

Platts

S&P Global

Energy

Specifications Guide

Americas Refined Oil Products

Latest update: May 2026

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Definitions of the trading locations for which Platts publishes daily indexes or assessments

All the assessments listed here employ S&P Global Energy Platts Assessments Methodology, as published at <https://www.spglobal.com/content/dam/spglobal/ci/en/documents/platts/en/our-methodology/methodology-specifications/platts-assessments-methodology-guide.pdf>

This guide is designed to give Platts subscribers as much information as possible about a wide range of methodology and specification questions.

This guide is current at the time of publication. Platts may issue further updates and enhancements to this guide and will announce these to subscribers through its usual publications of record. Such updates will be included in the next version of this guide. Platts editorial staff and managers are available to provide guidance when assessment issues require clarification.

Pipeline assessments: Platts US refined product pipeline assessments reflect product specifications of the relevant pipeline, unless otherwise specified. These are updated periodically by the pipeline companies and Platts assessments reflect the latest specifications.

Renewable identification numbers: Platts US domestic refined product assessments reflect the tradable value of products in the spot market, which, for road transport fuels includes the cost of meeting renewable volume obligations (RVOs) mandated by the US Environmental Protection Agency. However, this cost, represented by the spot market value of RINs, is typically deducted from the value of export and import cargo assessments.

US gasoline, diesel assessments excluding RVO: Platts launched assessments for US gasoline and diesel excluding Renewable Volume Obligation values from Oct. 1, 2025. The daily assessments and their respective monthly averages reflect the

value of gasoline and diesel, excluding the RVO value, published on an outright basis in US cents/gal. The assessments reflect a 1:30 pm CT Houston close and will follow the Houston publishing schedule.

Oil Spill and Superfund taxes: All Platts domestic US refined product assessments inherently reflect the value of all taxes, including the Oil Spill and Superfund taxes, which may have already been applied previously.

Nomination procedures: For most FOB assessments, it is the seller, as terminal party, who nominates the terminal and loading date. For most delivered assessments, it is the buyer, as terminal party, who nominates the terminal and delivery date.

Platts understands that there are various public dock clauses used in the spot market. In the event that terminal dates do not meet the reported transaction laycan, the terminal party could apply these clauses to extend demurrage liabilities for the vessel party. For example, if a terminal date obtained was two days after the transaction laycan, and the vessel arrives within the transaction laycan, the vessel party could be liable for those two days of demurrage under some public dock clauses.

Terminal parties for trades reported to Platts should ensure that they seek terminal dates that meet the reported transaction laycan. If the terminal party fails to obtain terminal dates that meet the laycan, then the terminal party should bear the cost of the extended demurrage.

Exchange of Futures for Physical (EFPs): In the Americas, many physical refined products trade at a differential to an underlying oil futures contract: light sweet crude oil, New York Harbor RBOB gasoline barges or New York Harbor ULSD barges. The primary exchange used to date is the New York Mercantile

Exchange (NYMEX). For assessments to be robust and fully reflective of spot values, the values of both the EFP as well as the underlying futures contract must be established at the same time.

When analyzing bids, offers and expressions of interest to trade that are submitted as an EFP versus a futures contract (e.g. July RBOB 1 cent/gal), Platts will use the official NYMEX settlement price at 2:30 pm ET for the futures contract in question to calculate the flat price for the assessment.

Explanation of the Strip: Strips are assessed in certain US refined product markets, particularly fuel oil, to aid in the assessment of market value. This explanation for the Strip describes how it is determined, and its application in Platts MOC assessment process.

The Platts MOC assessment process determines the value of physical commodities for forward delivery or loading at a wide variety of locations across the Americas. Many of these commodities trade on an outright price basis – where the full price is known at time of trade -- or on a Platts-related floating price basis – where much of the value is determined by basis prices that will be published in the future. Additionally, some products are typically traded as EFPs, where the difference in value between a physical market and a basis futures contract is an important component in establishing the value of the physical market being assessed.

