



Report on the verification of greenhouse gases emission

Enviromental Management

Organización Terpel

April 2019

1. Verification letter

April 04, 2019

Inventory verification of the 2018 greenhouse gases of Organización Terpel

- Terpel has requested Deloitte the verification of the inventory of greenhouse gases of Colombia installations corresponding to the period from January to December of 2018 year.
- The information was provided by the environmental management department of Terpel and it includes information on business consumption in Colombia, land transportation of people (own company and hired), air transportation and electricity consumption.
- The calculation of emissions was conducted by the staff of Terpel, under the methodology of the WBCSD, WRI. Protocol greenhouse gas GHG Protocol: Standard Corporate Accounting and Reporting. Reviewed edition 2005.
- The process of verification of the greenhouse gas inventory covered the scope 1, scope 2 and scope 3 defined by the organization according to the methodology of the GHG Protocol.
- Air transportation emissions were accounted by the provider of this service (two suppliers for the year 2018); Terpel only took the information reported by these companies.
- The emissions accounted for the period from January to December 2018 correspond to 51.564 tons of CO₂ equivalent.

Methodology

We conducted our work in accordance with **ISAE 3000 - International Standard on Assurance Engagements Other than Audits or Reviews of Historical Financial Information** issued by the International Auditing and Assurance Standards Board (IAASB) of the International Federation of Accounts (IFAC). Note that this verification does not constitute an audit and, accordingly, do not express an audit opinion on this statement.

Our review process considered the official reception of information in addition to verification activities by applying analytical procedures and review testing by sampling described below:

- Meetings with staff members of Terpel.

- Analysis of the organizational boundaries of measuring the carbon footprint, including analysis of scope 1, 2 and 3 associated with the quantification of emissions of greenhouse gases.
- Review of the calculation of the methodology, including the analysis of emission sources.
- Checking through verification testing based on the selection of representative samples of quantitative and qualitative information, the information used in the calculation process associated with the inventory of greenhouse gases.

Conclusions

- There is no evidence in any way that makes us believe that the quantification of carbon footprint has not been prepared in accordance with the methodology of the GHG Protocol and ISO 14064-1.
- There is no evidence in any way that makes us believe that the information provided about the carbon footprint during the period from January 1st, 2018 and December 31st, 2018, contain significant errors.

Responsibilities of Organización Terpel and Deloitte & Touche

- The GHG inventory preparation and the content is the responsibility of Terpel, which is also the responsible for defining, adapting and maintaining management systems and internal control from where information is obtained.
- Our responsibility is to issue an independent report based on our review procedures applied.
- This report has been prepared exclusively on the interest of Terpel, in accordance with the terms established on the letter of commitment.
- The Scope of a Limited security revision is substantially lower than an audit of a reasonable security revision. Therefore, we do not provide an audit opinion about the inventory of the greenhouse gasses.
- We suggest contemplate an action plan to work with the suppliers of the maintenance services of the air conditioning equipment and extinguishers (offices), for the collection of the information on the refrigerant gases and to be able to have the data of those emissions. In addition, it is suggested to define from the beginning with the air transportation provider the procedure for the emission calculation.

Best regards,



Jorge Enrique Múnera Durango
Lead Partner Sustainability

2. Project description

Inventory verification of greenhouse gases

Project	Verification of the corporate carbon footprint of 2018 – Organización Terpel.
Period	January to December of 2018
Organizational Boundaries	<p>The inventory verification of greenhouse gases considers the following organizational boundaries:</p> <ul style="list-style-type: none">• Terpel business operations• Air and land transportation of company workers (own and hired)• Electricity consumption of the different offices and EDS of the company.
Scopes	1, 2, 3
Nivel de Verificación	Limited Verification
Materiality limit	5%

Deloitte did not find any mistake of omission superior of 5% of the reported value on the inventory of greenhouse gases of Organización Terpel.

Now the unbundled emissions of greenhouse gases verified are presented:

Verified emissions	Tons of CO ₂ e
Air transportation of Terpel workers (Provided by third parties)	572
Electric energy consumption	14.235
Land transportation of Terpel workers	2.735
Land transportation hired	33.931
Fire system and diesel power plants	91
Total	51.564

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