

Crowley Liner Org 023286 Tariff 002	Date Filed: 02-27-2023	Date Effective: 03-01-2023	Rule #: 18.1	Revision: 18 Publishing Code: AR
Rule Name:	Vessel Fuel Surcharge: Between the Continental US and Puerto Rico			

Except as specifically indicated in individual rate items, all shipments between the Continental United States and Puerto Rico will be subject to the following Vessel Fuel Surcharge (VFS).

NORTH ATLANTIC SERVICE:

METHODOLOGY: For cargo sailing between Eddystone, PA (PENN Terminals) and Puerto Rico, Crowley will calculate the average of New York and Houston 0.1% Ultra Low Sulfur (MGO) fuel prices, equally weighted as published by [Ship and Bunker](#). The average price will be calculated based on the daily price for each month. If the average price is higher or lower than the current index tier average price, Crowley will adjust the fuel charge based on the Vessel Fuel Surcharge Index corresponding tier approximately 30 days later.

Trailer load or Container load via North Atlantic ports:

Effective Date	NY MGO Average	20'	40'	45'	48'	53'	VEH or NIT ≤ 1099 CFT	NIT ≥ 1100 CFT
7/1/2020	\$313.14	\$185	\$260	\$285	\$300	\$345	\$72	\$260
10/1/2020	\$366.45	\$185	\$260	\$285	\$300	\$345	\$72	\$260
1/1/2021	\$357.10	\$185	\$260	\$285	\$300	\$345	\$72	\$260
4/1/2021	\$485.91	\$185	\$260	\$285	\$300	\$345	\$72	\$260
7/1/2021	\$571.14	\$275	\$350	\$375	\$390	\$435	\$108	\$350
10/1/2021	\$613.66	\$275	\$350	\$375	\$390	\$435	\$108	\$350
1/1/2022	\$705.19	\$365	\$440	\$465	\$480	\$525	\$144	\$440
4/1/2022	\$770.57	\$410	\$485	\$510	\$525	\$570	\$162	\$485
4/15/2022	\$1,134.80	\$680	\$755	\$780	\$795	\$840	\$270	\$755
5/1/2022	\$1,167.27	\$725	\$800	\$825	\$840	\$885	\$288	\$800
6/1/2022	\$1,280.63	\$815	\$890	\$915	\$930	\$975	\$324	\$890
Effective Date	NY/HOU MGO Combined Average	20'	40'	45'	48'	53'	VEH or NIT ≤ 1099 CFT	NIT ≥ 1100 CFT
7/10/2022	\$1,424.68	\$905	\$980	\$1,005	\$1,020	\$1,065	\$360	\$980
9/01/2022	\$1,220.33	\$770	\$845	\$870	\$885	\$930	\$306	\$845
10/01/2022	\$1,134.36	\$680	\$755	\$780	\$795	\$840	\$270	\$755
11/01/2022	\$1,098.49	\$635	\$710	\$735	\$750	\$795	\$252	\$710
12/01/2022	\$1,195.31	\$725	\$800	\$825	\$840	\$885	\$288	\$800
01/01/2023	\$1,102.42	\$680	\$755	\$780	\$795	\$840	\$270	\$755
02/01/2023	\$937.38	\$545	\$620	\$645	\$660	\$705	\$216	\$620
03/01/2023	\$1,005.40	\$590	\$665	\$690	\$705	\$750	\$234	\$665

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SOUTH ATLANTIC SERVICE:

METHODOLOGY: For cargo sailing between Jacksonville, FL and Puerto Rico, Crowley will use a combination of two indexes to calculate the monthly average. Crowley will utilize New York and Houston 0.1% Ultra Low Sulfur (MGO) fuel prices, equally weighted as published by [Ship and Bunker](#) and Henry Hub's Natural Gas (LNG) price as published by the [U.S. Energy Information Administration](#). The index will be weighted 85% LNG and 15% MGO.

Trailer load or Container load via South Atlantic ports:

Effective Date	NY MGO Average	LNG Average	20'	40'	45'	48'	53'	VEH or NIT < 1099 CFT	NIT ≥ 1100 CFT
7/1/2020	\$313	\$1.76	\$185	\$260	\$285	\$300	\$345	\$72	\$260
10/1/2020	\$366.45	\$1.90	\$185	\$260	\$285	\$300	\$345	\$72	\$260
1/1/2021	\$357.10	\$2.30	\$262	\$337	\$362	\$377	\$422	\$103	\$337
4/1/2021	\$485.91	\$2.80	\$338	\$413	\$438	\$453	\$498	\$133	\$413
	<i>Removed 5 days from LNG average, as it increased the average to \$3.52, due to the 2021 winter storm.</i>								
7/1/2021	\$571.14	\$2.73	\$313	\$388	\$413	\$428	\$473	\$123	\$388
10/1/2021	\$613.66	\$3.72	\$348	\$423	\$448	\$463	\$508	\$138	\$423
1/1/2022	\$705.19	\$5.25	\$489	\$564	\$589	\$604	\$649	\$194	\$564
4/1/2022	\$770.57	\$4.254	\$432	\$507	\$532	\$547	\$592	\$172	\$507
4/15/2022	\$1,134.80	\$4.650	\$493	\$569	\$593	\$609	\$653	\$196	\$569
5/1/2022	\$1,167.27	\$5.035	\$543	\$619	\$643	\$659	\$703	\$216	\$619
6/1/2022	\$1,280.63	\$6.420	\$663	\$739	\$763	\$779	\$823	\$264	\$739
Effective Date	NY/HOU MGO Combined Average	LNG Average	20'	40'	45'	48'	53'	VEH or NIT < 1099 CFT	NIT ≥ 1100 CFT
7/10/2022	\$1,424.68	\$7.970	\$702	\$776	\$802	\$816	\$862	\$279	\$776
9/01/2022	\$1,220.33	\$7.285	\$648	\$722	\$748	\$762	\$808	\$257	\$722
10/01/2022	\$1,134.36	\$8.806	\$736	\$811	\$836	\$851	\$896	\$293	\$811
11/01/2022	\$1,098.49	\$7.880	\$662	\$736	\$762	\$776	\$822	\$263	\$736
12/01/2022	\$1,195.31	\$5.661	\$539	\$613	\$639	\$653	\$699	\$214	\$613
01/01/2023	\$1,102.42	\$5.451	\$498	\$573	\$598	\$613	\$658	\$198	\$573
02/01/2023	\$937.38	\$5.603	\$512	\$586	\$612	\$626	\$672	\$203	\$586
03/01/2023	\$1,005.40	\$3.273	\$349	\$423	\$449	\$463	\$509	\$138	\$423

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SOUTH ATLANTIC SERVICE CALCULATION

CALCULATION STEPS:		CALCULATION EXAMPLE:																		
1.	Calculate MGO Quarterly average	MGO Average: \$530/MT																		
2.	Find the corresponding tier on the MGO index	MGO Corresponding Tier: \$500-\$559																		
		<table border="1"> <tr> <th>From</th> <th>To</th> <th>20'</th> <th>40'</th> <th>45'</th> <th>48'</th> <th>53'</th> <th>VEH</th> <th>NIT</th> </tr> <tr> <td>\$500</td> <td>\$559</td> <td>\$230</td> <td>\$305</td> <td>\$330</td> <td>\$345</td> <td>\$390</td> <td>\$90</td> <td>\$305</td> </tr> </table>	From	To	20'	40'	45'	48'	53'	VEH	NIT	\$500	\$559	\$230	\$305	\$330	\$345	\$390	\$90	\$305
From	To	20'	40'	45'	48'	53'	VEH	NIT												
\$500	\$559	\$230	\$305	\$330	\$345	\$390	\$90	\$305												
3.	Multiply the 40' amount by 15% (round up)	MGO 40' → \$305 x 15% = \$45.75 → \$46																		
4.	Calculate the LNG Quarterly average	LNG Average: \$2.30/MMBTU																		
5.	Find the corresponding tier on the LNG index	LNG Corresponding Tier: \$2.26-\$2.50																		
		<table border="1"> <tr> <th>From</th> <th>To</th> <th>20'</th> <th>40'</th> <th>45'</th> <th>48'</th> <th>53'</th> <th>VEH</th> <th>NIT</th> </tr> <tr> <td>\$2.25</td> <td>\$2.49</td> <td>\$235</td> <td>\$310</td> <td>\$335</td> <td>\$350</td> <td>\$395</td> <td>\$92</td> <td>\$310</td> </tr> </table>	From	To	20'	40'	45'	48'	53'	VEH	NIT	\$2.25	\$2.49	\$235	\$310	\$335	\$350	\$395	\$92	\$310
From	To	20'	40'	45'	48'	53'	VEH	NIT												
\$2.25	\$2.49	\$235	\$310	\$335	\$350	\$395	\$92	\$310												
6.	Multiply the 40' amount by 85% (round up)	LNG 40' → \$310 x 85% = \$263.50 → \$264																		
7.	Add steps 3 and 6 together (round up)	\$46 + \$264 = \$310																		
8.	Calculate the difference from step 7 to current 40' fuel level	\$310 - \$260 (CURRENT 40' LEVEL) = +\$50 for the 40' LEVEL																		
9.	Repeat for each equipment size or type	Repeat for each equipment size or type																		