When the value of commodities is clearly defined through outright price market activity, such activity can help establish value with a high degree of certainty. When there is a lack of outright price activity in a market, or when the most clearly defined market activity is demonstrated on a floating price basis, it becomes critical to track the value the market assigns to future, yet-to-be published basis values.

In derivatives markets, a Strip is any contiguous data series in the future. A “Summer Strip” might be April, May, June, July, August and September. An “Annual Strip” would typically be 12 consecutive months. A Platts Strip is a sequence of days that represent the future loading dates reflected in Platts oil product assessments, and represents the value the market assigns to future Platts assessments, through trading in Platts-related, monthly derivatives. This value is determined by analyzing the derivatives market.

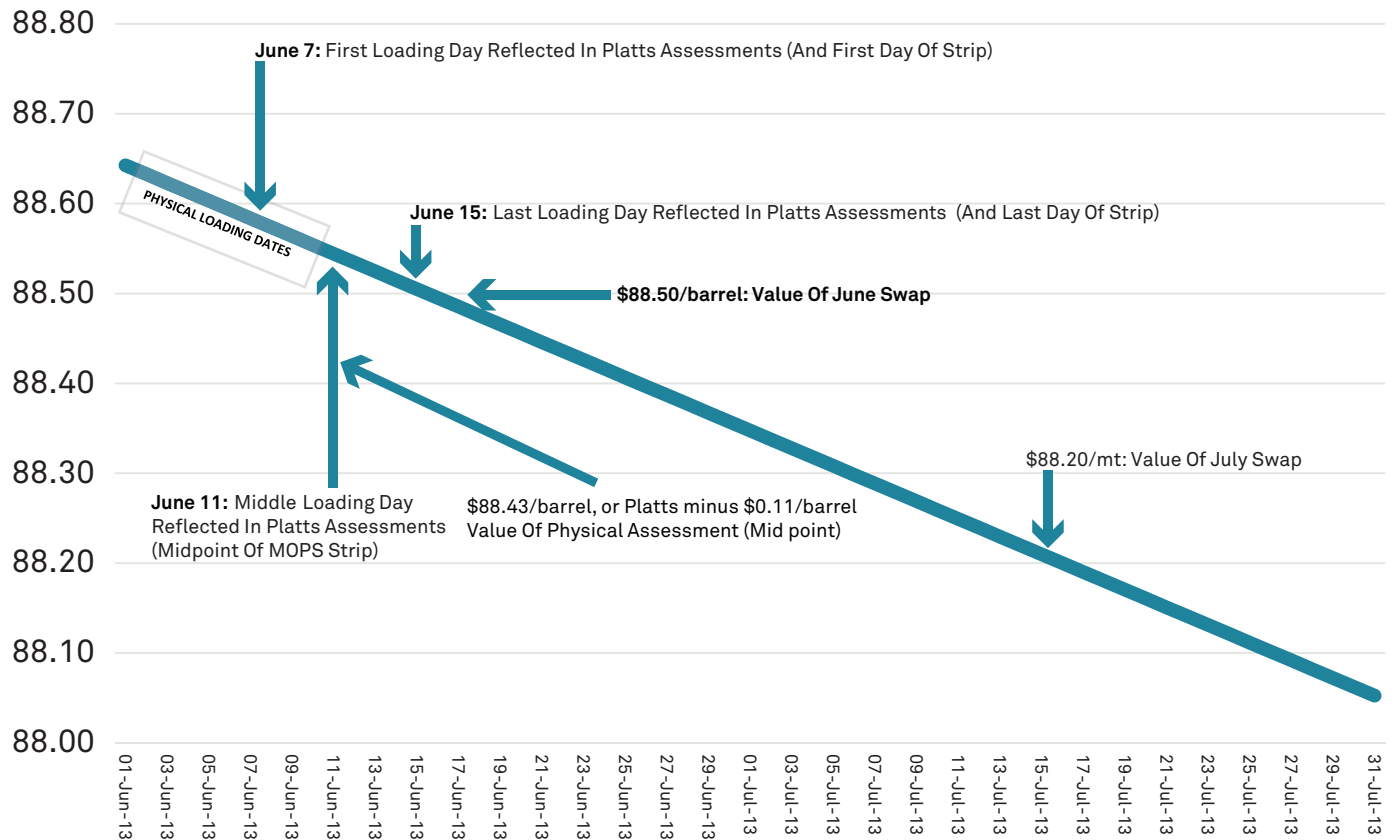
As financially settled contracts, derivatives derive their value from published benchmark assessments. Financially settled contracts do not entail the physical delivery of oil. For example, if a 50,000-barrel June derivative was bought at \$88.00/b, the seller would pay the buyer \$1/b (or \$50,000 in this example) if the underlying benchmark averaged \$89.00/b over the month of June; the buyer would pay the seller \$1/b (or \$50,000 in this example) if the basis price averaged \$87.00/b. Oil derivatives, commonly used to hedge exposure to benchmark prices in the future, are generally traded for full months, as well as the balance of the prevailing month.

