



This annex is an integral part of the report: VERIFICACION DE HUELLA DE CARBONO ORGANIZACIONAL

ICONTEC confirms, based on what is stated in Numeral 4.9 – of the norm NTC ISO 14064-3:2006,

1. The objective of this activity was to verify the quantification of GHG emissions inside the facilities of Celsia S.A E.S.P for the following facilities: Thermal Generation: Free Zone ( Barranquilla), Merielectrica (Barrancabermeja) Hydroelectric generation: Hidromontañas, Riopiedras Alto and Bajo Anchicaya, Alto and bajo Tulua, Amaime, Nima I y II, Rio Cali I and II, Calima, Hidroprado, Rio Frio I and II, Rumor, Salvajina and Cucuana. Distribution and commercialization: Celsia administrative headquarters Medellin, cellar ( Borichara, El Azuceno, El espinal). Celsia administrative headquarters Yumbo: Building ( Yumbo, Morro, Recreo, Zarzal, Buenaventura), Palmira warehouse, building CETSA and variant CETSA.
2. The verification criteria were applied in accordance with the provisions of NTC-ISO 14064-3:2006 and the requirements of NTC-ISO 14064-1:2006
3. The scope of the verification is limited to the information and data corresponding direct emissions (Scope 1) and direct emissions by energy (Scope 2) of the activities of CELSIA S.A E.S.P Colombia during the period from 01/01/2016 to 12/31/2016 where the data for the year 2012 are taken as a base period.
4. The level of assurance is reasonable for the information reported and verified in this statement.
5. The verification conducted by ICONTEC is based on information described in the GHG Report INVENTARIO DE GASES DE EFECTO INVERNADERO 2016 by CELSIA S.A E.S.P Centroamérica from which sources were taken, types of GHG and other relevant aspects. Attached to this declaration is the report mentioned in which the chapter "GHG Emissions" indicates the GHG report made by CELSIA S.A E.S.P Colombia.
6. Data and information provided by CELSIA S.A E.S.P Colombia to the verification team are historical in nature and together with the evidences collected during the on-site visit; provide the inputs required to generate the declaration of GHG quantification.
7. The knowledge evidenced against the requirements and guidelines specified for the quantification of GHG inventory by the responsible personnel at CELSIA S.A E.S.P Colombia, endorse the information described in the report and the opinion issued by ICONTEC in this declaration.
8. An on- site visit by ICONTEC, took place at the inside the facilities of Celsia S.A E.S.P for the following facilities: Thermal Generation: Free Zone ( Barranquilla), Merielectrica (Barrancabermeja) Hydroelectric generation: Hidromontañas, Riopiedras Alto and Bajo Anchicaya, Alto and bajo Tulua, Amaime, Nima I y II, Rio Cali I and II, Calima, Hidroprado, Rio Frio I and II, Rumor, Salvajina and Cucuana. Distribution and commercialization: Celsia administrative headquarters Medellin, cellar ( Borichara, El Azuceno, El espinal). Celsia administrative headquarters Yumbo: Building ( Yumbo, Morro, Recreo, Zarzal, Buenaventura), Palmira warehouse, building CETSA and variant CETSA.
9. Through the activities conducted by the audit team according to the audit plan, were gathered the required inputs to generate this GHG declaration for the generation, operation, transmission, distribution and commercialization of energy CELSIA S.A. E.S.P Colombia for the following facilities: Thermal Generation: Free Zone ( Barranquilla), Merielectrica (Barrancabermeja) Hydroelectric generation: Hidromontañas, Riopiedras Alto and Bajo Anchicaya, Alto and bajo Tulua, Amaime, Nima I y II, Rio Cali I and II, Calima, Hidroprado, Rio Frio I and II, Rumor, Salvajina and Cucuana. Distribution and commercialization: Celsia administrative headquarters Medellin, cellar ( Borichara, El Azuceno, El espinal). Celsia administrative headquarters Yumbo: Building ( Yumbo, Morro, Recreo, Zarzal, Buenaventura), Palmira warehouse building CETSA and variant CETSA.

Diana Santos  
Lead Verifier



## DECLARATION OF VERIFICATION OF GREENHOUSE GASES

Report: INVENTARIO DE GASES EFECTO  
INVERNADERO

Date of declaration: November 2015

Awarded to:

**CELSIA S.A E.S.P**  
**Colombia**

Thermal Generation: Free Zone ( Barranquilla), Merielectrica (Barrancabermeja)

Hydroelectric generation: Hidromontañas, Riopiedras Alto and Bajo Anchicaya, Alto and bajo Tulua, Amaime, Nima I y II, Rio Cali I and II, Calima, Hidroprado, Rio Frio I and II, Rumor, Salvajina, Cucuana.

Distribution and commercialization: Celsia administrative headquarters Medellin, cellar ( Borichara, El Azuceno, El espinal). Celsia administrative headquarters Yumbo: Building ( Yumbo, Morro, Recreo, Zarzal, Buenaventura), Palmira warehouse building CETSA and variant CETSA.

### ***Greenhouse Gases Inventory for CELSIA S.A E.S.P***

Period from 01/01/2016 to 31/12/2016

ICONTEC verified according to the norm NTC – ISO 14064-3:2006 that the GHG report presented by CELSIA S.A E.S.P fulfills the requirements set forth the norm NTC – ISO 14064-1:2006; Specification with guidance at the organizational level for the quantification and reporting of direct and indirect emissions and removals of greenhouse gases

And the results obtained were as follows:

**1,525.038 tCO<sub>2</sub>e**

Reported emissions of the other gases: 1.465.889,87 tCO<sub>2</sub>e of carbon dioxide, 4.509,28 tCO<sub>2</sub>e of methane, 1.591,94 tCO<sub>2</sub>e of nitrogen oxide, 733,65 tCO<sub>2</sub>e of hydrofluorocarbons 1.017,41tCO<sub>2</sub>e of Sulfur hexafluoride, 241,11 tCO<sub>2</sub>e of others emissions reported.

The declaration is directed to internal customer of the company and stakeholders.

**Roberto Enrique Montoya Villa**  
**Director Ejecutivo CEO**