



**Ministry of
Energy and Mines**

*Issued: July 2013
Revised: August 2015*

Renewable and Low Carbon Fuel Requirements Regulation

Approved Carbon Intensities

Information Bulletin RLCF-012

This table contains carbon intensities for fuels that have been approved by the Director under section 6 (6) of the *Greenhouse Gas Reduction (Renewable and Low Carbon Fuel Requirements) Act*.

Transportation fuel producers who wish to have a fuel carbon intensity approved for posting and use in British Columbia must apply to the Director. For information regarding the process for applying, see Information Bulletin RLCF-008 – Carbon Intensity Approvals.

Fuel Code	Fuel	Company	Carbon Intensity (gCO₂e/MJ)	Effective Date	Expiry Date
BCLCF101	HDRD	Neste Oil Singapore	8.61	Mar 28, 2013	Dec 31, 2013
			18.16	Jan 1, 2014	Dec 31, 2016
BCLCF102	HDRD	Neste Oil Singapore	34.81	Mar 28, 2013	Dec 31, 2013
			35.89	Jan 1, 2014	Dec 31, 2016
BCLCF103	HDRD	Neste Oil Singapore	37.90	Mar 28, 2013	Dec 31, 2013
			36.50	Jan 1, 2014	Dec 31, 2016
BCLCF104	HDRD	Neste Oil Singapore	48.78	Mar 28, 2013	Dec 31, 2013
			54.74	Jan 1, 2014	Dec 31, 2014
			94.58	Jan 1, 2015	Dec 31, 2017
BCLCF105	HDRD	Neste Oil Singapore	31.77	Mar 28, 2013	Dec 31, 2013
BCLCF106	HDRD	Neste Renewable Fuels (Finland)	52.73	Mar 28, 2013	Dec 31, 2013
BCLCF107	HDRD	Neste Renewable Fuels (Finland)	35.72	Mar 28, 2013	Dec 31, 2013
BCLCF108	HDRD	Neste Renewable Fuels (Finland)	63.66	Mar 28, 2013	Dec 31, 2013
BCLCF109	HDRD	Neste Renewable Fuels (Finland)	3.64	Mar 28, 2013	Dec 31, 2013
			36.70	Jan 1, 2014	Dec 31, 2016
BCLCF110	Ethanol	Growing Power Hairy Hill LP	-4.23	Mar 28, 2013	May 31, 2014
			-2.77	June 1, 2014	May 31, 2017
BCLCF111	Ethanol	Growing Power Hairy Hill LP	-0.09	May 10, 2013	May 31, 2014
			1.99	June 1, 2014	May 31, 2017
BCLCF112	Ethanol	Growing Power Hairy Hill LP	0.93	May 10, 2013	May 31, 2014
BCLCF113	Ethanol	Growing Power Hairy Hill LP	4.86	May 10, 2013	May 31, 2014
BCLCF114	Ethanol	Growing Power Hairy Hill LP	20.50	May 10, 2013	May 31, 2014
			20.51	June 1, 2014	May 31, 2015