The final, financial settlement of a derivative can only be completed when all the value that comprise the average are known (i.e., after the last publishing day in June, for a derivative contract that references the average of published prices in June).

Just like derivatives, physical cargoes that trade on a Platts-related floating price basis ultimately derive a final value over a pre-determined period of time in the future – usually around loading/discharge dates, with a premium or discount applied to reflect market structure, and possible differences in specification, location and trading terms.

The Platts Strip is used as a component in measuring the value of the physical market, when floating price trading is common. The Strip represents an underlying, market-assigned future value for the Platts assessments, and it

Illustration of the Strip



is an important component in fully analyzing the price of physical cargoes when they are regularly traded on a floating price basis. While the value that Platts will publish in its assessments can never be known at the time of trading a cargo that will be delivered and priced in the future, a hedgeable, proxy value for the relevant Platts assessments for the future can be extrapolated from derivative markets, so long as the derivative being analyzed, and the floating price

physical contract being valued, use the same Platts price for final settlement.

Platts therefore publishes a Platts Strip in markets where physical cargoes trade at both fixed-price levels, and as premiums or discounts to the Platts assessment itself. It is published when there is a vibrant derivatives market to serve as the basis for analysis.

By standing in as a hedgeable proxy value for the Platts-related element of a floating price cargo, the Strip is essential to determining the flat-price equivalent value of a cargo that is traded as a premium or discount to the Platts assessment.

As an example, the Platts USGC HSFO assessment is based on cargoes loading 7-15 days from the date of the assessment. Hence, if today is May 31, the assessments will reflect the value of cargoes loading during June 7-15.

The Platts Strip is the value of the derivatives market on those assessment days; in this particular example, the mid-point of the assessed period is June 11.

This is a specific sample calculation for how the MOPS strip would be calculated:

USGC HSFO on May 31, 2017 (\$/barrel)

June (derivative): \$48.50

July (derivative): \$48.20

June/July spread: +30 cents (backwardation)

Physical USGC HSFO (loading on June 7-15): \$48.43

Since there are 30.5 days between mid-June (30 days) and mid-July (31 days) – we calculate the daily backwardation value to be +0.9836 cents (from +0.30/30.5). Since there are four days between mid-June (June 15) and the mid-point date for physical assessment (June 11), the calculated Strip value is:

$$= \$48.50 + (0.009836 \times 4)$$

$$= \$48.54 \text{ (rounded to two decimal places)}$$

In terms of the application of Strip in the Platts assessment process, the Strip provides the third leg when triangulating the physical value of the market using the formula “physical value = Platts plus premium (or discount).” The Strip defines the value of “Platts” in this equation. Again, this value is what the market has determined the future, yet to be published Platts assessments are able to be hedged at in the derivatives marketplace.

