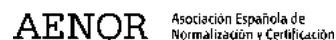


# Verification Statement for Abengoa on the Inventory of greenhouse gas emissions



## Verification Statement of AENOR for Abengoa on the Inventory of greenhouse gas emissions corresponding to the year 2015

DOSSIER: 1993/0205/HCO/01

### Introduction

Abengoa (hereinafter the company) commissioned the Spanish Association for Standardisation and Certification (AENOR) to make a reasonable revision of the inventory of greenhouse gases (GHG) of its activities included in the GHG report of 2015, which is part of this Declaration.

AENOR is accredited by Entidad Mexicana de Acreditación (OVVGEI 004/14) (entered into force on 31/10/2014; in effect until 31/10/2018), according to ISO 14065:2007, to conduct GHG verifications according to ISO 14064-3:2006 in the Energy Sector.

Inventory of GHG emissions issued by the Organisation: Abengoa, Campus Palmas Altas c/ Energía Solar, 1- Palmas Altas 41014 Seville (Spain).

Representatives of the Organisation: Fernando Martínez Salcedo, Sustainability Secretary, and José Manuel Delgado Rufino, Manager of the Corporate Control Department.

Abengoa was responsible for reporting its GHG emissions considered in accordance with the reference standard ISO 14064-1:2006.

### Objective

The objective of the verification is to provide the interested parties with an independent and professional opinion on the information and data contained in the above mentioned GHG Report issued by Abengoa.

### Conflicts of interest

AENOR states that there is no any conflicts of interest between the organization responsible of the GHG inventory and AENOR or any member of the verification team.

### Scope of the Verification

During the verification the information was analysed according to Operational control approach. The company reports all the GHG emissions attributable to the operations under its control. In addition, the assets owned by Atlantica Yield and operated by Abengoa are included.

The scope of the verification is established for the activities carried out by the companies belonging to Abengoa as of December 31<sup>st</sup>, 2015 as detailed in Appendix I.

The scope of the activities of the company is identified in accordance with the guidelines of standard ISO 14064-1:2006 in direct and indirect activities.

### Direct, indirect activities and exclusions from the verification.

#### Scope 1- Direct GHG emissions

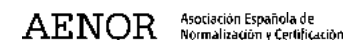
Direct emissions occur from sources that are the property of or are controlled by Abengoa. These include:

- Stationary combustion sources
- Mobile combustion sources

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- Process emissions
- Fugitive emissions

#### Scope 2 – Energy indirect GHG emissions

Indirect emissions are those derived from the activity but generated by other entities, including the emissions of the generation of electricity acquired and consumed by the company. These emissions are:

- Emissions associated with generating purchased thermal energy.
- Emissions associated with generating purchased electrical energy.

#### Scope 3- Other indirect GHG emissions

The rest of the indirect emissions are a consequence of the activities of the company, but occur in sources that are not the property of the company or controlled by it. These other emissions are:

- Business trips.
- Employee commuting to the workplace.
- Indirect emissions from losses during electricity transport and distribution.
- Indirect emissions due to the value chain of the fuels employed for the production of the electricity consumed.
- Goods and services purchased.

#### Exclusions

Abengoa companies have been able to exclude from their inventories those sources which imply a value less than or equal to 0,5 % of their total emissions.

#### Greenhouse gases taken into consideration

The greenhouse gases taken into consideration for the inventory are those defined under the Kyoto Protocol which can be divided into the following categories:

- Carbon dioxide.
- Methane.
- Nitrous oxide.
- Perfluorocarbons.
- Hydrofluorocarbons.
- Sulphur hexafluoride.
- Nitrogen trifluoride

#### Base year

Abengoa's inventory is the result of consolidating the inventories of its companies and each one of them define their own base year depending on their characteristics and, in this way, the perimeter variations are carried out at a subsidiary company level.