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BCLCF115	Ethanol	Growing Power Hairy Hill LP	24.44	May 10, 2013	May 31, 2014
			25.26	June 1, 2014	May 31, 2015
BCLCF116	Ethanol	Growing Power Hairy Hill LP	21.50	May 10, 2013	May 31, 2014
BCLCF117	Ethanol	Growing Power Hairy Hill LP	25.43	May 10, 2013	May 31, 2014
BCLCF118	Ethanol	Growing Power Hairy Hill LP	-0.81	May 10, 2013	May 31, 2014
BCLCF119	Ethanol	Growing Power Hairy Hill LP	3.13	May 10, 2013	May 31, 2014
BCLCF120	Ethanol	Bushmills Ethanol Inc.	53.40	June 14, 2013	June 13, 2016
BCLCF121	Ethanol	Blue Flint Ethanol LLC	42.75	June 14, 2013	June 13, 2016
BCLCF122	Biodiesel	Ag Processing Inc.	32.04	June 14, 2013	June 13, 2016
BCLCF123	Biodiesel	Ag Processing Inc.	15.38	June 14, 2013	June 13, 2016
BCLCF124	Biodiesel	Ag Processing Inc.	15.79	June 14, 2013	June 13, 2016
BCLCF125	Biodiesel	Archer Daniel Midland Company	26.72	July 1, 2013	June 30, 2016
BCLCF126	Biodiesel	Archer Daniel Midland Company	37.81	July 1, 2013	June 30, 2016
BCLCF127	Biodiesel	Archer Daniel Midland Company	38.14	July 1, 2013	June 30, 2016
BCLCF128	Biodiesel	Archer Daniel Midland Company	37.68	July 1, 2013	June 30, 2016
BCLCF129	Biodiesel	Archer Daniel Midland Company	35.68	July 1, 2013	June 30, 2016
BCLCF130	Ethanol	Plymouth Energy LLC	59.38	July 16, 2013	July 15, 2016
BCLCF131	Ethanol	Glacial Lakes Energy LLC	53.51	Aug 13, 2013	Aug 12, 2016
BCLCF132	HDRD	Diamond Green Diesel LLC	26.28	Aug 7, 2013	Sept 30, 2014
			23.47	Oct 1, 2014	Sept 30, 2017
BCLCF133	HDRD	Diamond Green Diesel LLC	11.18	Aug 7, 2013	Sept 30, 2014
			13.70	Oct 1, 2014	Sept 30, 2017
BCLCF134	HDRD	Diamond Green Diesel LLC	21.51	Aug 7, 2013	Sept 30, 2014
			24.28	Oct 1, 2014	Sept 30, 2017
BCLCF135	Biodiesel	Imperium Grays Harbor LLC	28.35	July 25, 2013	Mar 12, 2014
			12.35	Mar 13, 2014	Mar 12, 2017
BCLCF136	Ethanol	Permolex Ltd	32.88	Sept 3, 2013	Sept 2, 2016
BCLCF137	Ethanol	Terra Grain Fuels Inc	57.17	June 26, 2013	June 30, 2014
BCLCF138	Biodiesel	Archer Daniel Midland Company	20.25	Sept 25, 2013	Feb 28, 2015



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BCLCF139	Biodiesel	Milligan Biofuels	21.92	Sept 30, 2013	Sept 29, 2016
BCLCF140	Ethanol	Denco II LLC	62.50	Sept 27, 2013	Sept 26, 2016
BCLCF141	Ethanol	Heartland Corn Products	53.34	Oct 8, 2013	Oct 7, 2016
BCLCF142	Ethanol	Green Plains Superior LLC	52.82	Oct 23, 2013	Oct 22, 2016
BCLCF143	Ethanol	Green Plains Otter Trail LLC	58.58	Oct 23, 2013	Oct 22, 2016
BCLCF144	HDRD	Neste Renewable Fuels (Finland)	52.45	Oct 30, 2013	Oct 29, 2016
BCLCF145	HDRD	Neste Renewable Fuels (Finland)	34.20	Oct 30, 2013	Oct 29, 2016
BCLCF146	HDRD	Neste Oil Singapore	18.22	Nov 12, 2013	Nov 11, 2016
BCLCF147	Ethanol	ACE Ethanol LLC	58.62	Nov 22, 2013	Nov 21, 2016
BCLCF148	HDRD	Neste Oil Singapore	57.63	Nov 12, 2013	Nov 11, 2014
BCLCF149	Ethanol	Chippewa Valley Ethanol Company	59.04	Nov 22, 2013	Nov 21, 2016
BCLCF150	Biodiesel	REG Mason City LLC	29.77	Feb 14, 2014	Dec 31, 2014
			19.73	Jan 1, 2014	Dec 31, 2017
BCLCF151	Ethanol	Red River Energy LLC	62.80	Feb 12, 2014	Feb 12, 2017
BCLCF152	Biodiesel	Kyoto Fuels Corporation	28.41	Feb 20, 2014	April 30, 2015
BCLCF153	Ethanol	Marquis Energy Wisconsin LLC	52.43	Mar 26, 2014	Mar 25, 2017
BCLCF154	Biodiesel	REG Albert Lea LLC	15.47	Nov 27, 2013	June 30, 2014
BCLCF155	Biodiesel	REG Albert Lea LLC	7.09	Nov 27, 2013	June 30, 2014
BCLCF156	Biodiesel	REG Ralston LLC	38.32	Nov 27, 2013	Nov 26, 2016
BCLCF157	Biodiesel	REG Seneca LLC	24.94	Nov 27, 2013	Nov 26, 2016
BCLCF158	Biodiesel	REG Seneca LLC	4.10	Nov 27, 2013	Nov 26, 2016
BCLCF159	Ethanol	Marquis Energy LLC	53.71	Apr 2, 2014	Apr 1, 2017
BCLCF160	Biodiesel	Imperium Grays Harbor LLC	10.10	Mar 13, 2014	Mar 12, 2017
BCLCF161	Biodiesel	Imperium Grays Harbor LLC	13.28	Mar 13, 2014	Mar 12, 2017
BCLCF162	Ethanol	Growing Power Hairy Hill LP	36.77	May 6, 2014	May 5, 2017
BCLCF163	Ethanol	Growing Power Hairy Hill LP	25.18	May 6, 2014	May 5, 2017
BCLCF164	Ethanol	Growing Power Hairy Hill LP	32.02	May 6, 2014	May 5, 2017
BCLCF165	Ethanol	Growing Power Hairy Hill LP	20.43	May 6, 2014	May 5, 2017
BCLCF166	Ethanol	Growing Power Hairy Hill LP	60.04	May 6, 2014	May 5, 2015