In an example, the difference between the physical value arrived at by the close of the assessment process and the Strip yields either a positive value or a negative value. This is the premium or the discount at which the physical market is trading versus future Platts assessments. In this case:

Physical premium (or discount) = Physical assessment - MOPS strip

$$\text{Physical premium (or discount)} = \$48.43 - \$48.54$$

$$\text{Physical premium (or discount)} = \text{minus } \$0.11$$

In a second example, the reverse process also generates a value. If Platts assessed the physical market premium as being MOPS minus \$0.11, the following equation could be applied:

Physical assessment = MOPS plus premium (or discount)

$$\text{Physical assessment} = \$48.54 - \$0.11$$

$$\text{Physical assessment} = \$48.43$$

LPGs/NGLs

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM	Conv
Purity Ethane Enterprise Mt Belvieu Mo01	PMUDB05	PMUDG03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	7.42
Purity Ethane Enterprise Mt Belvieu Mo02	AAWUC00	AAWUC03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	7.42
E/P Mix Conway spot	PMAA000	PMAA003	FOB	Conway, KS	Min. 3 days, any barrel	5,000	-	-	US Cents	Gallon	-
E/P Mix Enterprise Mt Belvieu Mo01	PMUDA05	PMUDA03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	-
Propane Conway spot	PMAAT00	PMAAT03	FOB	Conway, KS	Min. 3 days, any barrel	5,000	-	-	US Cents	Gallon	5.21
Propane Conway Pipeline Mo02	AEDMX00	AEDMX03	FOB	Conway,KS	Min. 3 days, any barrel	5,000	-	-	US cents	Gallon	5.21
Propane Energy Transfer Mt Belvieu Mo01	PMABQ00	PMABQ03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	5.21
Propane Energy Transfer Mt Belvieu Mo02	AAWUE00	AAWUE03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	5.21
Propane Enterprise Mt Belvieu Mo01	PMAAY00	PMAAY03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	5.21
Propane Enterprise Mt Belvieu Mo02	AAWUD00	AAWUD03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	5.21
Propane Enterprise Mt Belvieu \$/mt Mo01	AAxDD00	AAxDD03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US\$	MT	5.21
Propane Hattiesburg spot	AALBC00	AALBD00	FOB	Hattiesburg, MS	Min. 3 days, any barrel	5,000	-	-	US Cents	Gallon	5.21
Propane FOB USGC (\$/mt)	AAXIM00	AAXIM03	FOB	USGC	30-45 days	44,000	44,000	-	US\$	MT	5.21
Propane FOB USGC vs Mt Belvieu (\$/mt)	AAXIO00	AAXIO03	FOB	USGC	30-45 days	44,000	44,000	-	US\$	MT	5.21
Propane FOB USGC (cts/gal)	AAXIN00	AAXIN03	FOB	USGC	30-45 days	44,000	44,000	-	US Cents	Gallon	5.21
Propane FOB USGC vs Mt Belvieu (cts/gal)	AAXIP00	AAXIP03	FOB	USGC	30-45 days	44,000	44,000	-	US Cents	Gallon	5.21
Butane FOB USGC (\$/mt)	ABTNB00	ABTNB03	FOB	USGC	30-45 days	44,000	44,000	-	US\$	MT	4.53
Butane FOB USGC vs Mt Belvieu (\$/mt)	ABTND00	ABTND03	FOB	USGC	30-45 days	44,000	44,000	-	US\$	MT	4.53
Butane FOB USGC (cts/gal)	ABTNA00	ABTNA03	FOB	USGC	30-45 days	44,000	44,000	-	US Cents	Gallon	4.53
Butane FOB USGC vs Mt Belvieu (cts/gal)	ABTNC00	ABTNC03	FOB	USGC	30-45 days	44,000	44,000	-	US Cents	Gallon	4.53
LPG 22:22 FOB USGC (\$/mt)	ALPUB00	ALPUB03	FOB	USGC	30-45 days	44,000	44,000	-	US\$	MT	4.87
LPG 22:22 FOB USGC vs Mt Belvieu (\$/mt)	ALPUD00	ALPUD03	FOB	USGC	30-45 days	44,000	44,000	-	US\$	MT	4.87
LPG 22:22 FOB USGC (cts/gal)	ALPUA00	ALPUA03	FOB	USGC	30-45 days	44,000	44,000	-	US Cents	Gallon	4.87
LPG 22:22 FOB USGC vs Mt Belvieu (cts/gal)	ALPUC00	ALPUC03	FOB	USGC	30-45 days	44,000	44,000	-	US Cents	Gallon	4.87
Butane Conway spot	PMAAD00	PMAAD03	FOB	Conway, KS	Min. 3 days, any barrel	5,000	-	-	US Cents	Gallon	4.53
Butane Energy Transfer Mt Belvieu	PMABR00	PMABR03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	4.53
Butane Enterprise Mt Belvieu Mo01	PMAAI00	PMAAI03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	4.53
Butane Enterprise Mt Belvieu Mo02	AAWUF00	AAWUF03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	4.53
Butane Enterprise Mt Belvieu \$/mt Mo01	AAXDC00	AAXDC03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US\$	MT	4.53
Isobutane Conway spot	PMAAA00	PMAAA03	FOB	Conway, KS	Min. 3 days, any barrel	5,000	-	-	US Cents	Gallon	4.7
Isobutane Enterprise Mt Belvieu	PMAAB00	PMAAB03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	10,000	-	-	US Cents	Gallon	4.7
Natural Gasoline Enterprise Mt Belvieu Mo01	PMABY05	PMABZ03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	3.97
Natural Gasoline Enterprise Mt Belvieu Mo02	AAWUG00	AAWUG03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	3.97
Natural Gasoline Targa Mt Belvieu	PMABW05	PMABX03	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	3.97
Natural Gasoline Energy Transfer Mt Belvieu	AAIVF00	AAIVG00	FOB	Mont Belvieu, TX	Min. 3 days, any barrel	25,000	-	-	US Cents	Gallon	3.97
Natural Gasoline Conway spot	PMAAQ00	PMAAQ03	FOB	Conway, KS	Min. 3 days, any barrel	5,000	-	-	US Cents	Gallon	3.97
Propane Edmonton Mo01	AEDMG00	AEDMG03	ITT	Edmonton	Any barrel	1,000	-	-	US\$	Gallon	5.21
Propane Edmonton Mo01 Vs Conway Mo01	AEDMH00	AEDMH03	ITT	Edmonton	Any barrel	1,000	-	-	US\$	Gallon	5.21
Propane Edmonton Mo01 (C\$/Cu m)	AEDML00	AEDML03	ITT	Edmonton	Any barrel	1,000	-	-	C\$	cu m	-