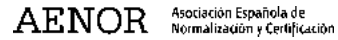
#### Materiality

For the verification it was agreed to consider as material discrepancies those omissions, distortions or errors that could be quantified and result in a difference of more than 5% with respect to the total of emissions declared.

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**Criteria**

The criteria and information that have been taken into consideration to carry out the verification were the following:

- 1) Standard ISO 14064-1:2006: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals.
- 2) Standard ISO 14064-3:2006: Specification with guidance for the validation and verification of greenhouse gas assertions.
- 3) Internal Standard of Abengoa NOC-05/003 "Quality and Environment Management. Sustainability Management. Greenhouse gas emissions inventory"
- 4) Technical Instructions and procedures of Abengoa companies.

Finally, the "Abengoa Greenhouse gas emissions report 2015" was subject to verification.

AENOR waives any responsibility for decisions, regarding investment or of any other type, based on this declaration.

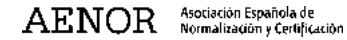
**Conclusion**

**As a conclusion and according to the reasonable level of assurance agreed, AENOR states:**

Based on the above, in our opinion *the information on the GHG emissions reported in "Abengoa Greenhouse gas emissions report 2015" is materially correct and is a fair representation of the emissions of its activities.*

Lead Verifier: Raúl BLANCO BAZACO

Environment Manager: José MAGRO GONZÁLEZ



In consequence with this Declaration below is a list of the emissions data that were finally verified:

Scope 1

a) GHG emissions.

Scope 1 emissions-Greenhouse Gases			
Non biomass emissions (t CO <sub>2</sub> -eq)		Biomass emissions (t CO <sub>2</sub> -eq)	
Mobile combustion	112.703	Mobile combustion	2.492
Stationary combustion	1.847.890	Stationary combustion	1.417.312
Fugitive emissions	20.131	Fugitive emissions	0
Processes	155.084	Processes	1.869.201
<b>Total</b>	<b>2.135.808</b>	<b>Total</b>	<b>3.289.005</b>

Scope 2

Total emissions (t CO <sub>2</sub> -eq)	
Electric energy consumption	535.872
Thermal energy consumption	101.938
<b>Total</b>	<b>637.810</b>

Lead Verifier: Raúl BLANCO BAZACO

Environment Manager: José MAGRO GONZÁLEZ

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Scope 3

Total emissions (t CO <sub>2</sub> -eq)	
Acquired supplies	3.868.295
Business trips	31.465
Employee commuting	17.108
Electric energy distribution losses	76.177
Value chain of the fuels used to generate the energy consumed	82.763
<b>Total</b>	<b>4.075.808</b>

  
Lead Verifier: Raúl BLANCO BAZACO  
Madrid, 15 April 2016

  
Environment Manager: José MAGRO GONZÁLEZ

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**APPENDIX I. List of companies included in the scope.**

