	<b>Ministry of Energy, Mines and Low Carbon Innovation</b>	Low Carbon Fuels Act  <b>Approved Carbon Intensities – Archive</b>  <b>Information Bulletin RLCF-012a</b>
	<i>Issued: July 2013 Revised: June 5, 2024</i>	

This table contains carbon intensities for fuels that have been approved by the director under section 20 (1) of the *Low Carbon Fuels Act*.

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 our [Low Carbon Fuel webpage](#).

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF101.0	HDRD	Neste Oil Singapore	8.61	Mar. 28, 2013	Dec. 31, 2013
BCLCF101.1	HDRD	Neste Oil Singapore	18.16	Jan. 1, 2014	Sept. 6, 2016
BCLCF101.2	HDRD	Neste Oil Singapore	17.10	Sept. 7, 2016	Dec. 31, 2017
BCLCF101.3	HDRD	Neste Oil Singapore	17.92	Jan. 1, 2018	Nov. 8, 2020
BCLCF101.4	HDRD	Neste Oil Singapore	17.75	Nov. 9, 2020	Nov. 8, 2023
BCLCF102.0	HDRD	Neste Oil Singapore	34.81	Mar. 28, 2013	Dec. 31, 2013
BCLCF102.1	HDRD	Neste Oil Singapore	35.89	Jan. 1, 2014	Sept. 6, 2016
BCLCF102.2	HDRD	Neste Oil Singapore	27.04	Sept. 7, 2016	Dec. 31, 2017
BCLCF102.3	HDRD	Neste Oil Singapore	26.49	Jan. 1, 2018	Nov. 8, 2020
BCLCF102.4	HDRD	Neste Oil Singapore	29.65	Nov. 9, 2020	Nov. 8, 2023
BCLCF103.0	HDRD	Neste Oil Singapore	37.90	Mar. 28, 2013	Dec. 31, 2013
BCLCF103.1	HDRD	Neste Oil Singapore	36.50	Jan. 1, 2014	Sept. 6, 2016
BCLCF103.2	HDRD	Neste Oil Singapore	34.85	Sept. 7, 2016	Dec. 31, 2017
BCLCF103.3	HDRD	Neste Oil Singapore	35.45	Jan. 1, 2018	Nov. 8, 2020
BCLCF103.4	HDRD	Neste Oil Singapore	38.49	Nov. 9, 2020	Nov. 8, 2023
BCLCF104.0	HDRD	Neste Oil Singapore	48.78	Mar. 28, 2013	Dec. 31, 2013
BCLCF104.1	HDRD	Neste Oil Singapore	54.74	Jan. 1, 2014	Dec. 31, 2014
BCLCF104.2	HDRD	Neste Oil Singapore	94.58	Jan. 1, 2015	Dec. 31, 2017



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF104.3	HDRD	Neste Oil Singapore	93.28	Jan. 1, 2018	Dec. 31, 2020
BCLCF105.0	HDRD	Neste Oil Singapore	31.77	Mar. 28, 2013	Dec. 31, 2013
BCLCF106.0	HDRD	Neste Renewable Fuels (Finland)	52.73	Mar. 28, 2013	Dec. 31, 2013
BCLCF107.0	HDRD	Neste Renewable Fuels (Finland)	35.72	Mar. 28, 2013	Dec. 31, 2013
BCLCF108.0	HDRD	Neste Renewable Fuels (Finland)	63.66	Mar. 28, 2013	Dec. 31, 2013
BCLCF109.0	HDRD	Neste Renewable Fuels (Finland)	3.64	Mar. 28, 2013	Dec. 31, 2013
BCLCF109.1	HDRD	Neste Renewable Fuels (Finland)	36.70	Jan. 1, 2014	Dec. 31, 2016
BCLCF110.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	-4.23	Mar. 28, 2013	May 31, 2014
BCLCF110.1	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	-2.77	June 1, 2014	Jan. 18, 2017
BCLCF110.2	Ethanol	Future Fuel Ltd.	-2.77	Jan. 19, 2017	May 5, 2017
BCLCF111.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	-0.09	May 10, 2013	May 31, 2014
BCLCF111.1	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	1.99	June 1, 2014	Jan. 18, 2017
BCLCF111.2	Ethanol	Future Fuel Ltd.	1.99	Jan. 19, 2017	May 5, 2017
BCLCF112.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	0.93	May 10, 2013	May 31, 2014
BCLCF113.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	4.86	May 10, 2013	May 31, 2014
BCLCF114.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	20.50	May 10, 2013	May 31, 2014
BCLCF114.1	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	20.51	June 1, 2014	May 31, 2015



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF115.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	24.44	May 10, 2013	May 31, 2014
BCLCF115.1	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	25.26	June 1, 2014	May 31, 2015
BCLCF116.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	21.50	May 10, 2013	May 31, 2014
BCLCF117.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	25.43	May 10, 2013	May 31, 2014
BCLCF118.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	-0.81	May 10, 2013	May 31, 2014
BCLCF119.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	3.13	May 10, 2013	May 31, 2014
BCLCF120.0	Ethanol	Bushmills Ethanol Inc.	53.40	June 14, 2013	June 13, 2016
BCLCF121.0	Ethanol	Blue Flint Ethanol LLC	42.75	June 14, 2013	June 13, 2016
BCLCF121.1	Ethanol	Blue Flint Ethanol LLC	39.03	June 14, 2016	Apr. 17, 2019
BCLCF121.2	Ethanol	Blue Flint Ethanol LLC	37.69	Apr. 18, 2019	Apr. 12, 2022
BCLCF121.3	Ethanol	Blue Flint Ethanol	37.54	Apr. 13, 2022	Dec. 31, 2023
BCLCF122.0	Biodiesel	Ag Processing Inc.	32.04	June 14, 2013	Mar. 21, 2016
BCLCF122.1	Biodiesel	Ag Processing Inc.	7.91	Mar. 22, 2016	Mar. 21, 2019
BCLCF122.2	Biodiesel	Ag Processing Inc.	5.95	Mar. 22, 2019	Mar. 14, 2022
BCLCF122.3	Biodiesel	Ag Processing Inc.	6.12	Mar. 15, 2022	Dec. 31, 2023
BCLCF122.4	Biodiesel	Ag Processing Inc.	2.25	Feb. 12, 2024	Feb. 11, 2027
BCLCF123.0	Biodiesel	Ag Processing Inc.	15.38	June 14, 2013	Mar. 21, 2016
BCLCF123.1	Biodiesel	Ag Processing Inc.	2.07	Mar. 22, 2016	Mar. 21, 2019



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF123.2	Biodiesel	Ag Processing Inc.	3.75	Mar. 22, 2019	Mar. 14, 2022
BCLCF123.3	Biodiesel	Ag Processing Inc.	6.27	Mar. 15, 2022	Dec. 31, 2023
BCLCF124.0	Biodiesel	Ag Processing Inc.	15.79	June 14, 2013	Mar. 21, 2016
BCLCF124.1	Biodiesel	Ag Processing Inc.	1.96	Mar. 22, 2016	Mar. 21, 2019
BCLCF124.2	Biodiesel	Ag Processing Inc.	0.84	Mar. 22, 2019	Mar. 14, 2022
BCLCF124.3	Biodiesel	Ag Processing Inc.	5.04	Mar. 15, 2022	Dec. 31, 2023
BCLCF125.0	Biodiesel	Archer Daniels Midland Company	26.72	July 1, 2013	May 19, 2016
BCLCF125.1	Biodiesel	Archer Daniels Midland Company	9.61	May 20, 2016	May 15, 2019
BCLCF125.2	Biodiesel	Archer Daniels Midland Company	4.09	May 16, 2019	May 1, 2022
BCLCF125.3	Biodiesel	Archer Daniels Midland Company	0.78	May 2, 2022	Dec. 31, 2023
BCLCF125.4	Biodiesel	Archer Daniels Midland Company	-2.14	Jan. 1, 2024	Dec. 31, 2026
BCLCF126.0	Biodiesel	Archer Daniels Midland Company	37.81	July 1, 2013	May 19, 2016
BCLCF126.1	Biodiesel	Archer Daniels Midland Company	14.56	May 20, 2016	May 15, 2019
BCLCF126.2	Biodiesel	Archer Daniels Midland Company	8.93	May 16, 2019	May 1, 2022
BCLCF126.3	Biodiesel	Archer Daniels Midland Company	6.10	May 2, 2022	Dec. 31, 2023
BCLCF126.4	Biodiesel	Archer Daniels Midland Company	2.82	Jan. 1, 2024	Dec. 31, 2026
BCLCF127.0	Biodiesel	Archer Daniels Midland Company	38.14	July 1, 2013	May 19, 2016
BCLCF127.1	Biodiesel	Archer Daniels Midland Company	20.04	May 20, 2016	May 15, 2019
BCLCF127.2	Biodiesel	Archer Daniels Midland Company	13.59	May 16, 2019	May 1, 2022
BCLCF127.3	Biodiesel	Archer Daniels Midland Company	11.15	May 2, 2022	Dec. 31, 2023
BCLCF127.4	Biodiesel	Archer Daniels Midland Company	10.50	Jan. 1, 2024	Dec. 31, 2026



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF128.0	Biodiesel	Deerfield Energy LLC (formerly Archer Daniels Midland Company)	37.68	July 1, 2013	June 20, 2016
BCLCF128.1	Biodiesel	Deerfield Energy LLC	13.83	June 21, 2016	May 15, 2019
BCLCF128.2	Biodiesel	Archer Daniels Midland Company (formerly Deerfield Energy LLC)	11.80	May 16, 2019	May 15, 2022
BCLCF129.0	Biodiesel	Mid-America Biofuels LLC (formerly Archer Daniels Midland Company)	35.68	July 1, 2013	June 20, 2016
BCLCF129.1	Biodiesel	Mid-America Biofuels LLC	13.24	June 21, 2016	May 28, 2019
BCLCF129.2	Biodiesel	Mid-America Biofuels LLC	11.41	May 29, 2019	May 28, 2022
BCLCF130.0	Ethanol	Plymouth Energy LLC	59.38	July 16, 2013	July 15, 2016
BCLCF131.0	Ethanol	Glacial Lakes Energy LLC	53.51	Aug. 13, 2013	July 28, 2016
BCLCF131.1	Ethanol	Glacial Lakes Energy LLC	54.78	July 29, 2016	July 25, 2019
BCLCF131.2	Ethanol	Glacial Lakes Energy LLC	52.78	July 26, 2019	July 25, 2022
BCLCF131.3	Ethanol	Glacial Lakes Energy LLC	46.75	Jan. 26, 2023	Jan. 25, 2024
BCLCF132.0	HDRD	Diamond Green Diesel LLC	26.28	Aug. 7, 2013	Sept. 30, 2014
BCLCF132.1	HDRD	Diamond Green Diesel LLC	23.47	Oct. 1, 2014	Aug. 13, 2017
BCLCF132.2	HDRD	Diamond Green Diesel LLC	17.03	Aug. 14, 2017	May 12, 2020
BCLCF132.3	HDRD	Diamond Green Diesel LLC	21.76	May 13, 2020	Dec 28, 2022
BCLCF132.4	HDRD	Diamond Green Diesel LLC	24.72	Dec 29, 2022	June 29, 2024
BCLCF133.0	HDRD	Diamond Green Diesel LLC	11.18	Aug. 7, 2013	Sept. 30, 2014
BCLCF133.1	HDRD	Diamond Green Diesel LLC	13.70	Oct. 1, 2014	Aug. 13, 2017
BCLCF133.2	HDRD	Diamond Green Diesel LLC	9.13	Aug. 14, 2017	May 12, 2020
BCLCF133.3	HDRD	Diamond Green Diesel LLC	14.42	May 13, 2020	Dec 28, 2022



