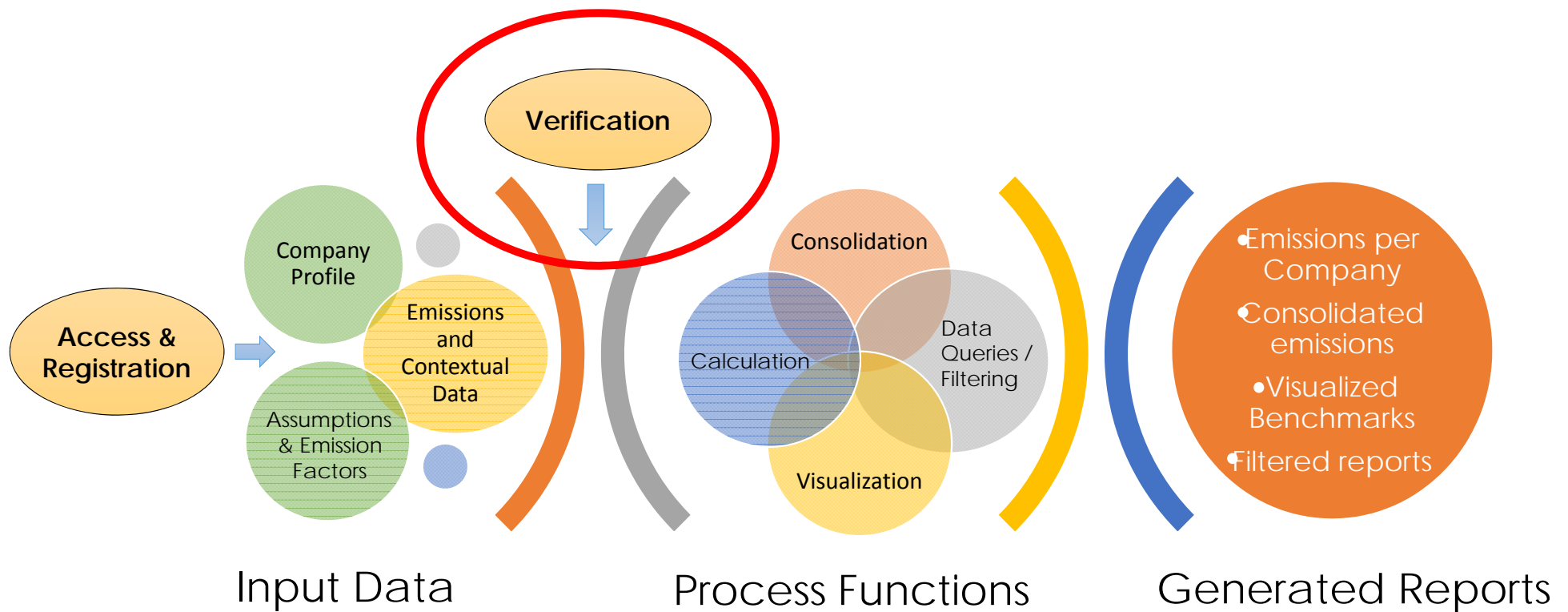
Input Data: Emission Reduction Initiatives

Table 4. Emission Reduction Initiatives

Mitigation Initiatives	Investment Cost (PhP)	GHG Avoidance per year (t CO2e)	Savings in operating cost per year (PhP)

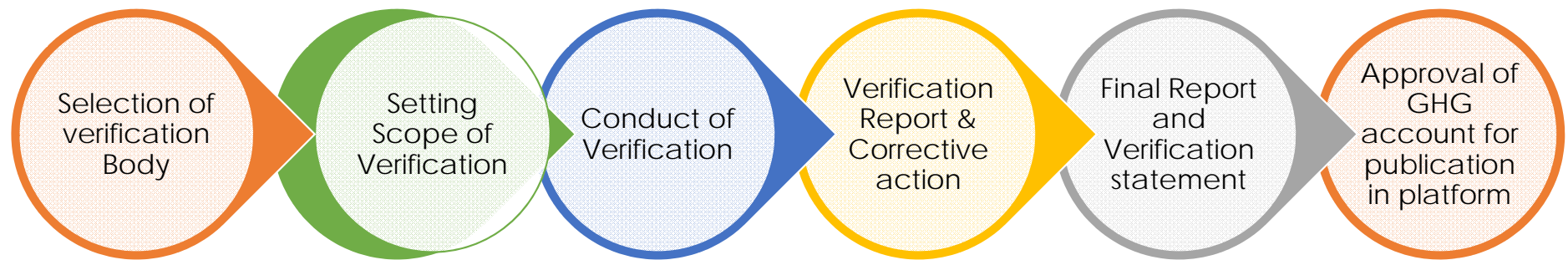


Reporting Platform Architecture





Third-Party Verification





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Process Functions:

- Consolidation
- Data Filtering & Query
- Calculation and Benchmarking
- Visualization



