



Ministry of
Energy and Mines

Issued: November 2013
Revised: July 2016

Renewable and Low Carbon Fuel Requirements Regulation

Approved Version of GHGenius

Information Bulletin RLCF-011

The Renewable and Low Carbon Fuel Requirements Regulation (the Regulation) requires that the carbon intensities for the components of a fuel's lifecycle must be calculated using an "approved GHGenius".

Section 11.06 of the Regulation provides the Director with the authority to approve the version of GHGenius used to calculate the carbon intensity of a fuel for a given compliance period.

For determining the carbon intensity of all fuels supplied up to and including December 31, 2014, the approved GHGenius is GHGenius version 4.01b.

For determining the carbon intensity of all fuels supplied starting January 1, 2015 and onwards, the approved GHGenius will be GHGenius version 4.03.

GHGenius 4.03 contains significant improvements in the quality of data for the emissions from palm oil feedstock. Improved data from a U.S. EPA study of the palm oil industry as well as new data from the palm oil industry in Malaysia and Indonesia have caused significant changes in the carbon intensity of fuels made from undifferentiated palm oil.

Also, a review of the carbon intensity for hydroelectricity has determined that there is a higher volume of emissions emitted from hydroelectric reservoirs than previously calculated, resulting in an increase in the carbon intensity of electricity in British Columbia.

The Regulation adopts the Intergovernmental Panel on Climate Change (IPCC) global warming potentials (GWP) for greenhouse gas emissions by reference to the Carbon Neutral Government Regulation. The Carbon Neutral Government Regulation is expected to be updated to adopt the IPCC 2007 GWPs values as of January 1, 2015. Therefore, the Ministry will require the use of the IPCC 2007 GWP values when calculating the carbon intensity of a fuel.

For determining the carbon intensity of all fuels supplied up to December 31, 2014, IPCC 1995 GWP values should be used. For all fuels supplied after January 1, 2015, IPCC 2007 GWP values should be used.

PLEASE NOTE: Any supplier who supplies fuel that has an approved carbon intensity posted on the Ministry's website must use the posted carbon intensity.

Need more information?

Please see the Renewable and Low Carbon Fuel website at: www.gov.bc.ca/lowcarbonfuels or email us at lcfr@gov.bc.ca

This information is for your convenience and guidance only, and does not replace or constitute a legal interpretation of the legislation. The *Greenhouse Gas Reduction (Renewable and Low Carbon Fuel Requirements) Act* and the Renewable and Low Carbon Fuel Requirements Regulation can be found on the Internet at: <http://www.bclaws.ca>