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BCLCF167	Ethanol	Growing Power Hairy Hill LP	48.46	May 6, 2014	May 5, 2015
BCLCF168	Ethanol	Growing Power Hairy Hill LP	55.30	May 6, 2014	May 5, 2015
BCLCF169	Ethanol	Growing Power Hairy Hill LP	43.71	May 6, 2014	May 5, 2015
BCLCF170	Ethanol	Husky Energy	45.11	May 1, 2014	April 30, 2017
BCLCF171	Ethanol	Husky Energy	11.03	May 1, 2014	April 30, 2017
BCLCF172	Ethanol	Husky Energy	61.17	May 1, 2014	April 30, 2017
BCLCF173	Ethanol	Husky Energy	27.09	May 1, 2014	April 30, 2017
BCLCF174	Ethanol	Husky Energy	65.81	May 1, 2014	April 30, 2017
BCLCF175	Ethanol	Husky Energy	31.73	May 1, 2014	April 30, 2017
BCLCF176	Ethanol	Husky Energy	70.36	May 1, 2014	April 30, 2017
BCLCF177	Ethanol	Husky Energy	35.56	May 1, 2014	April 30, 2017
BCLCF178	Ethanol	Husky Energy	44.03	May 1, 2014	April 30, 2017
BCLCF179	Ethanol	Husky Energy	49.76	May 1, 2014	April 30, 2017
BCLCF180	Ethanol	Husky Energy	62.56	May 1, 2014	April 30, 2017
BCLCF181	Ethanol	Maple Biocombustibles	33.31	June 2, 2014	June 1, 2017
BCLCF182	Ethanol	Green Plains Shenandoah	50.30	June 5, 2014	June 4, 2017
BCLCF183	Ethanol	Terra Grain Fuels	64.17	June 17, 2014	June 16, 2017
BCLCF184	Ethanol	Terra Grain Fuels	51.22	June 17, 2014	June 16, 2017
BCLCF185	Ethanol	Big River Resources	52.45	June 18, 2014	June 17, 2017
BCLCF186	Biodiesel	REG Albert Lea	15.36	June 30, 2014	June 29, 2017
BCLCF187	Biodiesel	REG Albert Lea	-0.05	June 30, 2014	June 29, 2017
BCLCF188	Biodiesel	REG Albert Lea	5.29	June 30, 2014	June 29, 2017
BCLCF189	Biodiesel	REG Albert Lea	7.55	June 30, 2014	June 29, 2017
BCLCF190	Ethanol	Trestle Energy	29.68	Oct 15, 2014	Oct 14, 2015
BCLCF191	Ethanol	Trestle Energy	35.66	Oct 15, 2014	Oct 14, 2015
BCLCF192	Ethanol	Trestle Energy	29.10	Oct 15, 2014	Oct 14, 2015
BCLCF193	Ethanol	Mid Missouri Energy LLC	52.86	Nov 18, 2014	Nov 17, 2017
BCLCF194	HDRD	REG Geismar	6.85	Nov 24, 2014	Nov 23, 2015
BCLCF195	HDRD	REG Geismar	18.52	Nov 24, 2014	Nov 23, 2015