VESSEL FUEL INDEX TABLES

PUERTO RICO VESSEL FUEL INDEX (MGO)								
From	To	20'	40'	45'	48'	53'	VEH or NIT < 1099 CFT	NIT ≥ 1100 CFT
\$0	\$499	\$185	\$260	\$285	\$300	\$345	\$72	\$260
\$500	\$559	\$230	\$305	\$330	\$345	\$390	\$90	\$305
\$560	\$619	\$275	\$350	\$375	\$390	\$435	\$108	\$350
\$620	\$679	\$320	\$395	\$420	\$435	\$480	\$126	\$395
\$680	\$739	\$365	\$440	\$465	\$480	\$525	\$144	\$440
\$740	\$799	\$410	\$485	\$510	\$525	\$570	\$162	\$485
\$800	\$859	\$455	\$530	\$555	\$570	\$615	\$180	\$530
\$860	\$919	\$500	\$575	\$600	\$615	\$660	\$198	\$575
\$920	\$979	\$545	\$620	\$645	\$660	\$705	\$216	\$620
\$980	\$1,039	\$590	\$665	\$690	\$705	\$750	\$234	\$665
\$1,040	\$1,099	\$635	\$710	\$735	\$750	\$795	\$252	\$710
\$1,100	\$1,159	\$680	\$755	\$780	\$795	\$840	\$270	\$755
\$1,160	\$1,219	\$725	\$800	\$825	\$840	\$885	\$288	\$800
\$1,220	\$1,279	\$770	\$845	\$870	\$885	\$930	\$306	\$845
\$1,280	\$1,339	\$815	\$890	\$915	\$930	\$975	\$324	\$890
\$1,340	\$1,399	\$860	\$935	\$960	\$975	\$1,020	\$342	\$935
\$1,400	\$1,459	\$905	\$980	\$1,005	\$1,020	\$1,065	\$360	\$980
\$1,460	\$1,519	\$950	\$1,025	\$1,050	\$1,065	\$1,110	\$378	\$1,025
\$1,520	\$1,579	\$995	\$1,070	\$1,095	\$1,110	\$1,155	\$396	\$1,070
\$1,580	\$1,639	\$1,040	\$1,115	\$1,140	\$1,155	\$1,200	\$414	\$1,115
\$1,640	\$1,699	\$1,085	\$1,160	\$1,185	\$1,200	\$1,245	\$432	\$1,160
\$1,700	\$1,759	\$1,130	\$1,205	\$1,230	\$1,245	\$1,290	\$450	\$1,205
\$1,760	\$1,819	\$1,175	\$1,250	\$1,275	\$1,290	\$1,335	\$468	\$1,250

***Abbreviated scale. Will continue past \$1,819*

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PUERTO RICO VESSEL FUEL INDEX (LNG)								
From	To	20'	40'	45'	48'	53'	VEH or NIT < 1099 CFT	NIT ≥ 1100 CFT
\$0.00	\$1.99	\$185	\$260	\$285	\$300	\$345	\$72	\$260
\$2.00	\$2.49	\$225	\$300	\$325	\$340	\$385	\$88	\$300
\$2.50	\$2.99	\$265	\$340	\$365	\$380	\$425	\$104	\$340
\$3.00	\$3.49	\$305	\$380	\$405	\$420	\$465	\$120	\$380
\$3.50	\$3.99	\$345	\$420	\$445	\$460	\$505	\$136	\$420
\$4.00	\$4.49	\$385	\$460	\$485	\$500	\$545	\$152	\$460
\$4.50	\$4.99	\$425	\$500	\$525	\$540	\$585	\$168	\$500
\$5.00	\$5.49	\$465	\$540	\$565	\$580	\$625	\$184	\$540
\$5.50	\$5.99	\$505	\$580	\$605	\$620	\$665	\$200	\$580
\$6.00	\$6.49	\$545	\$620	\$645	\$660	\$705	\$216	\$620
\$6.50	\$6.99	\$585	\$660	\$685	\$700	\$745	\$232	\$660
\$7.00	\$7.49	\$625	\$700	\$725	\$740	\$785	\$248	\$700
\$7.50	\$7.99	\$665	\$740	\$765	\$780	\$825	\$264	\$740
\$8.00	\$8.49	\$705	\$780	\$805	\$820	\$865	\$280	\$780
\$8.50	\$8.99	\$745	\$820	\$845	\$860	\$905	\$296	\$820
\$9.00	\$9.49	\$785	\$860	\$885	\$900	\$945	\$312	\$860
\$9.50	\$9.99	\$825	\$900	\$925	\$940	\$985	\$328	\$900
\$10.00	\$10.49	\$865	\$940	\$965	\$980	\$1,025	\$344	\$940
\$10.50	\$10.99	\$905	\$980	\$1,005	\$1,020	\$1,065	\$360	\$980
\$11.00	\$11.49	\$945	\$1,020	\$1,045	\$1,060	\$1,105	\$376	\$1,020
\$11.50	\$11.99	\$985	\$1,060	\$1,085	\$1,100	\$1,145	\$392	\$1,060
\$12.00	\$12.49	\$1,025	\$1,100	\$1,125	\$1,140	\$1,185	\$408	\$1,100
\$12.50	\$12.99	\$1,065	\$1,140	\$1,165	\$1,180	\$1,225	\$424	\$1,140
\$13.00	\$13.49	\$1,105	\$1,180	\$1,205	\$1,220	\$1,265	\$440	\$1,180
\$13.50	\$13.99	\$1,145	\$1,220	\$1,245	\$1,260	\$1,305	\$456	\$1,220
\$14.00	\$14.49	\$1,185	\$1,260	\$1,285	\$1,300	\$1,345	\$472	\$1,260

****Abbreviated scale. Will continue past \$14.49**

US/PUERTO RICO FUEL HISTORY JANUARY 2016 TO APRIL 2020