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF133.4	HDRD	Diamond Green Diesel LLC	17.65	Dec 29, 2022	June 29, 2024
BCLCF134.0	HDRD	Diamond Green Diesel LLC	21.51	Aug. 7, 2013	Sept. 30, 2014
BCLCF134.1	HDRD	Diamond Green Diesel LLC	24.28	Oct. 1, 2014	Aug. 13, 2017
BCLCF134.2	HDRD	Diamond Green Diesel LLC	19.48	Aug. 14, 2017	May 12, 2020
BCLCF134.3	HDRD	Diamond Green Diesel LLC	25.45	May 13, 2020	Dec 28, 2022
BCLCF134.4	HDRD	Diamond Green Diesel LLC	28.63	Dec 29, 2022	June 29, 2024
BCLCF135.0	Biodiesel	REG Grays Harbor LLC (formerly Imperium Grays Harbor LLC)	28.35	July 25, 2013	Mar. 12, 2014
BCLCF135.1	Biodiesel	REG Grays Harbor LLC (formerly Imperium Grays Harbor LLC)	12.35	Mar. 13, 2014	Aug. 19, 2015
BCLCF135.2	Biodiesel	REG Grays Harbor LLC	12.35	Aug. 20, 2015	Mar. 12, 2017
BCLCF135.3	Biodiesel	REG Grays Harbor LLC	3.58	Mar. 13, 2017	Jan. 14, 2020
BCLCF135.4	Biodiesel	REG Grays Harbor LLC	1.64	Jan. 15, 2020	Dec 30, 2022
BCLCF135.5	Biodiesel	REG Grays Harbor LLC	2.12	Dec 31, 2022	June 30, 2024
BCLCF136.0	Ethanol	Permolex Ltd.	32.88	Sept. 3, 2013	Sept. 2, 2016
BCLCF137.0	Ethanol	Terra Grain Fuels Inc.	57.17	June 26, 2013	June 30, 2014
BCLCF138.0	Biodiesel	ADM Agri-Industries Company (formerly Archer Daniels Midland Company)	20.25	Sept. 25, 2013	Feb. 28, 2015
BCLCF138.1	Biodiesel	ADM Agri-Industries Company (formerly Archer Daniels Midland Company)	6.93	Mar. 1, 2015	Feb. 11, 2018
BCLCF138.2	Biodiesel	ADM Agri-Industries Company	7.97	Feb. 12, 2018	May 29, 2019
BCLCF138.3	Biodiesel	ADM Agri-Industries Company	7.40	May 30, 2019	Apr. 30, 2022
BCLCF138.4	Biodiesel	ADM Agri-Industries Company	5.15	May 1, 2022	Dec. 31, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF138.5	Biodiesel	ADM Agri-Industries Company	4.26	Jan. 1, 2024	Dec. 31, 2026
BCLCF139.0	Biodiesel	Milligan Biofuels	21.92	Sept. 30, 2013	Sept. 29, 2016
BCLCF140.0	Ethanol	DENCO II, LLC	62.50	Sept. 27, 2013	Mar. 17, 2016
BCLCF140.1	Ethanol	DENCO II, LLC	54.17	Mar. 18, 2016	Jan. 29, 2017
BCLCF140.2	Ethanol	DENCO II, LLC	52.50	Jan. 30, 2017	Dec. 9, 2019
BCLCF140.3	Ethanol	DENCO II, LLC	51.71	Dec. 10, 2019	Dec. 9, 2022
BCLCF141.0	Ethanol	Heartland Corn Products	53.34	Oct. 8, 2013	Oct. 7, 2016
BCLCF141.1	Ethanol	Heartland Corn Products	50.08	Oct. 14, 2016	Oct. 13, 2019
BCLCF142.0	Ethanol	Green Plains Superior LLC	52.82	Oct. 23, 2013	Oct. 22, 2016
BCLCF143.0	Ethanol	Green Plains Otter Tail LLC	58.58	Oct. 23, 2013	June 8, 2016
BCLCF143.1	Ethanol	Green Plains Otter Tail LLC	59.85	June 9, 2016	June 5, 2019
BCLCF143.2	Ethanol	Green Plains Otter Tail LLC	58.05	June 6, 2019	Mar. 16, 2022
BCLCF143.3	Ethanol	Green Plains Otter Tail LLC	50.06	Mar. 17, 2022	Dec. 31, 2023
BCLCF143.4	Ethanol	Green Plains Otter Tail LLC	44.06	Jan. 1, 2024	Dec. 31, 2026
BCLCF144.0	HDRD	Neste Renewable Fuels (Finland)	52.45	Oct. 30, 2013	Oct. 29, 2016
BCLCF145.0	HDRD	Neste Renewable Fuels (Finland)	34.20	Oct. 30, 2013	Oct. 29, 2016
BCLCF146.0	HDRD	Neste Oil Singapore	18.22	Nov. 12, 2013	Sept. 6, 2016
BCLCF146.1	HDRD	Neste Oil Singapore	18.57	Sept. 7, 2016	Dec. 31, 2017
BCLCF146.2	HDRD	Neste Oil Singapore	19.36	Jan. 1, 2018	Nov. 8, 2020
BCLCF146.3	HDRD	Neste Oil Singapore	22.59	Nov. 9, 2020	Nov. 8, 2023
BCLCF147.0	Ethanol	ACE Ethanol LLC	58.62	Nov. 22, 2013	Nov. 14, 2016
BCLCF147.1	Ethanol	ACE Ethanol LLC	53.47	Nov. 15, 2016	July 28, 2019



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF147.2	Ethanol	ACE Ethanol LLC	51.40	July 29, 2019	July 28, 2020
BCLCF147.3	Ethanol	ACE Ethanol LLC	51.29	July 29, 2020	July 28, 2023
BCLCF148.0	HDRD	Neste Oil Singapore	57.63	Nov. 12, 2013	Nov. 11, 2014
BCLCF149.0	Ethanol	Chippewa Valley Ethanol Company	59.04	Nov. 22, 2013	Nov. 17, 2016
BCLCF149.1	Ethanol	Chippewa Valley Ethanol Company	55.62	Nov. 18, 2016	Nov. 17, 2019
BCLCF150.0	Biodiesel	REG Mason City LLC	29.77	Feb. 14, 2014	Dec. 31, 2014
BCLCF150.1	Biodiesel	REG Mason City LLC	19.73	Jan. 1, 2015	Dec. 31, 2017
BCLCF150.2	Biodiesel	REG Mason City, LLC	29.45	Mar. 12, 2021	Mar. 11, 2024
BCLCF150.3	Biodiesel	REG Mason City, LLC	13.41	Mar. 12, 2024	Mar. 11, 2027
BCLCF151.0	Ethanol	Red River Energy LLC	62.80	Feb. 12, 2014	Feb. 1, 2016
BCLCF151.1	Ethanol	Red River Energy LLC	56.51	Feb. 2, 2016	Jan. 23, 2017
BCLCF151.2	Ethanol	Red River Energy LLC	52.01	Jan. 24, 2017	Oct. 27, 2019
BCLCF151.3	Ethanol	Red River Energy LLC	49.23	Oct. 28, 2019	Oct. 27, 2022
BCLCF151.4	Ethanol	Red River Energy LLC	49.02	Oct. 28, 2022	Apr. 27, 2024
BCLCF152.0	Biodiesel	Kyoto Fuels Corporation	28.41	Feb. 20, 2014	Apr. 30, 2015
BCLCF153.0	Ethanol	Marquis Energy-Wisconsin LLC	52.43	Mar. 26, 2014	Mar. 25, 2017
BCLCF153.1	Ethanol	Marquis Energy-Wisconsin LLC	50.43	Mar. 26, 2017	Oct. 30, 2019
BCLCF153.2	Ethanol	Marquis Energy-Wisconsin LLC	48.81	Oct. 31, 2019	Oct. 4, 2022
BCLCF153.3	Ethanol	Marquis Energy-Wisconsin LLC	47.42	Oct. 5, 2022	Apr. 4, 2024
BCLCF154.0	Biodiesel	REG Albert Lea, LLC	15.47	Nov. 27, 2013	June 30, 2014
BCLCF155.0	Biodiesel	REG Albert Lea, LLC	7.09	Nov. 27, 2013	June 30, 2014
BCLCF156.0	Biodiesel	REG Ralston, LLC	38.32	Nov. 27, 2013	Nov. 26, 2016





**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF156.1	Biodiesel	REG Ralston, LLC	7.49	May 2, 2018	Mar. 11, 2021
BCLCF156.2	Biodiesel	REG Ralston, LLC	15.44	Mar. 12, 2021	Mar. 11, 2024
BCLCF157.0	Biodiesel	REG Seneca, LLC	24.94	Nov. 27, 2013	Nov. 26, 2016
BCLCF157.1	Biodiesel	REG Seneca, LLC	29.11	Jan. 1, 2017	Dec. 31, 2019
BCLCF158.0	Biodiesel	REG Seneca, LLC	4.10	Nov. 27, 2013	Nov. 26, 2016
BCLCF159.0	Ethanol	Marquis Energy LLC	53.71	Apr. 2, 2014	Apr. 1, 2017
BCLCF160.0	Biodiesel	REG Grays Harbor LLC (formerly Imperium Grays Harbor LLC)	10.10	Mar. 13, 2014	Aug. 19, 2015
BCLCF160.1	Biodiesel	REG Grays Harbor LLC	10.10	Aug. 20, 2015	Mar. 12, 2017
BCLCF161.0	Biodiesel	REG Grays Harbor LLC (formerly Imperium Grays Harbor LLC)	13.28	Mar. 13, 2014	Aug. 19, 2015
BCLCF161.1	Biodiesel	REG Grays Harbor LLC	13.28	Aug. 20, 2015	Mar. 12, 2017
BCLCF162.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	36.77	May 6, 2014	Jan. 18, 2017
BCLCF162.1	Ethanol	Future Fuel Ltd.	36.77	Jan. 19, 2017	Apr. 25, 2017
BCLCF162.2	Ethanol	Future Fuel Ltd.	35.13	Apr. 26, 2017	Apr. 25, 2018
BCLCF163.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	25.18	May 6, 2014	Jan. 18, 2017
BCLCF163.1	Ethanol	Future Fuel Ltd.	25.18	Jan. 19, 2017	May 5, 2017
BCLCF164.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	32.02	May 6, 2014	Jan. 18, 2017
BCLCF164.1	Ethanol	Future Fuel Ltd.	32.02	Jan. 19, 2017	Apr. 25, 2017
BCLCF164.2	Ethanol	Future Fuel Ltd.	30.54	Apr. 26, 2017	Apr. 25, 2018



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF165.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	20.43	May 6, 2014	Jan. 18, 2017
BCLCF165.1	Ethanol	Future Fuel Ltd.	20.43	Jan. 19, 2017	May 5, 2017
BCLCF166.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	60.04	May 6, 2014	May 5, 2015
BCLCF167.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	48.46	May 6, 2014	May 5, 2015
BCLCF168.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	55.30	May 6, 2014	May 5, 2015
BCLCF169.0	Ethanol	Future Fuel Ltd. (formerly Growing Power Hairy Hill)	43.71	May 6, 2014	May 5, 2015
BCLCF170.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	48.38	May 1, 2014	Dec. 31, 2014
BCLCF170.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	45.61	Jan. 1, 2015	Dec. 31, 2017
BCLCF170.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	44.68	Jan. 1, 2018	Dec. 31, 2018
BCLCF170.3	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	35.96	Jan. 1, 2019	Dec. 31, 2021
BCLCF170.4	Ethanol	Cenovus Energy Inc.	40.27	Jan. 1, 2022	Dec. 31, 2023
BCLCF170.5	Ethanol	Cenovus Energy Inc.	28.02	Jan. 1, 2024	Dec. 31, 2026
BCLCF171.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	14.31	May 1, 2014	Dec. 31, 2014
BCLCF171.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	13.89	Jan. 1, 2015	Dec. 31, 2017
BCLCF171.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	14.12	Jan. 1, 2018	Dec. 31, 2018
BCLCF171.3	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	12.62	Jan. 1, 2019	Dec. 31, 2021
BCLCF171.4	Ethanol	Cenovus Energy Inc.	15.03	Jan. 1, 2022	Dec. 31, 2023
BCLCF171.5	Ethanol	Cenovus Energy Inc.	12.22	Jan. 1, 2024	Dec. 31, 2025
BCLCF172.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	69.03	May 1, 2014	Dec. 31, 2014



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF172.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	50.09	Jan. 1, 2015	Dec. 31, 2017
BCLCF172.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	49.05	Jan. 1, 2018	Dec. 31, 2018
BCLCF172.3	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	48.39	Jan. 1, 2019	Dec. 31, 2021
BCLCF172.4	Ethanol	Cenovus Energy Inc.	53.30	Jan. 1, 2022	Dec. 31, 2023
BCLCF172.5	Ethanol	Cenovus Energy Inc.	36.51	Jan. 1, 2024	Dec. 31, 2026
BCLCF173.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	34.95	May 1, 2014	Dec. 31, 2014
BCLCF173.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	18.37	Jan. 1, 2015	Dec. 31, 2017
BCLCF173.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	20.15	Jan. 1, 2018	Dec. 31, 2018
BCLCF173.3	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	25.22	Jan. 1, 2019	Dec. 31, 2021
BCLCF173.4	Ethanol	Cenovus Energy Inc.	28.07	Jan. 1, 2022	Dec. 31, 2023
BCLCF173.5	Ethanol	Cenovus Energy Inc.	20.72	Jan. 1, 2024	Dec. 31, 2025
BCLCF174.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	81.64	May 1, 2014	Dec. 31, 2014
BCLCF174.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	74.91	Jan. 1, 2015	Dec. 31, 2017
BCLCF174.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	74.95	Jan. 1, 2018	Dec. 31, 2018
BCLCF175.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	47.56	May 1, 2014	Dec. 31, 2014
BCLCF175.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	43.14	Jan. 1, 2015	Dec. 31, 2017
BCLCF175.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	45.10	Jan. 1, 2018	Dec. 31, 2018
BCLCF176.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	75.24	May 1, 2014	Dec. 31, 2014
BCLCF176.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	65.37	Jan. 1, 2015	Dec. 31, 2017
BCLCF176.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	65.52	Jan. 1, 2018	Dec. 31, 2018
BCLCF176.3	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	57.04	Jan. 1, 2019	Dec. 31, 2021
BCLCF176.4	Ethanol	Cenovus Energy Inc.	61.93	Jan. 1, 2022	Dec. 31, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF176.5	Ethanol	Cenovus Energy Inc.	58.87	Jan. 1, 2024	Dec. 31, 2026
BCLCF177.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	41.17	May 1, 2014	Dec. 31, 2014
BCLCF177.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	33.65	Jan. 1, 2015	Dec. 31, 2017
BCLCF177.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	35.56	Jan. 1, 2018	Dec. 31, 2018
BCLCF177.3	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	33.48	Jan. 1, 2019	Dec. 31, 2021
BCLCF177.4	Ethanol	Cenovus Energy Inc.	36.70	Jan. 1, 2022	Dec. 31, 2023
BCLCF177.5	Ethanol	Cenovus Energy Inc.	43.07	Jan. 1, 2024	Dec. 31, 2025
BCLCF178.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	46.52	May 1, 2014	Dec. 31, 2014
BCLCF178.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	53.34	Jan. 1, 2015	Dec. 31, 2017
BCLCF178.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	53.34	Jan. 1, 2018	Dec. 31, 2018
BCLCF178.3	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	38.16	Jan. 1, 2019	Dec. 31, 2021
BCLCF178.4	Ethanol	Cenovus Energy Inc.	38.20	Jan. 1, 2022	Dec. 31, 2023
BCLCF178.5	Ethanol	Cenovus Energy Inc.	37.18	Jan. 1, 2024	Dec. 31, 2026
BCLCF179.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	55.55	May 1, 2014	Dec. 31, 2014
BCLCF179.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	54.43	Jan. 1, 2015	Dec. 31, 2017
BCLCF179.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	48.26	Jan. 1, 2019	Dec. 31, 2021
BCLCF179.3	Ethanol	Cenovus Energy Inc.	48.02	Jan. 1, 2022	Dec. 31, 2023
BCLCF179.4	Ethanol	Cenovus Energy Inc.	40.02	Jan. 1, 2024	Dec. 31, 2026
BCLCF180.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	67.43	May 1, 2014	Dec. 31, 2014
BCLCF180.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	69.41	Jan. 1, 2015	Dec. 31, 2017
BCLCF180.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	65.73	Jan. 1, 2018	Dec. 31, 2018
BCLCF180.3	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	56.01	Jan. 1, 2019	Dec. 31, 2021