- o Abeinsa Engineering Pvt Ltd.
- o Abacus Management LLC
- o ABD Abu-Dhabi
- o ABD Asia Pacific Pte. Ltd.
- o ABD China
- o ABD Germany
- o ABD Korea
- o ABD Marruecos
- o ABD Perú
- o ABD Turquía
- o Abeima
- o Abeima Sri Lanka
- o Abeima Teyma Abengoa Perú Ortak Girişimi
- o Abeima Teyma Infraestructures Ghan Limited (L40)
- o Abeima Teyma Zapotillo SRL de CV
- o Abeinsa Asset Management S.L.
- o Abeinsa Business Development España
- o Abeinsa Business Development India
- o Abeinsa Business Development México S.A. de C.V.
- o Abeinsa Business Development Sp.z o.o.
- o Abeinsa Business Development, LLC (USA)
- o Abeinsa Engineering Inc
- o Abeinsa Engineering SA de CV
- o Abeinsa Engineering, S.L.
- o Abeinsa EPC España
- o Abeinsa EPC Kaxu
- o Abeinsa EPC Khi
- o Abeinsa EPC México
- o Abeinsa EPC Southern Africa
- o Abeinsa EPC USA
- o Abeinsa EPC Xina (Pty) Ltd
- o Abeinsa Glendale Waste to Energy
- o Abeinsa Ingeniería y Construcción Industrial, S.A.
- o Abeinsa Juárez N-III S.A de C.V.
- o Abeinsa Operation and Maintenance S.A.
- o Abeinsa Pasadena Cogeneration Project
- o Abeinsa Power Structures India
- o Abeinsa Teyma Barka LLC
- o Abencor
- o Abencor Brasil Comercio e Logística de material Eletrico Ltda
- o Abencor México SA de CV
- o Abencor Perú S.A.
- o Abencor South Africa Pty. Ltd.
- o Abencor USA LLC
- o Abener
- o Abener Abeinsa for Construction, Water and Power Company Limited
- o Abener Energia SA, sucursal Polonia
- o Abener Energie S.A.R.L.
- o Abener Energoprojekt Gliwice S.A.
- o Abener North America
- o Abener-Teyma Solana
- o Abengoa Australia Pty Ltd
- o Abengoa Bioenergia Agroindustria - Agrícola
- o Abengoa Bioenergia Agroindustria - São João
- o Abengoa Bioenergia Agroindustria - São Luiz
- o Abengoa Bioenergia Brasil S.A.
- o Abengoa Bioenergia Inversiones, S.A.

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- o Abengoa Bioenergía Nuevas Tecnologías, S.A
- o Abengoa Bioenergía San Roque, S.A.
- o Abengoa Bioenergía Santa Fé Ltda
- o Abengoa Bioenergía, S.A.
- o Abengoa Bioenergy Biomass of Kansas, LLC
- o Abengoa Bioenergy Corporation
- o Abengoa Bioenergy Corporation - Colwich
- o Abengoa Bioenergy Corporation - Portales
- o Abengoa Bioenergy Corporation - York
- o Abengoa Bioenergy Engineering & Construction, LLC
- o Abengoa Bioenergy France, S.A.
- o Abengoa Bioenergy Netherlands, B.V.
- o Abengoa Bioenergy New Technologies, Inc.
- o Abengoa Bioenergy of Illinois, LLC
- o Abengoa Bioenergy of Indiana, LLC
- o Abengoa Bioenergy of Kansas, LLC
- o Abengoa Bioenergy of Nebraska, LLC
- o Abengoa Bioenergy Outsourcing, LLC
- o Abengoa Bioenergy Trading Europe, B.V.
- o Abengoa Bioenergy Trading US, LLC
- o Abengoa Bioenergy UK, Ltd
- o Abengoa Bioenergy US Holding, Inc
- o Abengoa Brasil Administração Predial Ltda
- o Abengoa Brasil Logística Ltda
- o Abengoa Chile
- o Abengoa Colombia S.A.S
- o Abengoa Concessions
- o Abengoa Concessões Brasil Holding S/A
- o Abengoa Construção Brasil Ltda
- o Abengoa Greenfield Brasil Holding
- o Abengoa Hidrógeno
- o Abengoa México
- o Abengoa México Operación y Mantenimiento S.A. de C.V.
- o Abengoa Perú S.A.
- o Abengoa Research, S.L.
- o Abengoa S.A.
- o Abengoa Servicios
- o Abengoa Solar
- o Abengoa Solar Chile, SpA
- o Abengoa Solar España
- o Abengoa Solar Industrial Systems
- o Abengoa Solar LLC
- o Abengoa Solar NT
- o Abengoa Solar Power South Africa (Pty) Ltd.
- o Abengoa T&I
- o Abengoa T&I ULC
- o Abengoa Water
- o Abengoa Water Beijing
- o Abengoa Water USA
- o Abent 3T S.A.P.I. de C.V.
- o Abenta Construção Brasil Ltda
- o Abentel
- o Abratey Construção Ltda
- o Advanced Feedstocks of Kansas
- o AEC Biomass USA LLC
- o Asa Iberoamerica
- o ASA Investiment Brasil Ltda
- o ASI Operations Inc.