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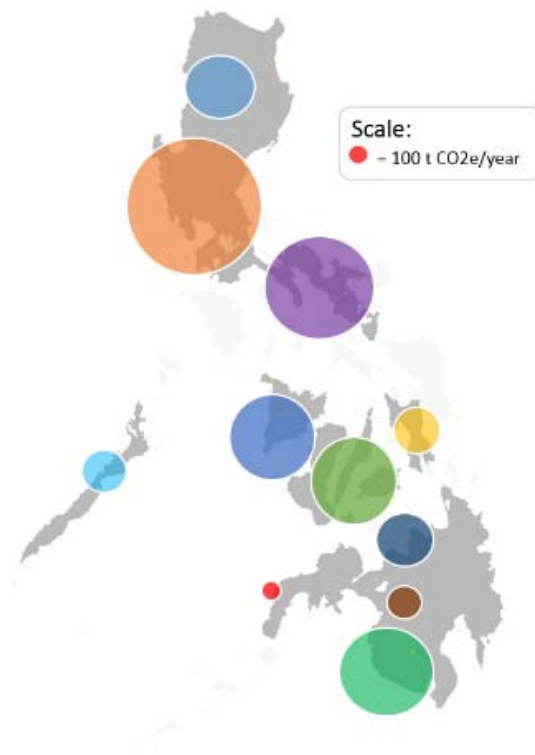


Process Functions: Company Data Visualization (Sample)

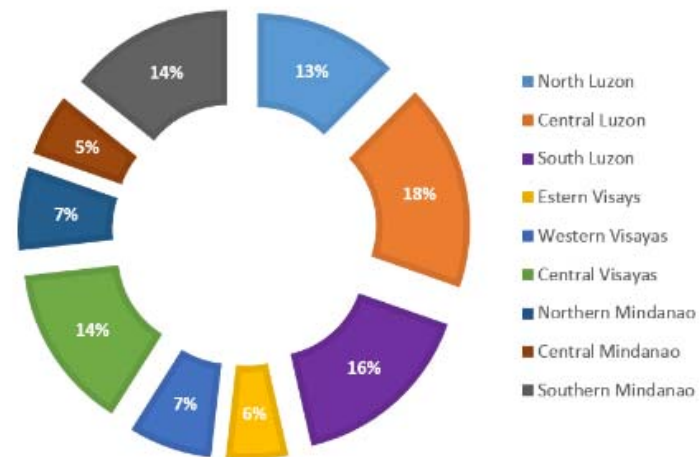




Consolidation / Distribution (Sample)



GEOGRAPHIC DISTRIBUTION OF GHG
EMISSIONS

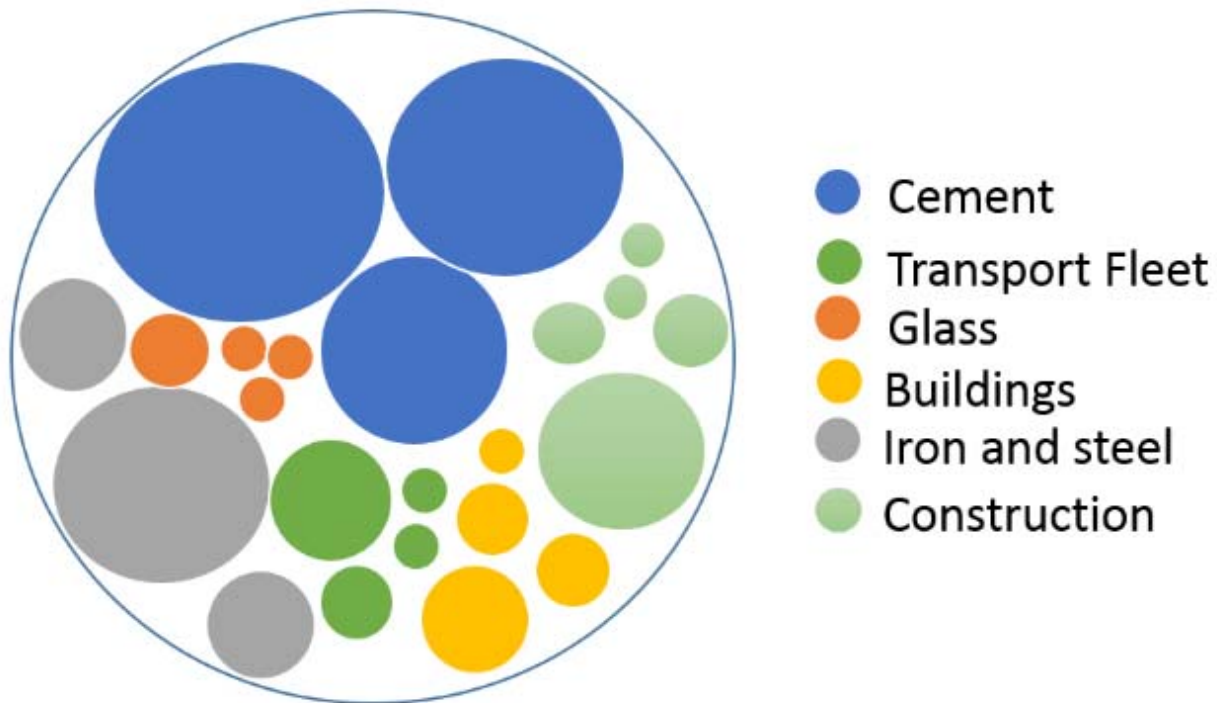




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Sectoral Breakdown (Sample)