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF180.4	Ethanol	Cenovus Energy Inc.	55.51	Jan. 1, 2022	Dec. 31, 2023
BCLCF180.5	Ethanol	Cenovus Energy Inc.	58.83	Jan. 1, 2024	Dec. 31, 2026
BCLCF181.0	Ethanol	Maple Biocombustibles	33.31	June 2, 2014	June 1, 2017
BCLCF182.0	Ethanol	Green Plains Shenandoah LLC	50.30	June 5, 2014	June 8, 2016
BCLCF182.1	Ethanol	Green Plains Shenandoah LLC	53.32	June 9, 2016	June 8, 2019
BCLCF182.2	Ethanol	Green Plains Shenandoah LLC	45.64	June 9, 2019	Mar. 16, 2022
BCLCF182.3	Ethanol	Green Plains Shenandoah LLC	48.28	Mar. 17, 2022	Dec. 31, 2023
BCLCF182.4	Ethanol	Green Plains Shenandoah LLC	44.54	Jan. 1, 2024	Dec. 31, 2026
BCLCF183.0	Ethanol	Terra Grain Fuels Inc.	64.17	June 17, 2014	Mar. 2, 2016
BCLCF183.1	Ethanol	Terra Grain Fuels Inc.	56.32	Mar. 3, 2016	Mar. 2, 2019
BCLCF183.2	Ethanol	Terra Grain Fuels Inc.	55.90	Apr. 23, 2019	Mar. 27, 2022
BCLCF183.3	Ethanol	Co-op Ethanol Complex	62.12	Mar. 28, 2022	Dec. 31, 2023
BCLCF183.4	Ethanol	Co-op Ethanol Complex	46.90	Jan. 1, 2024	Dec. 31, 2026
BCLCF184.0	Ethanol	Terra Grain Fuels Inc.	51.22	June 17, 2014	Mar. 2, 2016
BCLCF184.1	Ethanol	Terra Grain Fuels Inc.	45.00	Mar. 3, 2016	Mar. 2, 2019
BCLCF184.2	Ethanol	Terra Grain Fuels Inc.	44.22	Apr. 23, 2019	Mar. 27, 2022
BCLCF184.3	Ethanol	Co-op Ethanol Complex	43.13	Mar. 28, 2022	Dec. 31, 2023
BCLCF184.4	Ethanol	Co-op Ethanol Complex	30.98	Jan. 1, 2024	Dec. 31, 2026
BCLCF185.0	Ethanol	Big River Resources LLC	52.45	June 18, 2014	Apr. 2, 2017
BCLCF185.1	Ethanol	Big River Resources LLC	50.14	Apr. 3, 2017	Mar. 12, 2020
BCLCF185.2	Ethanol	Big River Resources LLC	47.60	Mar. 13, 2020	Mar. 12, 2023
BCLCF185.3	Ethanol	Big River Resources LLC	46.64	Mar. 13, 2023	Mar. 12, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF186.0	Biodiesel	REG Albert Lea, LLC	15.36	June 30, 2014	June 29, 2017
BCLCF186.1	Biodiesel	REG Albert Lea, LLC	28.78	June 30, 2017	June 29, 2020
BCLCF186.2	Biodiesel	REG Albert Lea, LLC	32.33	Mar. 12, 2021	Mar. 11, 2024
BCLCF186.3	Biodiesel	REG Albert Lea, LLC	13.74	Mar. 12, 2024	Mar. 11, 2027
BCLCF187.0	Biodiesel	REG Albert Lea, LLC	-0.05	June 30, 2014	June 29, 2017
BCLCF187.1	Biodiesel	REG Albert Lea, LLC	16.47	Mar. 12, 2021	Mar. 11, 2024
BCLCF187.2	Biodiesel	REG Albert Lea, LLC	4.52	Mar. 12, 2024	Mar. 11, 2027
BCLCF188.0	Biodiesel	REG Albert Lea, LLC	5.29	June 30, 2014	June 29, 2017
BCLCF188.1	Biodiesel	REG Albert Lea, LLC	17.63	June 30, 2017	June 29, 2020
BCLCF188.2	Biodiesel	REG Albert Lea, LLC	34.36	Mar. 12, 2021	Mar. 11, 2024
BCLCF188.3	Biodiesel	REG Albert Lea, LLC	24.48	Mar. 12, 2024	Mar. 11, 2027
BCLCF189.0	Biodiesel	REG Albert Lea, LLC	7.55	June 30, 2014	June 29, 2017
BCLCF190.0	Ethanol	Trestle Energy	29.68	Oct. 15, 2014	Oct. 14, 2015
BCLCF191.0	Ethanol	Trestle Energy	35.66	Oct. 15, 2014	Oct. 14, 2015
BCLCF192.0	Ethanol	Trestle Energy	29.10	Oct. 15, 2014	Oct. 14, 2015
BCLCF193.0	Ethanol	Mid Missouri Energy LLC	52.86	Nov. 18, 2014	Nov. 17, 2017
BCLCF194.0	HDRD	REG Geismar, LLC	6.85	Nov. 24, 2014	Nov. 17, 2015
BCLCF194.1	HDRD	REG Geismar, LLC	21.57	Nov. 18, 2015	May 1, 2018
BCLCF194.2	HDRD	REG Geismar, LLC	18.04	May 2, 2018	Mar. 11, 2021
BCLCF194.3	HDRD	REG Geismar, LLC	20.75	Mar. 12, 2021	Dec. 31, 2022
BCLCF194.4	HDRD	REG Geismar, LLC	21.96	Dec. 31, 2022	Jun. 30, 2024
BCLCF194.5	HDRD	REG Geismar, LLC	19.31	Jul. 1, 2024	Jun. 30, 2027



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF195.0	HDRD	REG Geismar, LLC	18.52	Nov. 24, 2014	Nov. 17, 2015
BCLCF195.1	HDRD	REG Geismar, LLC	30.16	Nov. 18, 2015	May 1, 2018
BCLCF195.2	HDRD	REG Geismar, LLC	24.76	May 2, 2018	Mar. 11, 2021
BCLCF195.3	HDRD	REG Geismar, LLC	25.97	Mar. 12, 2021	Dec. 31, 2022
BCLCF195.4	HDRD	REG Geismar, LLC	27.63	Dec. 31, 2022	Jun. 30, 2024
BCLCF195.5	HDRD	REG Geismar, LLC	26.96	Jul. 1, 2024	Jun. 30, 2027
BCLCF196.0	HDRD	REG Geismar, LLC	21.95	Nov. 24, 2014	Nov. 17, 2015
BCLCF196.1	HDRD	REG Geismar, LLC	33.30	Nov. 18, 2015	May 1, 2018
BCLCF196.2	HDRD	REG Geismar, LLC	28.16	May 2, 2018	Mar. 11, 2021
BCLCF196.3	HDRD	REG Geismar, LLC	31.04	Mar. 12, 2021	Dec. 31, 2022
BCLCF196.4	HDRD	REG Geismar, LLC	34.13	Dec. 31, 2022	Jun. 30, 2024
BCLCF196.5	HDRD	REG Geismar, LLC	28.27	Jul. 1, 2024	Jun. 30, 2027
BCLCF197.0	HDRD	REG Geismar, LLC	19.59	Nov. 24, 2014	Nov. 17, 2015
BCLCF197.1	HDRD	REG Geismar, LLC	31.76	Nov. 18, 2015	Nov. 17, 2018
BCLCF197.2	HDRD	REG Geismar, LLC	30.56	May 18, 2020	May 17, 2023
BCLCF198.0	HDRD	REG Geismar, LLC	27.43	Nov. 24, 2014	Nov. 17, 2015
BCLCF198.1	HDRD	REG Geismar, LLC	37.89	Nov. 18, 2015	Nov. 17, 2018
BCLCF198.2	HDRD	REG Geismar, LLC	36.67	May 18, 2020	May 17, 2023
BCLCF199.0	Biodiesel	REG Mason City, LLC	9.54	Jan. 1, 2015	Dec. 31, 2017
BCLCF199.1	Biodiesel	REG Mason City, LLC	18.05	Mar. 12, 2021	Mar. 11, 2024
BCLCF199.2	Biodiesel	REG Mason City, LLC	5.11	Mar. 12, 2024	Mar. 11, 2027
BCLCF200.0	Biodiesel	REG Mason City, LLC	18.45	Jan. 1, 2015	Dec. 31, 2017



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF200.1	Biodiesel	REG Mason City, LLC	27.78	May 2, 2018	Mar. 11, 2021
BCLCF200.2	Biodiesel	REG Mason City, LLC	26.00	Mar. 12, 2021	Mar. 11, 2024
BCLCF200.3	Biodiesel	REG Mason City, LLC	15.39	Mar. 12, 2024	Mar. 11, 2027
BCLCF201.0	Biodiesel	REG Mason City, LLC	25.01	Jan. 1, 2015	Dec. 31, 2017
BCLCF201.1	Biodiesel	REG Mason City, LLC	35.82	May 2, 2018	Mar. 11, 2021
BCLCF201.2	Biodiesel	REG Mason City, LLC	33.75	Mar. 12, 2021	Mar. 11, 2024
BCLCF201.3	Biodiesel	REG Mason City, LLC	13.63	Mar. 12, 2024	Mar. 11, 2027
BCLCF202.0	Biodiesel	REG Mason City, LLC	16.12	Jan. 1, 2015	Dec. 31, 2017
BCLCF202.1	Biodiesel	REG Mason City, LLC	37.46	May 2, 2018	Mar. 11, 2021
BCLCF202.2	Biodiesel	REG Mason City, LLC	35.59	Mar. 12, 2021	Mar. 11, 2024
BCLCF202.3	Biodiesel	REG Mason City, LLC	23.95	Mar. 12, 2024	Mar. 11, 2027
BCLCF203.0	Biodiesel	REG Mason City, LLC	20.46	Jan. 1, 2015	Dec. 31, 2017
BCLCF204.0	Biodiesel	REG Mason City, LLC	16.14	Jan. 1, 2015	Dec. 31, 2017
BCLCF205.0	Ethanol	AltEn, LLC	56.11	Jan. 9, 2015	Jan. 8, 2016
BCLCF206.0	Ethanol	AltEn, LLC	31.44	Jan. 9, 2015	Jan. 8, 2016
BCLCF207.0	Ethanol	AltEn, LLC	46.02	Jan. 9, 2015	Jan. 8, 2016
BCLCF208.0	Ethanol	AltEn, LLC	21.36	Jan. 9, 2015	Jan. 8, 2016
BCLCF209.0	Ethanol	Badger State Ethanol (formerly Murex LLC)	46.86	May 1, 2015	Feb. 23, 2016
BCLCF209.1	Ethanol	Badger State Ethanol	46.86	Feb. 24, 2016	Apr. 30, 2018
BCLCF210.0	HDRD	Neste Oil Singapore	48.73	Jan. 1, 2015	Dec. 31, 2017
BCLCF210.1	HDRD	Neste Oil Singapore	47.67	Jan. 1, 2018	Dec. 31, 2020
BCLCF211.0	HDRD	Neste Oil Singapore	76.45	Jan. 1, 2015	Dec. 31, 2017





**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF211.1	HDRD	Neste Oil Singapore	75.28	Jan. 1, 2018	Dec. 31, 2020
BCLCF212.0	HDRD	Neste Oil Singapore	30.60	Jan. 1, 2015	Dec. 31, 2017
BCLCF212.1	HDRD	Neste Oil Singapore	29.67	Jan. 1, 2018	Dec. 31, 2020
BCLCF213.0	Biodiesel	T6 Industrial S.A.	14.40	Apr. 21, 2015	Mar. 20, 2018
BCLCF213.1	Biodiesel	T6 Industrial S.A.	-2.62	Mar. 21, 2018	Mar. 20, 2021
BCLCF213.2	Biodiesel	T6 Industrial SA	-2.93	May 1, 2023	Apr. 30, 2024
BCLCF214.0	Biodiesel	SK Chemicals Co. Ltd.	98.96	Apr. 14, 2015	Apr. 13, 2018
BCLCF215.0	Biodiesel	SK Chemicals Co. Ltd.	16.85	Apr. 14, 2015	Apr. 13, 2018
BCLCF216.0	Biodiesel	SK Chemicals Co. Ltd.	16.23	Apr. 14, 2015	Apr. 13, 2018
BCLCF217.0	Biodiesel	BIOX Canada Ltd.	17.08	May 26, 2015	May 25, 2018
BCLCF218.0	Biodiesel	BIOX Canada Ltd.	28.92	May 26, 2015	May 25, 2018
BCLCF219.0	Biodiesel	BIOX Canada Ltd.	18.19	May 26, 2015	May 25, 2018
BCLCF219.1	Biodiesel	BIOX Canada Ltd.	19.40	Sept. 6, 2021	Sept. 5, 2024
BCLCF220.0	Biodiesel	BIOX Canada Ltd.	0.16	May 26, 2015	May 25, 2018
BCLCF220.1	Biodiesel	BIOX Canada Ltd.	-4.35	June 14, 2018	June 13, 2021
BCLCF220.2	Biodiesel	BIOX Canada Ltd.	2.50	June 14, 2021	June 13, 2024
BCLCF221.0	Biodiesel	BIOX Canada Ltd.	-15.74	May 26, 2015	May 25, 2018
BCLCF221.1	Biodiesel	BIOX Canada Ltd.	-20.21	June 14, 2018	June 13, 2021
BCLCF221.2	Biodiesel	BIOX Canada Ltd.	-13.59	June 14, 2021	June 13, 2024
BCLCF222.0	Ethanol	Dakota Spirit AgEnergy	39.63	July 1, 2015	May 24, 2018
BCLCF222.1	Ethanol	Dakota Spirit AgEnergy	34.36	May 25, 2018	May 24, 2021
BCLCF222.2	Ethanol	Dakota Spirit AgEnergy	32.94	Apr. 13, 2022	Dec. 31, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF223.0	Biodiesel	Consolidated Biofuels Ltd.	5.04	Oct. 1, 2015	Sept. 27, 2018
BCLCF223.1	Biodiesel	Consolidated Biofuels Ltd.	4.96	Sept. 28, 2018	Sept. 27, 2019
BCLCF223.2	Biodiesel	Consolidated Biofuels Ltd.	-7.75	Jan. 5, 2021	Jan. 4, 2022
BCLCF223.3	Biodiesel	Consolidated Biofuels Ltd.	-19.38	Jan. 17, 2022	Dec. 31, 2023
BCLCF224.0	Ethanol	Pound-Maker Agventures	32.34	Oct. 15, 2015	Oct. 14, 2018
BCLCF224.1	Ethanol	Pound-Maker Agventures	31.79	Dec. 17, 2019	Dec. 16, 2022
BCLCF225.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	41.87	Jan. 1, 2015	Dec. 31, 2017
BCLCF225.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	40.91	Jan. 1, 2018	Dec. 31, 2018
BCLCF225.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	31.45	Jan. 1, 2019	Dec. 31, 2021
BCLCF225.3	Ethanol	Cenovus Energy Inc.	35.75	Jan. 1, 2022	Dec. 31, 2023
BCLCF225.4	Ethanol	Cenovus Energy Inc.	23.91	Jan. 1, 2024	Dec. 31, 2026
BCLCF226.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	10.15	Jan. 1, 2015	Dec. 31, 2017
BCLCF226.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	10.35	Jan. 1, 2018	Dec. 31, 2018
BCLCF226.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	8.11	Jan. 1, 2019	Dec. 31, 2021
BCLCF226.3	Ethanol	Cenovus Energy Inc.	10.51	Jan. 1, 2022	Dec. 31, 2023
BCLCF226.4	Ethanol	Cenovus Energy Inc.	8.11	Jan. 1, 2024	Dec. 31, 2025
BCLCF227.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	46.35	Jan. 1, 2015	Dec. 31, 2017
BCLCF227.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	45.28	Jan. 1, 2018	Dec. 31, 2018
BCLCF227.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	43.88	Jan. 1, 2019	Dec. 31, 2021
BCLCF227.3	Ethanol	Cenovus Energy Inc.	48.78	Jan. 1, 2022	Dec. 31, 2023
BCLCF227.4	Ethanol	Cenovus Energy Inc.	32.40	Jan. 1, 2024	Dec. 31, 2026
BCLCF228.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	14.63	Jan. 1, 2015	Dec. 31, 2017