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- o ATA GP Oregon GE
- o ATE IV São Mateus Transmissora de Energia S/A
- o ATE V Londrina Transmissora de Energia S/A
- o ATE VI Campos Novos Transmissora de Energia S/A
- o ATE VII Foz do Iguaçu Transmissora de Energia S/A
- o ATE VIII Transmissora de Energia S/A
- o ATE XIX Transmissora de Energia S.A.
- o ATE XVI Transmissora de Energia S.A.
- o ATE XVII Transmissora de Energia S/A
- o ATE XVIII Transmissora de Energia S.A.
- o ATE XX Transmissora de Energia S.A
- o ATE XXI Transmissora de Energia S.A.
- o ATE XXII Transmissora de Energia S.A.
- o ATE XXIII Transmissora de Energia S.A.
- o ATE XXIV Transmissora de Energia S.A.
- o ATN 3 S.A.
- o Aurorex SA
- o Balofix SA (AEC Corp)
- o Biocarburantes de Castilla y León, S.A.
- o Bioetanol Galicia, S.A.
- o CIL Torrecuellar S.A.
- o Codesa
- o Comensa
- o Concesionaria del Acueducto El Zapotillo, S.A. de C.V.
- o Consorcio Ambiental del Plata
- o Construtora Integração Ltda
- o Covisa
- o CSP Atacama 2, S.A.
- o CT Palmas Altas
- o DGEN Transmission Company Limited
- o Ecoagrícola, S.A.
- o Ecocarburantes Españoles, S.A.
- o EP Abener Energía Baja California Sur IV
- o EP Abener Inabensa NP Tabasco II
- o EP Abener Teyma Paysandú
- o EP Cerro Dominador
- o EP Inabensa Denmark
- o EP Inabensa Kuwait
- o EP Inabensa Teyma Eólica del Tala
- o EP Inabensa Teyma Peralta
- o EP Inabensa UK
- o EP Teyma Agua Prieta II
- o EP Ute Abener Inabensa NP Tabasco I
- o EP UTE Abener Teyma Atacama II
- o EP UTE Abener Teyma Inabensa Atacama I
- o EP UTE Abener Teyma Inabensa Atacama II PV
- o EP UTE Abener Teyma Norte III
- o EP UTE Ashalim
- o EP UTE Dead Sea
- o Eucomsa
- o Filial Abener Inabensa Centro Morelos I
- o GIRH, S.A.
- o Hugoton
- o Inabensa Bharat
- o Inabensa France
- o Inabensa Maroc
- o Inabensa Rio Ltda
- o Inabensa Saudi Arabia, LLC

