

Crowley Liner Org 023286 Tariff 002	<b>Date Filed:</b> 12/07/2021	<b>Date Effective:</b> 01/01/2022	<b>Rule #:</b> 18.1	<b>Revision:</b> 5 <b>Publishing Code:</b> A
<b>Rule Name:</b>	Vessel Fuel Surcharge: Between the Continental US and Puerto Rico			

## **UNITED STATES to/from 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 quarterly average of the New York MGO Fuel price as published by [Platts Bunkerworld](#). If the quarterly 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 on the first day of the following month (approximately 30 days later). *See example below.*

Review Period	Effective Date
September, October, November	January 1
December, January, February	April 1
March, April, May	July 1
June, July, August	October 1

### **Trailer load or Container load via North Atlantic ports:**

Effective Date	NY MGO Average	20'	40'	45'	48'	53'	VEH	NIT
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

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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 quarterly average. We will utilize New York MGO Fuel price as published by [Platts Bunkerworld](#) 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.

Crowley will adjust the fuel based on the change in fuel price on a quarterly basis per the below:

Review Period	Effective Date
September, October, November	January 1
December, January, February	April 1
March, April, May	July 1
June, July, August	October 1

### **Trailer load or Container load via South Atlantic ports:**

Effective Date	NY MGO Average	LNG Average	20'	40'	45'	48'	53'	VEH	NIT
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

## **SOUTH ATLANTIC SERVICE CALCULATION**

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

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### VESSEL FUEL INDEX TABLES

PUERTO RICO VESSEL FUEL INDEX (MGO)								
From	To	20'	40'	45'	48'	53'	VEH	NIT
\$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

\*\*Abbreviated scale. Will continue past \$1,519

PUERTO RICO VESSEL FUEL INDEX (LNG)								
From	To	20'	40'	45'	48'	53'	VEH	NIT
\$0.00	\$1.99	\$185	\$260	\$285	\$300	\$345	\$72	\$260
\$2.00	\$2.24	\$210	\$285	\$310	\$325	\$370	\$82	\$285
\$2.25	\$2.49	\$235	\$310	\$335	\$350	\$395	\$92	\$310
\$2.50	\$2.74	\$260	\$335	\$360	\$375	\$420	\$102	\$335
\$2.75	\$2.99	\$285	\$360	\$385	\$400	\$445	\$112	\$360
\$3.00	\$3.24	\$310	\$385	\$410	\$425	\$470	\$122	\$385
\$3.25	\$3.49	\$335	\$410	\$435	\$450	\$495	\$132	\$410
\$3.50	\$3.74	\$360	\$435	\$460	\$475	\$520	\$142	\$435
\$3.75	\$3.99	\$385	\$460	\$485	\$500	\$545	\$152	\$460
\$4.00	\$4.24	\$410	\$485	\$510	\$525	\$570	\$162	\$485
\$4.25	\$4.49	\$435	\$510	\$535	\$550	\$595	\$172	\$510
\$4.50	\$4.74	\$460	\$535	\$560	\$575	\$620	\$182	\$535
\$4.75	\$4.99	\$485	\$560	\$585	\$600	\$645	\$192	\$560
\$5.00	\$5.24	\$510	\$585	\$610	\$625	\$670	\$202	\$585
\$5.25	\$5.49	\$535	\$610	\$635	\$650	\$695	\$212	\$610
\$5.50	\$5.74	\$560	\$635	\$660	\$675	\$720	\$222	\$635
\$5.75	\$5.99	\$585	\$660	\$685	\$700	\$745	\$232	\$660
\$6.00	\$6.24	\$610	\$685	\$710	\$725	\$770	\$242	\$685
\$6.25	\$6.49	\$635	\$710	\$735	\$750	\$795	\$252	\$710
\$6.50	\$6.74	\$660	\$735	\$760	\$775	\$820	\$262	\$735
\$6.75	\$6.99	\$685	\$760	\$785	\$800	\$845	\$272	\$760

\*\*Abbreviated scale. Will continue past \$7.00

## US/PUERTO RICO FUEL HISTORY JANUARY 2016 TO APRIL 2020