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF228.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	16.38	Jan. 1, 2018	Dec. 31, 2018
BCLCF228.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	20.71	Jan. 1, 2019	Dec. 31, 2021
BCLCF228.3	Ethanol	Cenovus Energy Inc.	23.55	Jan. 1, 2022	Dec. 31, 2023
BCLCF228.4	Ethanol	Cenovus Energy Inc.	16.61	Jan. 1, 2024	Dec. 31, 2025
BCLCF229.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	71.18	Jan. 1, 2015	Dec. 31, 2017
BCLCF229.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	71.19	Jan. 1, 2018	Dec. 31, 2018
BCLCF230.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	39.46	Jan. 1, 2015	Dec. 31, 2017
BCLCF230.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	41.33	Jan. 1, 2018	Dec. 31, 2018
BCLCF231.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	61.63	Jan. 1, 2015	Dec. 31, 2017
BCLCF231.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	61.76	Jan. 1, 2018	Dec. 31, 2018
BCLCF231.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	52.53	Jan. 1, 2019	Dec. 31, 2021
BCLCF231.3	Ethanol	Cenovus Energy Inc.	57.41	Jan. 1, 2022	Dec. 31, 2023
BCLCF231.4	Ethanol	Cenovus Energy Inc.	54.76	Jan. 1, 2024	Dec. 31, 2026
BCLCF232.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	29.91	Jan. 1, 2015	Dec. 31, 2017
BCLCF232.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	31.90	Jan. 1, 2018	Dec. 31, 2018
BCLCF232.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	28.97	Jan. 1, 2019	Dec. 31, 2021
BCLCF232.3	Ethanol	Cenovus Energy Inc.	32.18	Jan. 1, 2022	Dec. 31, 2023
BCLCF232.4	Ethanol	Cenovus Energy Inc.	38.96	Jan. 1, 2024	Dec. 31, 2025
BCLCF233.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	44.50	Jan. 1, 2016	Dec. 31, 2017
BCLCF233.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	44.50	Jan. 1, 2018	Dec. 31, 2018
BCLCF233.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	31.07	Jan. 1, 2019	Dec. 31, 2021
BCLCF233.3	Ethanol	Cenovus Energy Inc.	31.09	Jan. 1, 2022	Dec. 31, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF233.4	Ethanol	Cenovus Energy Inc.	30.77	Jan. 1, 2024	Dec. 31, 2026
BCLCF234.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	45.56	Jan. 1, 2016	Dec. 31, 2018
BCLCF234.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	41.16	Jan. 1, 2019	Dec. 31, 2021
BCLCF234.2	Ethanol	Cenovus Energy Inc.	40.91	Jan. 1, 2022	Dec. 31, 2023
BCLCF234.3	Ethanol	Cenovus Energy Inc.	33.61	Jan. 1, 2024	Dec. 31, 2026
BCLCF235.0	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	60.34	Jan. 1, 2016	Dec. 31, 2017
BCLCF235.1	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	57.18	Jan. 1, 2018	Dec. 31, 2018
BCLCF235.2	Ethanol	Cenovus Energy Inc. (formerly Husky Energy)	48.91	Jan. 1, 2019	Dec. 31, 2021
BCLCF235.3	Ethanol	Cenovus Energy Inc.	48.40	Jan. 1, 2022	Dec. 31, 2023
BCLCF235.4	Ethanol	Cenovus Energy Inc.	52.42	Jan. 1, 2024	Dec. 31, 2026
BCLCF236.0	Biodiesel	Cargill Inc.	-3.64	Apr. 1, 2016	Mar. 31, 2019
BCLCF236.1	Biodiesel	Cargill Inc.	-11.08	Apr. 1, 2019	Mar. 31, 2022
BCLCF236.2	Biodiesel	Cargill Inc.	-11.20	Apr. 6, 2022	Nov. 8, 2023
BCLCF236.3	Biodiesel	Cargill Inc.	-8.28	Nov. 9, 2023	Nov. 8, 2026
BCLCF237.0	Ethanol	Green Plains Wood River LLC	54.66	May 16, 2016	May 15, 2019
BCLCF238.0	Ethanol	Green Plains Fairmont LLC	61.73	May 16, 2016	May 15, 2019
BCLCF239.0	Ethanol	Redfield Energy LLC	49.72	July 22, 2016	July 21, 2019
BCLCF239.1	Ethanol	Redfield Energy LLC	48.90	July 22, 2019	July 19, 2022
BCLCF239.2	Ethanol	Redfield Energy LLC	48.37	July 20, 2022	Jan. 19, 2024
BCLCF239.3	Ethanol	Redfield Energy LLC	37.93	Jan. 20, 2024	Jan. 19, 2027
BCLCF240.0	Ethanol	Aberdeen Energy LLC	54.55	July 29, 2016	July 25, 2019
BCLCF240.1	Ethanol	Aberdeen Energy LLC	52.61	July 26, 2019	July 25, 2022



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF240.2	Ethanol	Aberdeen Energy LLC	45.30	Jan. 26, 2023	Jan. 25, 2024
BCLCF241.0	HDRD	Neste Oil Singapore	26.93	Sept. 7, 2016	Dec. 31, 2017
BCLCF241.1	HDRD	Neste Oil Singapore	27.34	Jan. 1, 2018	Nov. 8, 2020
BCLCF241.2	HDRD	Neste Oil Singapore	30.56	Nov. 9, 2020	Nov. 8, 2023
BCLCF242.0	Ethanol	Permolex Ltd.	33.54	Sept. 3, 2016	Aug. 25, 2019
BCLCF242.1	Ethanol	Permolex Ltd.	33.13	Aug. 26, 2019	Mar. 3, 2024
BCLCF243.0	Ethanol	Permolex Ltd.	40.11	Sept. 3, 2016	Sept. 2, 2019
BCLCF244.0	Ethanol	Enerkem Alberta Biofuels LP	-54.80	Dec. 7, 2016	Dec. 6, 2017
BCLCF244.1	Ethanol	Enerkem Alberta Biofuels LP	-20.50	Dec. 7, 2017	Dec. 3, 2018
BCLCF244.2	Ethanol	Enerkem Alberta Biofuels LP	-20.50	Dec. 4, 2018	Dec. 31, 2019
BCLCF245.0	LNG	FortisBC Energy Inc.	63.04	Jan. 1, 2017	June 9, 2019
BCLCF245.1	LNG	FortisBC Energy Inc.	65.57	June 10, 2019	June 9, 2020
BCLCF245.2	LNG	FortisBC Energy Inc.	63.54	June 10, 2020	June 9, 2021
BCLCF245.3	LNG	FortisBC Energy Inc.	65.09	June 10, 2021	Dec. 30, 2022
BCLCF245.4	LNG	FortisBC Energy Inc.	64.76	Dec. 31, 2022	June 30, 2024
BCLCF246.0	Ethanol	Mid America Agri Products/Wheatland LLC	46.87	Mar. 7, 2017	Mar. 6, 2020
BCLCF247.0	Ethanol	Future Fuel Ltd.	37.59	Apr. 26, 2017	Apr. 25, 2018
BCLCF248.0	Ethanol	Future Fuel Ltd.	33.01	Apr. 26, 2017	Apr. 25, 2018
BCLCF249.0	LNG	Ferus Natural Gas Fuels Inc.	67.34	Jan. 1, 2017	Dec. 31, 2019
BCLCF250.0	HDRD	East Kansas Agri-Energy, LLC	23.51	Sept. 15, 2017	Sept. 14, 2018
BCLCF250.1	HDRD	East Kansas Agri-Energy, LLC	39.36	Feb. 14, 2019	Feb. 13, 2020
BCLCF250.2	HDRD	East Kansas Agri-Energy, LLC	39.36	Feb. 14, 2020	Feb. 13, 2021



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF251.0	Biodiesel	Incobrasa Industries, Ltd.	6.89	Oct. 23, 2017	Aug. 26, 2020
BCLCF251.1	Biodiesel	Incobrasa Industries, Ltd.	3.49	Aug. 27, 2020	Aug. 6, 2023
BCLCF251.2	Biodiesel	Incobrasa Industries, Ltd.	0.35	Aug. 7, 2023	Aug. 7, 2026
BCLCF252.0	Biodiesel	Lower Mainland Biodiesel Waste & Cooking Oil Recycling Inc.	4.47	Feb. 22, 2018	Feb. 21, 2019
BCLCF253.0	Ethanol	POET Biorefining	49.33	Mar. 27, 2018	Mar. 26, 2021
BCLCF254.0	Ethanol	POET Biorefining	49.86	Mar. 27, 2018	Mar. 26, 2021
BCLCF255.0	Biodiesel	SeQuential Pacific Biodiesel LLC	0.69	Apr. 25, 2018	Apr. 24, 2021
BCLCF256.0	Biodiesel	REG Albert Lea, LLC	21.03	May 2, 2018	Mar. 11, 2021
BCLCF256.1	Biodiesel	REG Albert Lea, LLC	24.42	Mar. 12, 2021	Mar. 11, 2024
BCLCF256.2	Biodiesel	REG Albert Lea, LLC	15.71	Mar. 12, 2024	Mar. 11, 2027
BCLCF257.0	Biodiesel	REG Emden, LLC	22.61	May 2, 2018	May 1, 2021
BCLCF258.0	HDRD	REG Geismar, LLC	48.65	May 2, 2018	May 1, 2019
BCLCF259.0	Biodiesel	REG Oeding, LLC	23.42	May 2, 2018	May 1, 2021
BCLCF260.0	Biodiesel	Louis Dreyfus Company	11.22	June 18, 2018	June 17, 2021
BCLCF261.0	HDRD	REG Geismar, LLC	16.47	Nov. 2, 2018	Mar. 11, 2021
BCLCF261.1	HDRD	REG Geismar, LLC	20.46	Mar. 12, 2021	Dec. 30, 2022
BCLCF261.2	HDRD	REG Geismar, LLC	22.13	Dec. 31, 2022	June, 30, 2024
BCLCF261.3	HDRD	REG Geismar, LLC	20.28	July 1, 2024	June 30, 2027
BCLCF262.0	Ethanol	Greenfield Global Winnebago LLC (formerly Corn Plus)	56.13	Nov. 12, 2018	Nov. 11, 2021
BCLCF262.1	Ethanol	Greenfield Global Winnebago LLC	54.28	Nov. 12, 2021	May 11, 2023
BCLCF263.0	CNG	Seabreeze Farm Ltd.	19.94	Oct. 16, 2018	Oct. 15, 2019



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF263.1	CNG	Seabreeze Farm Ltd.	26.08	Jan. 1, 2021	Dec. 31, 2021
BCLCF263.2	CNG	FortisBC Energy Inc.	-35.16	Aug. 5, 2022	Feb. 4, 2024
BCLCF264.0	CNG	Fraser Valley Biogas	17.36	Oct. 16, 2018	Oct. 15, 2019
BCLCF264.1	CNG	Fraser Valley Biogas	10.50	Jan. 1, 2020	Dec. 31, 2022
BCLCF265.0	CNG	FortisBC Energy Inc.	7.33	Oct. 16, 2018	Oct. 15, 2019
BCLCF265.1	CNG	FortisBC Energy Inc.	6.73	Jan. 1, 2020	Dec. 31, 2020
BCLCF265.2	CNG	FortisBC Energy Inc.	6.81	Jan. 1, 2021	Dec. 31, 2023
BCLCF265.3	CNG	FortisBC Energy Inc.	7.42	Jan. 1, 2024	Dec. 31, 2024
BCLCF266.0	CNG	FortisBC Energy Inc.	30.80	Oct. 16, 2018	Oct. 15, 2019
BCLCF266.1	CNG	FortisBC Energy Inc.	14.25	Dec. 16, 2022	Dec. 31, 2023
BCLCF266.2	CNG	FortisBC Energy Inc.	20.41	Jan. 1, 2024	Dec. 31, 2026
BCLCF267.0	Ethanol	Copersucar S.A.	34.77	Jan. 18, 2019	Jan. 17, 2022
BCLCF268.0	HDRD	REG Geismar, LLC	21.51	Mar. 15, 2019	Mar. 11, 2021
BCLCF268.1	HDRD	REG Geismar, LLC	21.56	Mar. 12, 2021	Dec. 30, 2022
BCLCF268.2	HDRD	REG Geismar, LLC	23.91	Dec. 31, 2022	June, 30, 2024
BCLCF268.3	HDRD	REG Geismar, LLC	24.14	July 1, 2024	June 30, 2027
BCLCF269.0	HDRD	Sinclair Wyoming Refining Company	32.24	Apr. 11, 2019	Mar. 3, 2020
BCLCF269.1	HDRD	Sinclair Wyoming Refining Company	26.46	Mar. 4, 2020	Mar. 1, 2021
BCLCF269.2	HDRD	Sinclair Wyoming Refining Company	20.28	Mar. 2, 2021	Feb. 9, 2022
BCLCF269.3	HDRD	Sinclair Wyoming Refining Company	25.92	Feb. 10, 2022	Dec. 31, 2023
BCLCF269.4	HDRD	Wyoming Renewable Diesel Company LLC	24.10	Jan. 1, 2024	Dec. 31, 2026
BCLCF270.0	HDRD	Sinclair Wyoming Refining Company	28.04	Apr. 11, 2019	Apr. 10, 2020