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- o Inabensa Tianjin
- o Instalaciones Inabensa. SA
- o Kaxu CSP O&M Company (Pty) Ltd.
- o Khi CSP O&M Company (Pty) Ltd.
- o Khi Solar One (Pty) Ltd
- o Manaus Construtora Ltda
- o Manaus Transmissora de Energia S/A
- o Mojave
- o Mount Signal PV
- o Nicefield SA
- o Nicisa
- o Nicisa Fornecimento de Materiais Elétricos, S.A.
- o Nicisa Industrial Supplies
- o Nicisa México
- o Nicisa Perú
- o Norte Brasil Transmissora de Energia S/A
- o Omega Operação e Manutenção de Linhas de Transmissão S/A
- o Omega Perú Operación y Mantenimiento S.A.
- o Operación y Mantenimiento Uruguay S.A. (Omega)
- o SDI
- o Shariket Tenes Lilmiyah Spa
- o Simosa
- o Simosa IT
- o Simosa IT Uruguay
- o Simosa IT USA
- o Societé d´Eau Désalée d´Agadir
- o Solar Power One
- o Son Rivieren (Pty) Ltd
- o Teyma Abengoa
- o Teyma Concesiones
- o Teyma Construcción
- o Teyma España
- o Teyma Forestal
- o Teyma Gestión Ambiental
- o Teyma India
- o Teyma Internacional, SA.
- o Teyma Sociedad de Inversión
- o Teyma South Africa Private Limited
- o Teyma Zona Franca
- o Transportadora del Norte
- o Transportadora Mar Del Plata
- o Transportadora Rio Coronda S.A.
- o UTE Abeima Agadir
- o UTE Abeima Agadir I
- o UTE Abeima Teyma Barka
- o UTE Abeima Teyma Nungua
- o UTE Abeima Teyma Zapotillo
- o UTE Abener Hassi R´Mel O&M
- o UTE Abener Inabensa Centro Morelos I
- o UTE Abener Inabensa NP Tabasco I A3T
- o UTE Abener Inabensa NP Tabasco II
- o UTE Abener Teyma Atacama II
- o UTE Abener Teyma Cerro Dominador
- o UTE Abener Teyma Emirates I
- o UTE Abener Teyma Helienergy Ecija I
- o UTE Abener Teyma Helienergy Ecija II
- o UTE Abener Teyma Helios Campo de San Juan I
- o UTE Abener Teyma Helios Campo de San Juan II

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- o UTE Abener Teyma Inabensa Atacama I
- o UTE Abener Teyma Inabensa Atacama II PV
- o UTE Abener Teyma Norte III
- o UTE Abener Teyma Paulputis
- o UTE Abener Teyma Paysandú
- o UTE Abener Teyma Solaben I
- o UTE Abener Teyma Solaben VI
- o UTE Abener Teyma Solacor El Carpio I
- o UTE Abener Teyma Solacor El Carpio II
- o UTE Abener Teyma Solar Tabernas
- o UTE Abener Teyma Upington
- o Ute Almería
- o UTE Ashalim - Eucomsa - Abeinsa Engineering
- o UTE Baja California Sur IV
- o UTE Chennai
- o UTE Dead Sea
- o UTE Desaladora Qingdao Construcción
- o UTE Desaladora Tenés Construcción
- o UTE Ghana
- o UTE Inabensa Abencor Chilca-Montalvo
- o UTE Inabensa Abencor- Las Bambas Cotaruse
- o UTE Inabensa Abencor Macchu Picchu Tintaya
- o UTE Inabensa Teyma Eólica del Tala
- o UTE Solaben II
- o UTE Solaben III
- o UTE Ténès
- o UTE Xina
- o XiNa CSP South Africa (Pty) Ltd.
- o Xina Solar One (Pty) Ltd.
- o Zeroemissions
- o Zona Norte Engenharia, Manutenção e Gestão de Serviços SA.

Assets owned by Atlantica Yield and operated by Abengoa:

- o Aguas de Skikda
- o Arizona Solar One LLC
- o ATN
- o ATN 2
- o ATS
- o Cadonal
- o Helienergy Electricidad Dos, S.A.
- o Helienergy Electricidad Uno, S.A.
- o Helios I Hyperion Energy Investments, S.L.
- o Helios II Hyperion Energy Investments, S.L.
- o Kaxu Solar One (Pty) Ltd.
- o Mojave Solar LLC
- o Myah Bahr Honaine, S.P.A.
- o Palmatir
- o Sanlúcar Solar, SA (PS10)
- o Solaben Electricidad Dos, S.A.
- o Solaben Electricidad Seis, S.A.
- o Solaben Electricidad Tres, S.A.
- o Solaben Electricidad Uno, S.A.
- o Solacor Electricidad Dos, S.A.
- o Solacor Electricidad Uno, S.A.
- o Solar Processes, S.A.(PS-20)
- o Solnova Electricidad Cuatro, S.A.

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- o Solnova Electricidad Tres, S.A.
- o Solnova Electricidad, S.A.