



**COMERC** ENERGIA

Report on avoided GHG emissions through the use of electrical energy from renewable, incentivized sources.

# **INTER LINK INTER LINK DO BRASIL**

This report is prepared by Sinerconsult Consultoria Treinamento e Participações Ltda. and COMERC Energia Ltda. shows avoided GHG emissions through the use/consumption of electrical energy from renewable, incentivized sources by INTER LINK - INTER LINK DO BRASIL.

## 1. Background

In 1992, during the 2nd Summit on Environment and Economic Development held in Rio de Janeiro (also known as RIO-92), most nations recognized the seriousness of greenhouse gas emissions and their direct influence on climate change.

Diplomatic negotiations evolved until the 3rd UNFCCC Conference of Parties held in Kyoto, Japan in 1997, when the parties agreed to sign the "Kyoto Protocol" under which they commit to reduce greenhouse gas emissions, based on the principle of common, yet differentiated responsibility (CBDR).

Periodic reports issued by the **IPCC- International Panel of Climate Changes** (scientific body of the United Nations) show mounting evidence of the gravity of the matter. Thus, it is quite likely that developing nations with high CHG emissions, such as India, Brazil and China will have to implement mandatory reduction targets for their GHG emissions.

Brazilian Federal Law no. 12.187/2009 created the National Climate Change Policy (Política Nacional sobre Mudança do Clima - PNMC) and set forth principles, objectives, guidelines and tools as the country's formal commitment to reducing emissions. The Law also establishes that any country-wide measures aiming to address current and future climate change effects must consider and incorporate existing public and private actions undertaken at state and municipal levels. As part of this effort, some Brazilian states have passed laws expressing their voluntary commitment to reducing greenhouse gas emissions, such as São Paulo State Law no. 13.798/2009.

## 2. Objective

This report calculates the GHG emissions that have been avoided by INTER LINK - INTER LINK DO BRASIL in its use/consumption of energy through the use of electrical energy from renewable, incentivized sources ("GHG Emissions Avoided").

## 3. Metodology

The calculations herein followed the procedures described in the **GHG Protocol Corporate Standard** published by **The Greenhouse Gas Protocol Initiative**. Such procedures set in 2001 are widely accepted and have been used by corporations, NGOs and governments around the world to calculate greenhouse gas emissions. The methodology used in our calculations was developed by the **WRI - World Resources Institute**.

When relevant and necessary, we have also used official data published by the Brazilian **Designated National Authority - AND** by the **Interministerial Committee on Climate Change (Comissão Interministerial de Mudança Global do Clima - CIMGC)**, created by Presidential Decree published on July 7, 1999, or other recognized reference sources such as the United States Environmental Protection Agency - EPA..

The accounting period for Avoided GHG Emissions starts in January 2009, the date from which the Trading Rules and Procedures established by the Electric Power Trading Chamber (CCEE) give visibility to the sources of electricity from zero-emission, incentivized sources, as defined by the Brazilian electricity sector (discount matrix). The methodology adopted detects "leaks" caused by purchasing electricity from non-incentivized sources.

## 4. Results

The results presented in this document cover the period January to December 2017 and may be updated from time to time as more information becomes available regarding the deployment of thermal plants within the National Interconnected System (SIN).

For the above period Jan-Dec 2017, INTER LINK - INTER LINK DO BRASIL reduced 106,633 T CO<sub>2</sub>eq.

The emissions avoided voluntarily are equivalent to planting 746 trees in a 30-year reforestation project.

Sinerconsult Consultoria Treinamento e Participações Ltda. and COMERC Energia Ltda. hereby certify that the results in this Report comply with the GHG Protocol Corporate Standard principles of Relevance, Completeness, Consistency, Accuracy and Transparency.

The parameters and indicators used in the present methodology to calculate Avoided GHG Emissions have been defined in the GHG Protocol Corporate Standard published by The Greenhouse Gas Protocol Initiative and by other possible sources, which are responsible for their respective parameters and indicators.

Sinerconsult Consultoria Treinamento e Participações Ltda. is responsible for the calculations made and volumes found, while Comerc Energia Ltda. is responsible for all data pertaining to renewable, incentivized sources that have sold the electricity used/consumed by INTER LINK - INTER LINK DO BRASIL.

References - Equivalente Econômico : [www.pointcarbon.com](http://www.pointcarbon.com)

Factors of CO2 Emissions :

[www.mctic.gov.br/mctic/opencms/ciencia/SEPED/clima/textogeral/emissao\\_corporativos.html](http://www.mctic.gov.br/mctic/opencms/ciencia/SEPED/clima/textogeral/emissao_corporativos.html)

Equivalents were calculated using the parameters of the MDL Project (Clean Development Mechanism) for Reforestation in the State of São Paulo implemented by AES Tietê, under no. 271/2010, available at:

[www.mctic.gov.br/mctic/opencms/ciencia/SEPED/clima/mecanismo\\_de\\_desenvolvimento\\_limpo/submetidos/aprovados\\_termos\\_resolucao\\_1/aprovados\\_2010](http://www.mctic.gov.br/mctic/opencms/ciencia/SEPED/clima/mecanismo_de_desenvolvimento_limpo/submetidos/aprovados_termos_resolucao_1/aprovados_2010)



SINERCONSULT Sinergia em Soluções

(11) 3399-2444

[www.sinerconsult.com.br](http://www.sinerconsult.com.br)

**COMERC** ENERGIA

COMERC Energia

(11) 3508-3688

[www.comerc.com.br](http://www.comerc.com.br)