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF270.1	HDRD	Wyoming Renewable Diesel Company LLC	24.47	Jan. 1, 2024	Dec. 31, 2026
BCLCF271.0	Ethanol	Terra Grain Fuels Inc.	41.81	Apr. 23, 2019	Apr. 22, 2022
BCLCF272.0	Biodiesel	Archer Daniels Midland Company	10.56	May 28, 2019	May 27, 2022
BCLCF273.0	Biodiesel	Mid-America Biofuels	10.15	May 29, 2019	May 28, 2022
BCLCF274.0	Biodiesel	Paseo Cargill Energy	-12.70	July 25, 2019	July 24, 2022
BCLCF274.1	Biodiesel	Paseo Cargill Energy	-7.81	July 25, 2022	Jan. 24, 2024
BCLCF275.0	Ethanol	Quad County Corn Processors Cooperative	61.57	Sept. 18, 2019	Sept. 17, 2022
BCLCF275.1	Ethanol	Quad County Corn Processors Cooperative	51.89	Sept. 18, 2022	Mar. 17, 2024
BCLCF276.0	Ethanol	Red River Biorefinery, LLC	27.94	Mar. 4, 2020	July 3, 2021
BCLCF277.0	CNG	City of Surrey	-86.47	June 30, 2020	June 29, 2021
BCLCF277.1	CNG	City of Surrey	-32.36	June 30, 2021	Dec. 31, 2023
BCLCF278.0	Ethanol	Bonanza Bioenergy	23.88	Oct. 31, 2019	Oct. 27, 2022
BCLCF278.1	Ethanol	Bonanza Bioenergy	27.67	Oct. 28, 2022	Apr. 28, 2024
BCLCF279.0	Biodiesel	REG Mason City, LLC	13.43	Oct. 25, 2019	Oct. 24, 2022
BCLCF280.0	Biodiesel	REG Grays Harbor, LLC	6.22	Jan. 15, 2020	Dec. 30, 2022
BCLCF280.1	Biodiesel	REG Grays Harbor, LLC	6.55	Dec. 31, 2022	June 30, 2024
BCLCF281.0	Biodiesel	REG Grays Harbor, LLC	-5.73	Jan. 15, 2020	Dec. 30, 2022
BCLCF281.1	Biodiesel	REG Grays Harbor, LLC	-5.27	Dec. 31, 2022	June 30, 2024
BCLCF282.0	Biodiesel	REG Madison, LLC	8.34	Jan. 13, 2020	Jan. 12, 2023
BCLCF282.1	Biodiesel	REG Madison LLC	13.51	Jan. 13, 2023	Jan. 12, 2024
BCLCF283.0	Biodiesel	REG Seneca, LLC	9.35	Jan. 13, 2020	Jan. 12, 2023
BCLCF283.1	Biodiesel	REG Seneca, LLC	6.57	Jan. 13, 2023	Dec. 31, 2023





**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF283.2	Biodiesel	REG Seneca, LLC	4.97	Jan. 1, 2024	Dec. 31, 2026
BCLCF284.0	Ethanol	Hub City, LLC	49.17	Apr. 8, 2020	Jan. 25, 2023
BCLCF284.1	Ethanol	Hub City, LLC	46.58	Jan. 26, 2023	Jan. 25, 2024
BCLCF284.2	Ethanol	Hub City, LLC	37.76	Jan. 26, 2024	Jan. 25, 2027
BCLCF285.0	Ethanol	Huron Energy, LLC	46.46	Apr. 8, 2020	Jan. 25, 2023
BCLCF285.1	Ethanol	Huron Energy, LLC	48.40	Jan. 26, 2023	Jan. 25, 2024
BCLCF285.2	Ethanol	Huron Energy, LLC	44.75	Jan. 26, 2024	Jan. 25, 2027
BCLCF286.0	Ethanol	Bonanza Bioenergy	39.56	June 11, 2020	Oct. 27, 2022
BCLCF286.1	Ethanol	Bonanza Bioenergy	39.23	Oct. 28, 2022	July 31, 2023
BCLCF286.2	Ethanol	Bonanza Bioenergy	35.17	Aug. 1, 2023	July 31, 2026
BCLCF287.0	HDRD	Diamond Green Diesel LLC	25.20	May 13, 2020	Dec. 28, 2022
BCLCF287.1	HDRD	Diamond Green Diesel LLC	28.09	Dec. 29, 2022	June 29, 2024
BCLCF288.0	Biodiesel	REG Grays Harbor, LLC	-0.30	Jan. 15, 2020	Dec. 30, 2022
BCLCF288.1	Biodiesel	REG Grays Harbor, LLC	-0.20	Dec. 31, 2022	June 30, 2024
BCLCF289.0	Biodiesel	REG Grays Harbor, LLC	4.44	Jan. 15, 2020	Dec. 30, 2022
BCLCF289.1	Biodiesel	REG Grays Harbor, LLC	4.58	Dec. 31, 2022	June 30, 2024
BCLCF290.0	Biodiesel	REG Grays Harbor, LLC	13.16	Jan. 15, 2020	Dec. 30, 2022
BCLCF290.1	Biodiesel	REG Grays Harbor, LLC	12.14	Dec. 31, 2022	June 30, 2024
BCLCF291.0	Biodiesel	REG Grays Harbor, LLC	11.78	Jan. 15, 2020	Dec. 30, 2022
BCLCF291.1	Biodiesel	REG Grays Harbor, LLC	12.25	Dec. 31, 2022	June 30, 2024
BCLCF292.0	HDRD	REG Geismar, LLC	26.90	May 18, 2020	May 17, 2023
BCLCF293.0	HDRD	REG Geismar, LLC	23.91	May 18, 2020	May 17, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF294.0	Biodiesel	Cincinnati Renewable Fuels, LLC	7.36	June 23, 2020	June 22, 2023
BCLCF295.0	Biodiesel	Consolidated Biofuels Ltd.	17.45	Aug. 31, 2020	Aug. 30, 2021
BCLCF296.0	Ethanol	Siouxland Energy Cooperative	42.08	July 13, 2020	July 12, 2023
BCLCF297.0	Biodiesel	Consolidated Biofuels Ltd.	0.46	Nov. 12, 2020	Nov. 11, 2021
BCLCF297.1	Biodiesel	Consolidated Biofuels Ltd.	-11.55	Nov. 12 2021	Dec. 31, 2023
BCLCF298.0	HDRD	Dakota Prairie Refining, LLC	22.52	Dec. 19, 2020	Mar. 18, 2022
BCLCF298.1	HDRD	Dakota Prairie Refining, LLC	30.65	Feb. 23, 2022	Feb. 22, 2023
BCLCF298.2	HDRD	Dakota Prairie Refining, LLC	25.65	Nov. 28, 2023	Nov. 27, 2026
BCLCF299.0	HDRD	Dakota Prairie Refining, LLC	19.29	Dec. 19, 2020	Mar. 18, 2022
BCLCF299.1	HDRD	Dakota Prairie Refining, LLC	26.46	Feb. 23, 2022	Feb. 22, 2023
BCLCF299.2	HDRD	Dakota Prairie Refining, LLC	25.25	Nov. 28, 2023	Nov. 27, 2026
BCLCF300.0	HDRD	Dakota Prairie Refining, LLC	21.80	Dec. 19, 2020	Mar. 18, 2022
BCLCF300.1	HDRD	Dakota Prairie Refining, LLC	28.56	Feb. 23, 2022	Feb. 22, 2023
BCLCF300.2	HDRD	Dakota Prairie Refining, LLC	24.57	Nov. 28, 2023	Nov. 27, 2026
BCLCF301.0	Biodiesel	Express Grain Terminals LLC	13.79	Nov. 29, 2020	Feb. 28, 2022
BCLCF302.0	HDRD	ECO Biochemical Technology (Zhangjiagang) Company Limited	25.16	Oct. 30, 2020	Apr. 29, 2022
BCLCF303.0	HDRD	ECO Biochemical Technology (Zhangjiagang) Company Limited	19.05	Oct. 30, 2020	Apr. 29, 2022
BCLCF304.0	HDRD	ECO Biochemical Technology (Zhangjiagang) Company Limited	44.21	Oct. 30, 2020	Apr. 29, 2022
BCLCF305.0	HDRD	ECO Biochemical Technology (Zhangjiagang) Company Limited	31.37	Oct. 30, 2020	Apr. 29, 2022



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF306.0	HDRD	ECO Biochemical Technology (Zhangjiagang) Company Limited	19.16	Oct. 30, 2020	Apr. 29, 2022
BCLCF307.0	HDRD	Phillips 66 Company	13.77	Jan. 11, 2021	Nov. 21, 2021
BCLCF307.1	HDRD	Phillips 66 Company	23.80	Nov. 22, 2021	Dec. 31, 2022
BCLCF307.2	HDRD	Phillips 66 Company	22.86	Jan. 1, 2023	Dec. 31, 2023
BCLCF308.0	HDRD	Phillips 66 Company	34.90	Jan. 11, 2021	Nov. 21, 2021
BCLCF308.1	HDRD	Phillips 66 Company	29.63	Nov. 22, 2021	Dec. 31, 2022
BCLCF308.2	HDRD	Phillips 66 Company	28.03	Jan. 1, 2023	Dec. 31, 2023
BCLCF309.0	HDRD	Sinclair Wyoming Refining Company	20.13	Mar. 2, 2021	Feb. 9, 2022
BCLCF309.1	HDRD	Sinclair Wyoming Refining Company	25.77	Feb. 10, 2022	Dec. 31, 2023
BCLCF310.0	HDRD	ECO Biochemical Technology (Zhangjiagang) Company Limited	33.86	Oct. 30, 2020	Apr. 29, 2022
BCLCF311.0	Biodiesel	REG Mason, City, LLC	16.33	Mar. 12, 2021	Mar. 11, 2024
BCLCF311.1	Biodiesel	REG Mason City, LLC	2.74	Mar. 12, 2024	Mar. 11, 2027
BCLCF312.0	Biodiesel	REG Albert Lea, LLC	27.63	Mar. 12, 2021	Mar. 11, 2024
BCLCF312.1	Biodiesel	REG Albert Lea, LLC	13.84	Mar. 12, 2024	Mar. 11, 2027
BCLCF313.0	Biodiesel	REG Albert Lea, LLC	13.44	Mar. 12, 2021	Mar. 11, 2024
BCLCF313.1	Biodiesel	REG Albert Lea, LLC	1.61	Mar. 12, 2024	Mar. 11, 2027
BCLCF314.0	Biodiesel	Louis Dreyfus Company Claypool Holdings LLC	-8.83	May 4, 2021	May 3, 2024
BCLCF315.0	Biodiesel	Louis Dreyfus Company Claypool Holdings LLC	-7.25	May 4, 2021	May 3, 2024
BCLCF316.0	LNG	FortisBC Energy Inc.	63.92	Jan. 1, 2021	Dec. 31, 2023
BCLCF316.1	LNG	FortisBC Energy Inc.	65.34	Jan. 1, 2024	Dec. 31, 2026



