



Annual Report 2009
ABENGOA

18

**Greenhouse Gas Inventory
Verification Report**



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A free translation from the original in Spanish. In the event of a discrepancy, the Spanish language version prevails.

INDEPENDENT ASSURANCE REPORT ON THE 2009 GREENHOUSE GAS EMISSIONS INVENTORY

To the Board of Directors of Abengoa, S.A.:

Scope of our work

We have been engaged by the Board of Directors of Abengoa, S.A. to verify with reasonable assurance the 2009 Abengoa Greenhouse Gas (GHG) Emissions Inventory (*Inventario GEI Sociedades Abengoa 2009*), dated 20 February 2010, of Abengoa S.A. and its Group companies (hereon, Abengoa), for the year ended 31 December 2009, in accordance with Abengoa's Internal Standard NOC-05/003 for the preparation and calculation of the GHG emissions inventory, adapted to the provisions under ISO 14064-1 (*Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals*) in reference to *Principles* (section 3), *GHG Inventory Design and Development* (section 4) and *Quantification of Direct and Indirect Emissions*, including those related to acquired goods and services (section 5.1 and Annex B), and which summary prepared by Abengoa Management is attached hereto as an Appendix.

Internal Standard NOC-05/003 (described on pages 249 to 254 of Abengoa's 2009 Corporate Social Responsibility Report) sets down the procedures and specifications for the preparation and calculation of the emissions inventory of the Abengoa companies. The scope of NOC-05/003 affects the following business segments: production, construction and maintenance, offices, factories and warehouses and transport, and all GHG gases included in the Kyoto Protocol (carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride). NOC-05/003 also includes the direct and indirect emissions, relating to scopes 1, 2 and 3 indicated in the "Greenhouse Gas Protocol, A corporate accounting and reporting standard" prepared by the World Business Council for Sustainable Development and the World Resources Institute.

The preparation and the updating of the 2009 Abengoa GHG Emissions Inventory, as per NOC-05/003 criteria, is the responsibility of Abengoa Management, which is also responsible for defining, implementing, adapting and maintaining the management systems and internal control from which the information is obtained for the performance of the GHG emissions inventory, as well as the processes and basis for its preparation.

Our responsibility is to issue an independent report on whether NOC-05/003 has been applied appropriately to the preparation of the 2009 Abengoa GHG Emissions Inventory, based on the procedures used in our examination to verify the following:

- Whether NOC-05/003, approved by the Abengoa Management and applied to all its activities and companies, has been prepared in accordance with the provisions of ISO 14064-1 in respect of *Principles* (section 3), *GHG Inventory Design and Development* (section 4) and *Quantification of Direct and Indirect Emissions*, including those related to acquired goods and services (section 5.1 and Annex B).



- Whether the criteria for the preparation of the GHG emissions inventory set down in the Internal Standard NOC-05/003 have been applied appropriately and consistently by Abengoa and its five business groups (Solar, Bioenergy, Engineering and Industrial Construction, Information Technologies and Environmental Services).
- Whether the preparation of the GHG emissions inventory has been carried out by Abengoa in accordance with the procedures, calculation systems and quality indicators set down in the Internal Standard NOC-05/003.

This report is issued in accordance with the terms and conditions of our engagement letter dated 30 October 2009.

Criteria for performance of our verification

We have carried out our work in accordance with ISAE 3000 *Assurance Engagements Other than Audits or Reviews of Historical Financial Information* issued by the *International Auditing and Assurance Standard Board* (IAASB) of the *International Federation of Accountants* (IFAC), for a reasonable level of assurance that requires, for engagements of this type, verification procedures and the procurement of sufficient evidence that supports the information presented in order to reduce the risk of error or omission in said information to an acceptably low level. Furthermore, the directives set down in ISO 14064-3 (*Specification with guidance for the validation and verification of greenhouse gas assertions*) have been taken into consideration.

Our verification has consisted of the formulation of queries presented to Management, and the different units of Abengoa and its Group companies, who have participated in the implementation of NOC-05/003 and the preparation of the 2009 Abengoa GHG emissions inventory, and in the performance of certain analytical procedures and tests, which, in general, are described below:

- Interviews with personnel of Abengoa and its Group companies in order to learn about the NOC-05/003 implementation process as well as to obtain the information required for our external verification.
- Analysis of the processes for compiling and validating the 2009 GHG emissions inventory data of Abengoa.
- Analysis of compliance of the NOC-05/003 with the provisions set down in ISO 14064-1 in respect of *Principles* (section 3), *GHG Inventory Design and Development* (section 4) and *Quantification of Direct and Indirect Emissions*, including those related to acquired goods and services (section 5.1. and Annex B).
- Evaluation of the compilation systems and internal control in relation to the preparation of Abengoa's GHG emissions inventory.
- Testing by sample of the information reported and validation of the key controls identified.
- Verification by analytical and substantive testing based on a selected sample of the quantitative information (source data, calculations and information generated) for determining the Abengoa GHG emissions inventory and its appropriate compilation in accordance with the provisions of NOC-05/003 for Abengoa.

Our work has not included an examination of the reliability of the information provided by third parties.



Independence

We have performed our work in accordance with the independence standards required by the Code of Ethics of the *International Federation of Accountants* (IFAC).

Conclusion

As a result of our work we can conclude that:

- Abengoa's Internal Standard NOC-05/003 applicable to all its activities and companies has been prepared in accordance with the provisions of ISO 14064-1 in respect of *Principles* (section 3), *GHG Inventory Design and Development* (section 4) and *Quantification of Direct and Indirect Emissions*, including those related to acquired goods and services (section 5.1. and Annex B).
- The criteria for the preparation of the GHG emissions inventory set down in the Internal Standard NOC-05/003 have been applied appropriately and consistently by Abengoa and its five business groups as a whole (Solar, Bioenergy, Engineering and Industrial Construction, Information Technologies and Environmental Services).
- The GHG emissions inventory prepared by Abengoa for the period beginning 1 January 2009 and ending 31 December 2009 (*Inventario GEI Sociedades Abengoa 2009*, dated 20 February 2010) has been carried out reliably and properly in accordance with the procedures, calculation systems and quality indicators set down in Abengoa's Internal Standard NOC-05/003.

PricewaterhouseCoopers Auditores, S.L.

A handwritten signature in blue ink, appearing to read 'Ferran Rodríguez', is written over a circular stamp or seal.

Ferran Rodríguez
Partner
24 February 2010

**Appendix:***Inventario GEI Sociedades Abengoa 2009 Summary (dated 20 February 2010)*

2009 Abengoa GHG Inventory		(t CO ₂ eq.)
Scope 1 (excluding biomass)		1,352,951
Scope 2		392,363
Scope 3	Supplies	4,737,125
	Rest of Scope 3	113,243
Total Abengoa		6,595,682
Scope 1 (biomass)		1,843,259