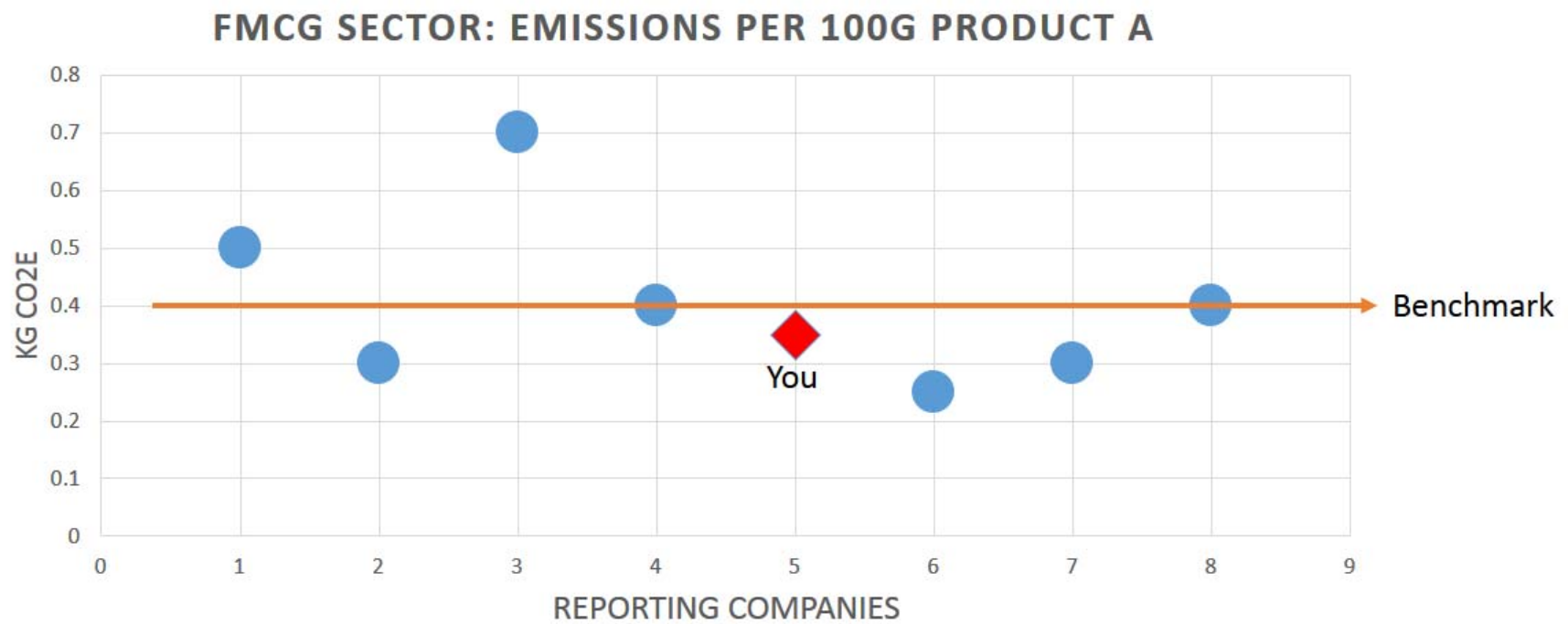




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Benchmarks





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Query Reports (Sample)

Table 6. Sample Query report of specific emission types from specific group of companies

Manufacturing Sector	Co A	Co B	Co C	Co D	Co E	Co F	Total (t CO₂ e)
Process emissions	0	126	0	120	510	293	1499
Mobile Combustion	33	42	117	40	170	98	500
Stationary Combustion	150	189	525	180	765	440	2249



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Effort-based
recognition

Performance-
based
recognition

As a GHG reporter

Report verified with
highest verification
level

Highest absolute
emissions reduction
in your sector

Lowest Carbon
Intensity

Best in Carbon
Productivity

Recognition Program



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Mechanisms: Rating/Certification System

- **Seal Approach**
 - GHG Reporter Seal
 - Verified GHG Inventory Seal
 - Low Carbon Intensity or low carbon product seal
- **Quantitative Marks**
 - (e.g. "this product is produced with 20% lower carbon emissions compared to industry benchmark")



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Mechanisms: Awards System

Effort Based:

- Best GHG Report
- Verified at Highest Verification Level

Performance based:

- Best in carbon reduction
- Best in Carbon Intensity
- Best in Carbon Productivity