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF317.0	HDRD	REG Geismar, LLC	17.78	Mar. 12, 2021	Dec. 30, 2022
BCLCF317.1	HDRD	REG Geismar, LLC	19.79	Dec. 31, 2022	June 30, 2024
BCLCF317.2	HDRD	REG Geismar, LLC	17.36	July 1, 2024	June 30, 2027
BCLCF319.0	Biodiesel	REG Danville, LLC	27.42	Mar. 19, 2021	Mar. 18, 2024
BCLCF319.1	Biodiesel	REG Danville, LLC	17.44	Mar. 19, 2024	Mar. 18, 2027
BCLCF320.0	Biodiesel	REG Danville, LLC	32.30	Mar. 19, 2021	Mar. 18, 2024
BCLCF320.1	Biodiesel	REG Danville, LLC	17.37	Mar. 19, 2024	Mar. 18, 2027
BCLCF321.0	Biodiesel	REG Danville, LLC	18.00	Mar. 19, 2021	Mar. 18, 2024
BCLCF321.1	Biodiesel	REG Danville, LLC	9.31	Mar. 19, 2024	Mar. 18, 2027
BCLCF322.0	Biodiesel	REG Danville, LLC	15.22	Mar. 19, 2021	Mar. 18, 2024
BCLCF322.1	Biodiesel	REG Danville, LLC	6.60	Mar. 19, 2024	Mar. 18, 2027
BCLCF323.0	Biodiesel	REG Danville, LLC	24.87	Mar. 19, 2021	Mar. 18, 2024
BCLCF323.1	Biodiesel	REG Danville, LLC	18.92	Mar. 19, 2024	Mar. 18, 2027
BCLCF324.0	Biodiesel	REG Newton, LLC	28.30	Mar. 19, 2021	Mar. 18, 2024
BCLCF324.1	Biodiesel	REG Newton, LLC	16.09	Mar. 19, 2024	Mar. 18, 2027
BCLCF325.0	Biodiesel	REG Newton, LLC	33.19	Mar. 19, 2021	Mar. 18, 2024
BCLCF325.1	Biodiesel	REG Newton, LLC	16.68	Mar. 19, 2024	Mar. 18, 2027
BCLCF326.0	Biodiesel	REG Newton, LLC	17.36	Mar. 19, 2021	Mar. 18, 2024
BCLCF326.1	Biodiesel	REG Newton, LLC	8.13	Mar. 19, 2024	Mar. 18, 2027
BCLCF327.0	Biodiesel	REG Newton, LLC	15.32	Mar. 19, 2021	Mar. 18, 2024
BCLCF327.1	Biodiesel	REG Newton, LLC	5.85	Mar. 19, 2024	Mar. 18, 2027
BCLCF328.0	Biodiesel	REG Newton, LLC	25.21	Mar. 19, 2021	Mar. 18, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF328.1	Biodiesel	REG Newton, LLC	17.56	Mar. 19, 2024	Mar. 18, 2027
BCLCF329.0	HDRD	Neste Netherlands BV	27.66	June 10, 2021	Dec. 31, 2022
BCLCF330.0	HDRD	Neste Netherlands BV	34.62	June 10, 2021	Dec. 31, 2022
BCLCF331.0	HDRD	Neste Netherlands BV	44.73	June 10, 2021	Dec. 31, 2022
BCLCF332.0	HDRD	Neste Netherlands BV	42.02	June 10, 2021	Dec. 31, 2022
BCLCF333.0	HDRD	AltAir Paramount LLC	23.69	June 24, 2021	Dec. 31, 2022
BCLCF333.1	HDRD	AltAir Paramount LLC	27.90	Jan. 1, 2023	Dec. 31, 2023
BCLCF334.0	Biodiesel	World Energy Rome, LLC	2.33	June 30, 2021	Dec. 29, 2022
BCLCF335.0	Biodiesel	World Energy Rome, LLC	6.97	June 30, 2021	Dec. 29, 2022
BCLCF336.0	Biodiesel	World Energy Rome, LLC	11.73	June 30, 2021	Dec. 29, 2022
BCLCF337.0	HDRD	Diamond Green Diesel, LLC	15.02	June 30, 2021	Dec. 28, 2022
BCLCF337.1	HDRD	Diamond Green Diesel LLC	22.08	Dec. 29, 2022	June 29, 2024
BCLCF338.0	HDRD	Diamond Green Diesel, LLC	22.64	June 30, 2021	Dec. 28, 2022
BCLCF338.1	HDRD	Diamond Green Diesel LLC	28.81	Dec. 29, 2022	June 29, 2024
BCLCF339.0	Hydrogen	HTEC Hydrogen Technology & Energy Corp	35.50	Feb. 1, 2021	Mar. 1, 2024
BCLCF339.1	Hydrogen	HTEC Hydrogen Technology & Energy Corp	21.45	Mar. 2, 2024	Mar. 1, 2025
BCLCF340.0	HDRD	Phillips 66 Company	30.68	Nov. 22, 2021	Dec. 31, 2022
BCLCF340.1	HDRD	Phillips 66 Company	29.11	Jan. 1, 2023	Dec. 31, 2023
BCLCF341.0	HDRD	Phillips 66 Company	36.39	Nov. 22, 2021	Dec. 31, 2022
BCLCF341.1	HDRD	Phillips 66 Company	34.77	Jan. 1, 2023	Dec. 31, 2023
BCLCF342.0	HDRD	Phillips 66 Company	35.23	Nov. 22, 2021	Dec. 31, 2022
BCLCF342.1	HDRD	Phillips 66 Company	33.60	Jan. 1, 2023	Dec. 31, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF343.0	HDRD	Phillips 66 Company	30.17	Nov. 22, 2021	Dec. 31, 2022
BCLCF343.1	HDRD	Phillips 66 Company	28.64	Jan. 1, 2023	Dec. 31, 2023
BCLCF344.0	HDRD	Phillips 66 Company	26.36	Nov. 22, 2021	Dec. 31, 2022
BCLCF345.0	Biodiesel	Canary Biofuels Inc.	10.09	June 2, 2022	June 1, 2023
BCLCF345.1	Biodiesel	Canary Biofuels Inc.	21.40	Dec. 31, 2023	Dec. 30, 2024
BCLCF346.0	Biodiesel	Canary Biofuels Inc.	10.70	June 2, 2022	June 1, 2023
BCLCF346.1	Biodiesel	Canary Biofuels Inc.	26.12	Dec. 31, 2023	Dec. 30, 2024
BCLCF347.0	Biodiesel	Canary Biofuels Inc.	5.34	June 2, 2022	June 1, 2023
BCLCF347.1	Biodiesel	Canary Biofuels Inc.	17.61	Dec. 31, 2023	Dec. 30, 2024
BCLCF348.0	Biodiesel	Canary Biofuels Inc.	18.13	June 2, 2022	June 1, 2023
BCLCF348.1	Biodiesel	Canary Biofuels Inc.	27.60	Dec. 31, 2023	Dec. 30, 2024
BCLCF349.0	Biodiesel	Canary Biofuels Inc.	14.88	June 2, 2022	June 1, 2023
BCLCF349.1	Biodiesel	Canary Biofuels Inc.	26.35	Dec. 31, 2023	Dec. 30, 2024
BCLCF350.0	Renewable Naphtha	Sinclair Wyoming Refining Company	25.92	Feb. 10, 2022	Dec. 31, 2023
BCLCF351.0	Renewable Naphtha	Sinclair Wyoming Refining Company	25.77	Feb. 10, 2022	Dec. 31, 2023
BCLCF352.0	Biodiesel	Consolidated Biofuels Ltd.	-6.41	Mar. 8, 2022	Dec. 31, 2023
BCLCF353.0	LNG	Seaspan Ferries Corp	63.68	Jan. 1, 2022	Dec. 31, 2023
BCLCF353.1	LNG	Seaspan Ferries Corp	64.19	Jan. 1, 2024	June 30, 2024
BCLCF353.2	LNG	Seaspan Ferries Corp	67.18	July 1, 2024	June 30, 2027
BCLCF354.0	LNG	Seaspan Ferries Corp	62.91	Jan. 1, 2022	Dec. 31, 2023
BCLCF355.0	LNG	British Columbia Ferries Inc.	63.68	Jan. 1, 2022	Dec. 31, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF355.1	LNG	British Columbia Ferries Inc	64.19	Jan 1, 2024	June 30, 2024
BCLCF355.2	LNG	British Columbia Ferries Inc	67.18	July 1, 2024	June 30, 2027
BCLCF356.0	LNG	British Columbia Ferries Inc.	62.91	Jan. 1, 2022	Dec. 31, 2023
BCLCF356.1	LNG	British Columbia Ferries Inc	66.43	Jan 1, 2024	June 30, 2024
BCLCF356.2	LNG	British Columbia Ferries Inc	69.22	July 1, 2024	June 30, 2027
BCLCF357.0	Propane	Superior Propane	65.81	Mar. 31, 2022	Mar. 8, 2023
BCLCF357.1	Propane	Superior Propane	64.88	Mar. 9, 2023	Mar. 8, 2024
BCLCF357.2	Propane	Superior Propane	71.21	Mar. 9, 2024	Mar. 8, 2025
BCLCF358.0	Ethanol	Co-op Ethanol Complex	60.24	Mar. 28, 2022	Dec. 31, 2023
BCLCF358.1	Ethanol	Co-op Ethanol Complex	33.99	Jan. 1, 2024	Dec. 31, 2026
BCLCF359.0	Ethanol	Co-op Ethanol Complex	50.06	Mar. 28, 2022	Dec. 31, 2023
BCLCF359.1	Ethanol	Co-op Ethanol Complex	43.15	Jan. 1, 2024	Dec. 31, 2026
BCLCF360.0	Ethanol	Co-op Ethanol Complex	63.64	Mar. 28, 2022	Dec. 31, 2023
BCLCF360.1	Ethanol	Co-op Ethanol Complex	72.13	Jan. 1, 2024	Dec. 31, 2026
BCLCF361.0	Ethanol	Blue Flint Ethanol	50.94	Apr. 13, 2022	Apr. 12, 2023
BCLCF362.0	Biodiesel	ADM Agri-Industries	2.93	May 1, 2022	Dec. 31, 2023
BCLCF362.1	Biodiesel	ADM Agri-Industries Company	-1.00	Jan. 1, 2024	Dec. 31, 2026
BCLCF363.0	HDRD	Dakota Prairie Refining, LLC	19.55	Feb. 23, 2022	Feb. 22, 2023
BCLCF363.1	HDRD	Dakota Prairie Refining, LLC	17.28	Nov. 28, 2023	Nov. 27, 2026
BCLCF364.0	Renewable Naphtha	Dakota Prairie Refining, LLC	30.65	Feb. 23, 2022	Feb. 22, 2023
BCLCF365.0	Renewable Naphtha	Dakota Prairie Refining, LLC	26.46	Feb. 23, 2022	Feb. 22, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF366.0	Renewable Naphtha	Dakota Prairie Refining, LLC	28.56	Feb. 23, 2022	Feb. 22, 2023
BCLCF367.0	Renewable Naphtha	Dakota Prairie Refining, LLC	19.55	Feb. 23, 2022	Feb. 22, 2023
BCLCF368.0	Biodiesel	REG Seneca, LLC	6.13	Jan. 1, 2023	Dec. 31, 2023
BCLCF369.0	Biodiesel	REG Seneca, LLC	24.64	Jan. 1, 2023	Dec. 31, 2023
BCLCF369.1	Biodiesel	REG Seneca, LLC	23.60	Jan. 1, 2024	Dec. 31, 2026
BCLCF370.0	Biodiesel	REG Seneca, LLC	15.75	Jan. 1, 2023	Dec. 31, 2023
BCLCF370.1	Biodiesel	REG Seneca, LLC	16.16	Jan. 1, 2024	Dec. 31, 2026
BCLCF371.0	Biodiesel	REG Seneca, LLC	9.42	Jan. 1, 2023	Dec. 31, 2023
BCLCF372.0	Biodiesel	REG Seneca, LLC	23.40	Jan. 1, 2023	Dec. 31, 2023
BCLCF372.1	Biodiesel	REG Seneca, LLC	15.16	Jan. 1, 2024	Dec. 31, 2026
BCLCF373.0	Biodiesel	REG Seneca, LLC	18.74	Jan. 1, 2023	Dec. 31, 2023
BCLCF373.1	Biodiesel	REG Seneca, LLC	14.30	Jan. 1, 2024	Dec. 31, 2026
BCLCF374.0	Biodiesel	REG Seneca, LLC	10.51	Jan. 1, 2023	Dec. 31, 2023
BCLCF374.1	Biodiesel	REG Seneca, LLC	6.60	Jan. 1, 2024	Dec. 31, 2026
BCLCF375.0	Ethanol	Red Trail Energy LLC	46.39	Aug. 15, 2022	Aug. 6, 2023
BCLCF375.1	Ethanol	Red Trail Energy LLC	44.32	Aug. 7, 2023	Aug. 6, 2026
BCLCF376.0	Ethanol	Red Trail Energy LLC	24.68	Aug. 15, 2022	Aug. 6, 2023
BCLCF376.1	Ethanol	Red Trail Energy LLC	18.86	Aug. 7, 2023	Aug. 6, 2026
BCLCF377.0	Hydrogen	HTEC Hydrogen Technology & Energy Corp	28.50	Nov. 1, 2023	Jun. 30, 2024
BCLCF378.0	Ethanol	POET Biorefining	35.70	Oct. 7, 2022	Apr. 7, 2024