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BCLCF196	HDRD	REG Geismar	21.95	Nov 24, 2014	Nov 23, 2015
BCLCF197	HDRD	REG Geismar	19.59	Nov 24, 2014	Nov 23, 2015
BCLCF198	HDRD	REG Geismar	27.43	Nov 24, 2014	Nov 23, 2015
BCLCF199	Biodiesel	REG Mason City LLC	9.54	Jan 1, 2015	Dec 31, 2017
BCLCF200	Biodiesel	REG Mason City LLC	18.45	Jan 1, 2015	Dec 31, 2017
BCLCF201	Biodiesel	REG Mason City LLC	25.01	Jan 1, 2015	Dec 31, 2017
BCLCF202	Biodiesel	REG Mason City LLC	16.12	Jan 1, 2015	Dec 31, 2017
BCLCF203	Biodiesel	REG Mason City LLC	20.46	Jan 1, 2015	Dec 31, 2017
BCLCF204	Biodiesel	REG Mason City LLC	16.14	Jan 1, 2015	Dec 31, 2017
BCLCF205	Ethanol	AltEn, LLC	56.11	Jan 9, 2015	Jan 8, 2016
BCLCF206	Ethanol	AltEn, LLC	31.44	Jan 9, 2015	Jan 8, 2016
BCLCF207	Ethanol	AltEn, LLC	46.02	Jan 9, 2015	Jan 8, 2016
BCLCF208	Ethanol	AltEn, LLC	21.36	Jan 9, 2015	Jan 8, 2016
BCLCF209	Ethanol	Murex	46.86	May 1, 2015	April 30, 2018
BCLCF210	HDRD	Neste Oil Singapore	48.73	Jan 1, 2015	Dec 31, 2017
BCLCF211	HDRD	Neste Oil Singapore	76.45	Jan 1, 2015	Dec 31, 2017
BCLCF212	HDRD	Neste Oil Singapore	30.60	Jan 1, 2015	Dec 31, 2017
BCLCF213	Biodiesel	T6 Industrial S.A.	14.40	Apr 21, 2015	Apr 20, 2018
BCLCF214	Biodiesel	SK Chemicals Co. Ltd.	98.96	Apr 14, 2015	Apr 13, 2018
BCLCF215	Biodiesel	SK Chemicals Co. Ltd.	16.85	Apr 14, 2015	Apr 13, 2018
BCLCF216	Biodiesel	SK Chemicals Co. Ltd.	16.23	Apr 14, 2015	Apr 13, 2018
BCLCF217	Biodiesel	BIOX Canada Ltd.	17.08	May 26, 2015	May 25, 2018
BCLCF218	Biodiesel	BIOX Canada Ltd.	28.92	May 26, 2015	May 25, 2018
BCLCF219	Biodiesel	BIOX Canada Ltd.	18.19	May 26, 2015	May 25, 2018
BCLCF220	Biodiesel	BIOX Canada Ltd.	0.16	May 26, 2015	May 25, 2018
BCLCF221	Biodiesel	BIOX Canada Ltd.	-15.74	May 26, 2015	May 25, 2018



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Need more information?

Please see the Renewable and Low Carbon Fuel website at <http://www.empr.gov.bc.ca/RET/RLCFRR/Pages/default.aspx> or email us at lcfr@gov.bc.ca

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>.