**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF379.0	Renewable Naphtha	Cheyenne Renewable Diesel Company, LLC	33.52	Aug. 4, 2022	Aug. 3, 2023
BCLCF379.1	Renewable Naphtha	Cheyenne Renewable Diesel Company, LLC	27.62	Sep. 25, 2023	Sep. 24, 2024
BCLCF380.0	Renewable Naphtha	Cheyenne Renewable Diesel Company, LLC	28.87	Aug. 4, 2022	Aug. 3, 2023
BCLCF380.1	Renewable Naphtha	Cheyenne Renewable Diesel Company, LLC	28.02	Sep. 25, 2023	Sep. 24, 2024
BCLCF381.0	Biodiesel	REG Madison LLC	26.77	Jan. 1, 2023	Dec. 31, 2023
BCLCF382.0	Biodiesel	REG Madison LLC	30.85	Jan. 1, 2023	Dec. 31, 2023
BCLCF383.0	Ethanol	Bonanza BioEnergy	24.78	Oct. 28, 2022	Apr. 28, 2024
BCLCF384.0	Ethanol	Bonanza BioEnergy	23.33	Oct. 28, 2022	Apr. 28, 2024
BCLCF385.0	Ethanol	Bonanza BioEnergy	21.89	Oct. 28, 2022	Apr. 28, 2024
BCLCF387.0	HDRD	Montana Renewables, LLC	12.18	Jun. 13, 2022	Jun. 11, 2023
BCLCF387.1	HDRD	Montana Renewables, LLC	21.15	Jun. 12, 2023	Jun. 12, 2024
BCLCF388.0	HDRD	Montana Renewables, LLC	22.36	Jun. 13, 2022	Jun. 11, 2023
BCLCF388.1	HDRD	Montana Renewables, LLC	21.15	Jun. 12, 2023	Jun. 12, 2024
BCLCF389.0	HDRD	Montana Renewables, LLC	19.07	Jun. 13, 2022	Jun. 11, 2023
BCLCF389.1	HDRD	Montana Renewables, LLC	25.63	Jun. 12, 2023	Jun. 12, 2024
BCLCF390.0	HDRD	Montana Renewables, LLC	23.42	Jun. 13, 2022	Jun. 11, 2023
BCLCF390.1	HDRD	Montana Renewables, LLC	28.62	Jun. 12, 2023	Jun. 12, 2024
BCLCF391.0	HDRD	Montana Renewables, LLC	32.24	Jun. 13, 2022	Jun. 11, 2023
BCLCF391.1	HDRD	Montana Renewables, LLC	37.28	Jun. 12, 2023	Jun. 12, 2024
BCLCF392.0	HDRD	Montana Renewables, LLC	16.10	Jun. 13, 2022	Jun. 11, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF392.1	HDRD	Montana Renewables, LLC	21.29	Jun. 12, 2023	Jun. 12, 2024
BCLCF393.0	HDRD	Montana Renewables, LLC	26.75	Jun. 13, 2022	Jun. 11, 2023
BCLCF393.1	HDRD	Montana Renewables, LLC	31.98	Jun. 12, 2023	Jun. 12, 2024
BCLCF394.0	HDRD	Montana Renewables, LLC	26.81	Jun. 13, 2022	Jun. 11, 2023
BCLCF394.1	HDRD	Montana Renewables, LLC	33.64	Jun. 12, 2023	Jun. 12, 2024
BCLCF395.0	HDRD	Montana Renewables, LLC	20.91	Jun. 13, 2022	Jun. 11, 2023
BCLCF395.1	HDRD	Montana Renewables, LLC	26.11	Jun. 12, 2023	Jun. 12, 2024
BCLCF396.0	HDRD	Diamond Green Diesel LLC	32.94	Oct. 27, 2022	Oct. 26, 2023
BCLCF396.1	HDRD	Diamond Green Diesel LLC	27.62	Oct. 27, 2023	Oct. 26, 2024
BCLCF397.0	Renewable Naphtha	Diamond Green Diesel LLC	32.94	Oct. 27, 2022	Oct. 26, 2023
BCLCF397.1	Renewable Naphtha	Diamond Green Diesel LLC	27.62	Oct. 27, 2023	Oct. 26, 2024
BCLCF398.0	HDRD	Diamond Green Diesel LLC	27.60	Oct. 27, 2022	Oct. 26, 2023
BCLCF398.1	HDRD	Diamond Green Diesel LLC	27.61	Oct. 27, 2023	Oct. 26, 2024
BCLCF399.0	Renewable Naphtha	Diamond Green Diesel LLC	27.60	Oct. 27, 2022	Oct. 26, 2023
BCLCF399.1	Renewable Naphtha	Diamond Green Diesel LLC	27.61	Oct. 27, 2023	Oct. 26, 2024
BCLCF400.0	HDRD	Diamond Green Diesel LLC	33.56	Oct. 27, 2022	Oct. 26, 2023
BCLCF400.1	HDRD	Diamond Green Diesel LLC	28.54	Oct. 27, 2023	Oct. 26, 2024
BCLCF401.0	Renewable Naphtha	Diamond Green Diesel LLC	33.56	Oct. 27, 2022	Oct. 26, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF401.1	Renewable Naphtha	Diamond Green Diesel LLC	28.54	Oct. 27, 2023	Oct. 26, 2024
BCLCF402.0	HDRD	Diamond Green Diesel LLC	29.36	Oct. 27, 2022	Oct. 26, 2023
BCLCF402.1	HDRD	Diamond Green Diesel LLC	28.04	Oct. 27, 2023	Oct. 26, 2024
BCLCF403.0	Renewable Naphtha	Diamond Green Diesel LLC	29.36	Oct. 27, 2022	Oct. 26, 2023
BCLCF403.1	Renewable Naphtha	Diamond Green Diesel LLC	28.04	Oct. 27, 2023	Oct. 26, 2024
BCLCF404.0	HDRD	Diamond Green Diesel LLC	22.56	Oct. 27, 2022	Oct. 26, 2023
BCLCF404.1	HDRD	Diamond Green Diesel LLC	20.37	Oct. 27, 2023	Oct. 26, 2024
BCLCF405.0	Renewable Naphtha	Diamond Green Diesel LLC	22.56	Oct. 27, 2022	Oct. 26, 2023
BCLCF405.1	Renewable Naphtha	Diamond Green Diesel LLC	20.37	Oct. 27, 2023	Oct. 26, 2024
BCLCF406.0	HDRD	Tidewater Renewables Ltd.	9.17	May 15, 2023	May 14, 2024
BCLCF407.0	HDRD	Tidewater Renewables Ltd.	8.35	May 15, 2023	May 14, 2024
BCLCF408.0	HDRD	Tidewater Renewables Ltd.	8.04	May 15, 2023	May 14, 2024
BCLCF409.0	HDRD	Tidewater Renewables Ltd.	8.08	May 15, 2023	May 14, 2024
BCLCF410.0	HDRD	Tidewater Renewables Ltd.	6.45	May 15, 2023	May 14, 2024
BCLCF411.0	HDRD	Tidewater Renewables Ltd.	8.28	May 15, 2023	May 14, 2024
BCLCF412.0	HDRD	Tidewater Renewables Ltd.	12.25	May 15, 2023	May 14, 2024
BCLCF413.0	HDRD	Tidewater Renewables Ltd.	15.53	May 15, 2023	May 14, 2024
BCLCF414.0	HDRD	Tidewater Renewables Ltd.	-24.22	May 15, 2023	May 14, 2024
BCLCF415.0	HDRD	Tidewater Renewables Ltd.	-11.70	May 15, 2023	May 14, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF416.0	HDRD	Tidewater Renewables Ltd.	16.70	May 15, 2023	May 14, 2024
BCLCF417.0	HDRD	Tidewater Renewables Ltd.	13.81	May 15, 2023	May 14, 2024
BCLCF418.0	HDRD	Tidewater Renewables Ltd.	19.24	May 15, 2023	May 14, 2024
BCLCF419.0	HDRD	Tidewater Renewables Ltd.	25.26	May 15, 2023	May 14, 2024
BCLCF420.0	HDRD	Tidewater Renewables Ltd.	21.81	May 15, 2023	May 14, 2024
BCLCF421.0	HDRD	Tidewater Renewables Ltd.	7.56	May 15, 2023	May 14, 2024
BCLCF422.0	HDRD	Tidewater Renewables Ltd.	19.79	May 15, 2023	May 14, 2024
BCLCF423.0	HDRD	Tidewater Renewables Ltd.	23.37	May 15, 2023	May 14, 2024
BCLCF424.0	HDRD	Tidewater Renewables Ltd.	11.86	May 15, 2023	May 14, 2024
BCLCF425.0	HDRD	Tidewater Renewables Ltd.	16.91	May 15, 2023	May 14, 2024
BCLCF426.0	HDRD	Tidewater Renewables Ltd.	13.92	May 15, 2023	May 14, 2024
BCLCF427.0	HDRD	Tidewater Renewables Ltd.	10.76	May 15, 2023	June 30, 2024
BCLCF428.0	HDRD	Tidewater Renewables Ltd.	9.96	May 15, 2023	May 14, 2024
BCLCF429.0	HDRD	Tidewater Renewables Ltd.	9.66	May 15, 2023	June 30, 2024
BCLCF430.0	HDRD	Tidewater Renewables Ltd.	9.70	May 15, 2023	June 30, 2024
BCLCF431.0	HDRD	Tidewater Renewables Ltd.	8.13	May 15, 2023	June 30, 2024
BCLCF432.0	HDRD	Tidewater Renewables Ltd.	9.60	May 15, 2023	June 30, 2024
BCLCF433.0	HDRD	Tidewater Renewables Ltd.	13.74	May 15, 2023	May 14, 2024
BCLCF434.0	HDRD	Tidewater Renewables Ltd.	16.92	May 15, 2023	May 14, 2024
BCLCF435.0	HDRD	Tidewater Renewables Ltd.	-21.59	May 15, 2023	June 30, 2024
BCLCF436.0	HDRD	Tidewater Renewables Ltd.	-9.47	May 15, 2023	June 30, 2024
BCLCF437.0	HDRD	Tidewater Renewables Ltd.	18.05	May 15, 2023	May 14, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF438.0	HDRD	Tidewater Renewables Ltd.	15.26	May 15, 2023	June 30, 2024
BCLCF439.0	HDRD	Tidewater Renewables Ltd.	20.52	May 15, 2023	June 30, 2024
BCLCF440.0	HDRD	Tidewater Renewables Ltd.	26.36	May 15, 2023	June 30, 2024
BCLCF441.0	HDRD	Tidewater Renewables Ltd.	23.01	May 15, 2023	May 14, 2024
BCLCF442.0	HDRD	Tidewater Renewables Ltd.	9.20	May 15, 2023	May 14, 2024
BCLCF443.0	HDRD	Tidewater Renewables Ltd.	21.05	May 15, 2023	May 14, 2024
BCLCF444.0	HDRD	Tidewater Renewables Ltd.	24.52	May 15, 2023	May 14, 2024
BCLCF445.0	HDRD	Tidewater Renewables Ltd.	13.37	May 15, 2023	June 30, 2024
BCLCF446.0	HDRD	Tidewater Renewables Ltd.	18.26	May 15, 2023	June 30, 2024
BCLCF447.0	HDRD	Tidewater Renewables Ltd.	15.37	May 15, 2023	June 30, 2024
BCLCF448.0	Renewable Naphtha	Tidewater Renewables Ltd.	10.76	May 15, 2023	May 14, 2024
BCLCF449.0	Renewable Naphtha	Tidewater Renewables Ltd.	9.96	May 15, 2023	May 14, 2024
BCLCF450.0	Renewable Naphtha	Tidewater Renewables Ltd.	9.66	May 15, 2023	May 14, 2024
BCLCF451.0	Renewable Naphtha	Tidewater Renewables Ltd.	9.70	May 15, 2023	May 14, 2024
BCLCF452.0	Renewable Naphtha	Tidewater Renewables Ltd.	8.13	May 15, 2023	May 14, 2024
BCLCF453.0	Renewable Naphtha	Tidewater Renewables Ltd.	9.60	May 15, 2023	May 14, 2024
BCLCF454.0	Renewable Naphtha	Tidewater Renewables Ltd.	13.74	May 15, 2023	May 14, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF455.0	Renewable Naphtha	Tidewater Renewables Ltd.	16.92	May 15, 2023	May 14, 2024
BCLCF456.0	Renewable Naphtha	Tidewater Renewables Ltd.	-21.59	May 15, 2023	May 14, 2024
BCLCF457.0	Renewable Naphtha	Tidewater Renewables Ltd.	-9.47	May 15, 2023	May 14, 2024
BCLCF458.0	Renewable Naphtha	Tidewater Renewables Ltd.	18.05	May 15, 2023	May 14, 2024
BCLCF459.0	Renewable Naphtha	Tidewater Renewables Ltd.	15.26	May 15, 2023	May 14, 2024
BCLCF460.0	Renewable Naphtha	Tidewater Renewables Ltd.	20.52	May 15, 2023	May 14, 2024
BCLCF461.0	Renewable Naphtha	Tidewater Renewables Ltd.	26.36	May 15, 2023	May 14, 2024
BCLCF462.0	Renewable Naphtha	Tidewater Renewables Ltd.	23.01	May 15, 2023	May 14, 2024
BCLCF463.0	Renewable Naphtha	Tidewater Renewables Ltd.	9.20	May 15, 2023	May 14, 2024
BCLCF464.0	Renewable Naphtha	Tidewater Renewables Ltd.	21.05	May 15, 2023	May 14, 2024
BCLCF465.0	Renewable Naphtha	Tidewater Renewables Ltd.	24.52	May 15, 2023	May 14, 2024
BCLCF466.0	Renewable Naphtha	Tidewater Renewables Ltd.	13.37	May 15, 2023	May 14, 2024
BCLCF467.0	Renewable Naphtha	Tidewater Renewables Ltd.	18.26	May 15, 2023	May 14, 2024
BCLCF468.0	Renewable Naphtha	Tidewater Renewables Ltd.	15.37	May 15, 2023	May 14, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF469.0	HDRD	BP Products North America Inc.	26.65	June 1, 2023	May 31, 2024
BCLCF470.0	HDRD	BP Products North America Inc.	27.93	June 1, 2023	May 31, 2024
BCLCF471.0	HDRD	BP Products North America Inc.	25.64	June 1, 2023	May 31, 2024
BCLCF472.0	HDRD	BP Products North America Inc.	28.87	June 1, 2023	May 31, 2024
BCLCF473.0	Ethanol	Blue Flint Ethanol LLC	9.39	July 1, 2023	June 30, 2024
BCLCF474.0	Ethanol	Blue Flint Ethanol LLC	24.80	July 1, 2023	June 30, 2024
BCLCF475.0	Hydrogen	HEG Holdings Corp. / Hydra Energy Canada Corp.	26.64	July 1, 2023	June 30, 2024
BCLCF476.0	Propane	Superior Propane	73.96	Jan. 1, 2023	Dec. 31, 2023
BCLCF476.1	Propane	Superior Propane	77.69	Jan. 2, 2024	Jan. 1, 2025
BCLCF477.0	Ethanol	Big River United Energy LLC	45.86	Mar. 13, 2023	Mar. 12, 2024
BCLCF478.0	CNG	FortisBC Energy Inc.	6.30	Aug. 5, 2022	Aug. 4, 2023
BCLCF478.1	CNG	FortisBC Energy Inc.	21.02	Aug. 5, 2023	Aug. 4, 2026
BCLCF479.0	Renewable Naphtha	AltAir Paramount LLC	27.90	Jan. 1, 2023	Dec. 31, 2023
BCLCF480.0	Ethanol	Archer Daniels Midland Company	62.99	June 8, 2023	June 7, 2024
BCLCF481.0	HDRD	Phillips 66 Company	20.49	Jan. 1, 2023	Dec. 31, 2023
BCLCF482.0	Ethanol	POET Biorefining	41.39	July 18, 2023	July, 17, 2026
BCLCF483.0	Renewable Naphtha	REG Geismar, LLC	21.96	Dec. 31, 2022	June 30, 2024
BCLCF483.1	Renewable Naphtha	REG Geismar, LLC	19.31	Jul. 1, 2024	June 30, 2027
BCLCF484.0	Renewable Naphtha	REG Geismar, LLC	27.63	Dec. 31, 2022	June 30, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF484.1	Renewable Naphta	REG Geismar, LLC	26.96	Jul. 1, 2024	June 30, 2027
BCLCF485.0	Renewable Naphtha	REG Geismar, LLC	34.13	Dec. 31, 2022	June 30, 2024
BCLCF485.1	Renewable Naphtha	REG Geismar, LLC	28.27	Jul. 1 2024	June 30, 2027
BCLCF486.0	Renewable Naphtha	REG Geismar, LLC	30.61	Dec. 31, 2022	June 30, 2024
BCLCF487.0	Renewable Naphtha	REG Geismar, LLC	22.13	Dec. 31, 2022	June 30, 2024
BCLCF487.1	Renewable Naphtha	REG Geismar, LLC	20.28	July 1, 2024	June 30, 2027
BCLCF488.0	Renewable Naphtha	REG Geismar, LLC	23.91	Dec. 31, 2022	June 30, 2024
BCLCF488.1	Renewable Naphta	REG Geismar, LLC	24.14	July 1, 2024	June 30, 2027
BCLCF489.0	Renewable Naphtha	REG Geismar, LLC	19.79	Dec. 31, 2022	June 30, 2024
BCLCF489.1	Renewable Naphtha	REG Geismar, LLC	17.36	July 1, 2024	June 30, 2027
BCLCF490.0	HDRD	REG Geismar, LLC	19.67	Dec. 31, 2022	June 30, 2024
BCLCF490.1	HDRD	REG Geismar, LLC	21.11	July 1, 2024	June 30, 2027
BCLCF491.0	Renewable Naphtha	REG Geismar, LLC	19.67	Dec. 31, 2022	June 30, 2024
BCLCF491.1	Renewable Naphtha	REG Geismar, LLC	21.11	July 1, 2024	June 30, 2027
BCLCF492.0	HDRD	Bakersfield Renewable Fuels LLC	30.56	Feb. 9, 2023	Feb. 8, 2024





**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF493.0	Renewable Naphtha	Bakersfield Renewable Fuels LLC	30.56	Feb. 9, 2023	Feb. 8, 2024
BCLCF494.0	HDRD	Bakersfield Renewable Fuels LLC	25.59	Feb. 9, 2023	Feb. 8, 2024
BCLCF495.0	Renewable Naphtha	Bakersfield Renewable Fuels LLC	25.59	Feb. 9, 2023	Feb. 8, 2024
BCLCF496.0	HDRD	Artesia Renewable Diesel Company LLC	29.34	May 8, 2023	May 7, 2024
BCLCF497.0	Renewable Naphtha	Artesia Renewable Diesel Company LLC	29.34	May 8, 2023	May 7, 2024
BCLCF498.0	HDRD	Artesia Renewable Diesel Company LLC	29.63	May 8, 2023	May 7, 2024
BCLCF499.0	Renewable Naphtha	Artesia Renewable Diesel Company LLC	29.63	May 8, 2023	May 7, 2024
BCLCF500.0	HDRD	Artesia Renewable Diesel Company LLC	25.62	May 8, 2023	May 7, 2024
BCLCF501.0	Renewable Naphtha	Artesia Renewable Diesel Company LLC	25.62	May 8, 2023	May 7, 2024
BCLCF502.0	LNG	FortisBC Energy Inc.	17.04	Dec. 16, 2022	Dec. 31, 2023
BCLCF502.1	LNG	FortisBC Energy Inc.	25.55	Jan. 1, 2024	Dec. 31, 2026
BCLCF503.0	Renewable Naphtha	Diamond Green Diesel LLC	24.72	Dec. 16, 2022	June 29, 2024
BCLCF504.0	Renewable Naphtha	Diamond Green Diesel LLC	17.65	Dec. 16, 2022	June 29, 2024
BCLCF505.0	Renewable Naphtha	Diamond Green Diesel LLC	28.63	Dec. 16, 2022	June 29, 2024
BCLCF506.0	Renewable Naphtha	Diamond Green Diesel LLC	28.09	Dec. 16, 2022	June 29, 2024
BCLCF507.0	Renewable Naphtha	Diamond Green Diesel LLC	22.08	Dec. 16, 2022	June 29, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF508.0	Renewable Naphtha	Diamond Green Diesel LLC	28.81	Dec. 16, 2022	June 29, 2024
BCLCF509.0	HDRD	Diamond Green Diesel LLC	23.36	Dec. 16, 2022	June 29, 2024
BCLCF510.0	Renewable Naphtha	Diamond Green Diesel LLC	23.36	Dec. 16, 2022	June 29, 2024
BCLCF511.0	HDRD	St Bernard Renewables LLC	27.28	Apr. 10, 2023	Apr. 9, 2024
BCLCF512.0	Renewable Naphtha	St Bernard Renewables LLC	27.28	Apr. 10, 2023	Apr. 9, 2024
BCLCF513.0	HDRD	St Bernard Renewables LLC	32.33	Apr. 10, 2023	Apr. 9, 2024
BCLCF514.0	Renewable Naphtha	St Bernard Renewables LLC	32.33	Apr. 10, 2023	Apr. 9, 2024
BCLCF515.0	HDRD	St Bernard Renewables LLC	32.86	Apr. 10, 2023	Apr. 9, 2024
BCLCF516.0	Renewable Naphtha	St Bernard Renewables LLC	32.86	Apr. 10, 2023	Apr. 9, 2024
BCLCF517.0	HDRD	St Bernard Renewables LLC	29.29	Apr. 10, 2023	Apr. 9, 2024
BCLCF518.0	Renewable Naphtha	St Bernard Renewables LLC	29.29	Apr. 10, 2023	Apr. 9, 2024
BCLCF519.0	HDRD	St Bernard Renewables LLC	23.45	Apr. 10, 2023	Apr. 9, 2024
BCLCF520.0	Renewable Naphtha	St Bernard Renewables LLC	23.45	Apr. 10, 2023	Apr. 9, 2024
BCLCF521.0	Renewable Naphtha	Montana Renewables, LLC.	21.15	Jun. 12, 2023	Jun. 12, 2024
BCLCF522.0	Renewable Naphtha	Montana Renewables, LLC.	27.04	Jun. 12, 2023	Jun. 12, 2024
BCLCF523.0	Renewable Naphtha	Montana Renewables, LLC.	25.63	Jun. 12, 2023	Jun. 12, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF524.0	Renewable Naphtha	Montana Renewables, LLC.	28.62	Jun. 12, 2023	Jun. 12, 2024
BCLCF525.0	Renewable Naphtha	Montana Renewables, LLC.	37.28	Jun. 12, 2023	Jun. 12, 2024
BCLCF526.0	Renewable Naphtha	Montana Renewables, LLC.	21.29	Jun. 12, 2023	Jun. 12, 2024
BCLCF527.0	Renewable Naphtha	Montana Renewables, LLC.	31.98	Jun. 12, 2023	Jun. 12, 2024
BCLCF528.0	Renewable Naphtha	Montana Renewables, LLC.	33.64	Jun. 12, 2023	Jun. 12, 2024
BCLCF529.0	Renewable Naphtha	Montana Renewables, LLC.	26.11	Jun. 12, 2023	Jun. 12, 2024
BCLCF530.0	HDRD	Montana Renewables, LLC.	19.95	Jun. 12, 2023	Jun. 12, 2024
BCLCF531.0	Renewable Naphtha	Montana Renewables, LLC.	19.95	Jun. 12, 2023	Jun. 12, 2024
BCLCF532.0	Ethanol	Bonanza Bioenergy	15.16	Aug. 1, 2023	Dec. 31, 2024
BCLCF533.0	Ethanol	Bonanza Bioenergy	13.60	Aug. 1, 2023	Dec. 31, 2024
BCLCF534.0	Ethanol	Bonanza Bioenergy	12.06	Aug. 1, 2023	Dec. 31, 2024
BCLCF535.0	Ethanol	Bonanza Bioenergy	10.52	Aug. 1, 2023	Dec. 31, 2024
BCLCF536.0	Ethanol	Bonanza Bioenergy	8.98	Aug. 1, 2023	Dec. 31, 2024
BCLCF537.0	Ethanol	Bonanza Bioenergy	36.72	Aug. 1, 2023	Dec. 31, 2024
BCLCF538.0	Ethanol	Bonanza Bioenergy	16.71	Aug. 1, 2023	Dec. 31, 2024
BCLCF539.0	Ethanol	Bonanza Bioenergy	15.15	Aug. 1, 2023	Dec. 31, 2024
BCLCF540.0	Ethanol	Bonanza Bioenergy	13.61	Aug. 1, 2023	Dec. 31, 2024
BCLCF541.0	Ethanol	Bonanza Bioenergy	12.07	Aug. 1, 2023	Dec. 31, 2024



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*

Low Carbon Fuels Act

**Approved Carbon Intensities – Archive**

**Information Bulletin RLCF-012a**

<b>Fuel Code</b>	<b>Fuel</b>	<b>Company</b>	<b>Carbon Intensity (gCO<sub>2</sub>e/MJ)</b>	<b>Effective Date</b>	<b>Expiry Date</b>
BCLCF542.0	Ethanol	Bonanza Bioenergy	10.53	Aug. 1, 2023	Dec. 31, 2024
BCLCF543.0	Ethanol	POET Biorefining	31.43	Jan 1, 2024	Dec 31, 2024
BCLCF545.0	Renewable Naphtha	Cheyenne Renewable Diesel Company, LLC	28.46	Sep. 25, 2023	Sep. 24, 2024
BCLCF546.0	HDRD	Cheyenne Renewable Diesel Company, LLC	27.62	Sep. 25, 2023	Sep. 24, 2024
BCLCF547.0	HDRD	Cheyenne Renewable Diesel Company, LLC	28.02	Sep. 25, 2023	Sep. 24, 2024
BCLCF548.0	HDRD	Cheyenne Renewable Diesel Company, LLC	28.46	Sep. 25, 2023	Sep. 24, 2024
BCLCF549.0	HDRD	CVR Renewables WYN, LLC	19.08	Nov. 1, 2023	Oct. 31, 2024
BCLCF550.0	Renewable Naphtha	CVR Renewables WYN, LLC	19.08	Nov. 1, 2023	Oct. 31, 2024
BCLCF551.0	HDRD	CVR Renewables WYN, LLC	19.82	Nov. 1, 2023	Oct. 31, 2024
BCLCF552.0	Renewable Naphtha	CVR Renewables WYN, LLC	19.82	Nov. 1, 2023	Oct. 31, 2024
BCLCF553.0	Renewable Naphtha	Dakota Prairie Refining, LLC	26.10	Nov. 28, 2023	Nov. 27, 2026
BCLCF554.0	Renewable Naphtha	Dakota Prairie Refining, LLC	25.70	Nov. 28, 2023	Nov. 27, 2026
BCLCF555.0	Renewable Naphtha	Dakota Prairie Refining, LLC	25.02	Nov. 28, 2023	Nov. 27, 2026
BCLCF556.0	Renewable Naphtha	Dakota Prairie Refining, LLC	17.73	Nov. 28, 2023	Nov. 27, 2026
BCLCF557.0	HDRD	Dakota Prairie Refining, LLC	18.12	Nov. 28, 2023	Nov. 27, 2026
BCLCF558.0	Renewable Naphtha	Dakota Prairie Refining, LLC	18.57	Nov. 28, 2023	Nov. 27, 2026
BCLCF559.0	LNG	FortisBC Energy Inc.	8.59	Dec. 16, 2022	Dec. 31, 2023



**Ministry of Energy,  
Mines and Low Carbon Innovation**

*Issued: July 2013  
Revised: June 5, 2024*


Low Carbon Fuels Act

Approved Carbon Intensities – Archive

Information Bulletin RLCF-012a

Fuel Code	Fuel	Company	Carbon Intensity (gCO <sub>2</sub> e/MJ)	Effective Date	Expiry Date
BCLCF559.1	LNG	FortisBC Energy Inc.	26.16	Jan. 1, 2024	Dec. 31, 2026
BCLCF560.0	LNG	FortisBC Energy Inc.	12.57	Jan. 1, 2024	Dec. 31, 2024
BCLCF561.0	Alternative Jet Fuel	Montana Renewables LLC	22.16	Mar. 1, 2024	Feb. 28, 2025
BCLCF562.0	Alternative Jet Fuel	Montana Renewables LLC	19.78	Mar. 1, 2024	Feb. 28, 2025
BCLCF563.0	Alternative Jet Fuel	Montana Renewables LLC	23.74	Mar. 1, 2024	Feb. 28, 2025
BCLCF564.0	Alternative Jet Fuel	Montana Renewables LLC	22.64	Mar. 1, 2024	Feb. 28, 2025
BCLCF565.0	Alternative Jet Fuel	Montana Renewables LLC	23.58	Mar. 1, 2024	Feb. 28, 2025
BCLCF566.0	Alternative Jet Fuel	Montana Renewables LLC	18.42	Mar. 1, 2024	Feb. 28, 2025
BCLCF567.0	Alternative Jet Fuel	Montana Renewables LLC	31.01	Mar. 1, 2024	Feb. 28, 2025
BCLCF568.0	Alternative Jet Fuel	Montana Renewables LLC	40.37	Mar. 1, 2024	Feb. 28, 2025
BCLCF569.0	Alternative Jet Fuel	Montana Renewables LLC	24.78	Mar. 1, 2024	Feb. 28, 2025
BCLCF570.0	Alternative Jet Fuel	Montana Renewables LLC	15.15	Mar. 1, 2024	Feb. 28, 2025
BCLCF576.0	Biodiesel	REG Danville, LLC	28.98	Mar. 19, 2024	Mar. 18, 2027
BCLCF577.0	Biodiesel	REG Newton, LLC	9.93	Mar. 19, 2024	Mar. 18, 2027

**Need more information?**

 <p>BRITISH COLUMBIA</p>	<p><b>Ministry of Energy, Mines and Low Carbon Innovation</b></p> <p><i>Issued: July 2013 Revised: June 5, 2024</i></p>	<p>Low Carbon Fuels Act</p> <p><b>Approved Carbon Intensities – Archive</b></p> <p><b>Information Bulletin RLCF-012a</b></p>
---	---	--

Please see the Renewable and Low Carbon Fuel website at <http://gov.bc.ca/lowcarbonfuels> or email us at [lcfs@gov.bc.ca](mailto:lcfs@gov.bc.ca)

This information is for your convenience and guidance only, and does not replace or constitute a legal interpretation of the legislation. It is recommended that parties who may be a Fuel Supplier review the *Low Carbon Fuels Act (Act)*, the Low Carbon Fuels (General) Regulation and the Low Carbon Fuels (Technical) Regulation, and seek independent legal advice to confirm their status, legal obligations and opportunities. The Act and regulations can be found on the internet at: <http://www.bclaws.ca>.