LPGs/NGLs

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM	Conv
Propane Edmonton Mo01 Vs Conway Mo01 (C\$/Cu m)	AEDNE00	AEDNE03	ITT	Edmonton	Any barrel	1,000	-	-	C\$	cu m	-
Propane Edmonton Mo02	AEDMI00	AEDMI03	ITT	Edmonton	Any barrel	1,000	-	-	US\$	Gallon	5.21
Propane Edmonton Mo02 Vs Conway Mo02	AEDMJ00	AEDMJ03	ITT	Edmonton	Any barrel	1,000	-	-	US\$	Gallon	5.21
Propane Edmonton Mo02 (C\$/Cu m)	AEDMM00	AEDMM03	ITT	Edmonton	Any barrel	1,000	-	-	C\$	cu m	-
Propane Edmonton Mo02 vs Conway Mo02 (C\$/cu m)	AEDNF00	AEDNF03	ITT	Edmonton	Any barrel	1,000	-	-	C\$	cu m	-
Canada WTI CMA current month	AEDMS00	-	-	Canada	-	-	-	-	US\$	bbl	-
Canada WTI CMA current month (C\$/Cu m)	AEDMY00	-	-	Canada	-	-	-	-	C\$	cu m	-
Butane Edmonton Mo01	AEDMA00	AEDMA03	ITT	Edmonton	Any barrel	500	-	-	US\$	Gallon	4.53
Butane Edmonton Mo01 vs CMA Ratio Mo01	AEDMB00	AEDMB03	ITT	Edmonton	Any barrel	500	-	-	-	%	-
Butane Edmonton Mo01 (C\$/Cu m)	AEDMN00	AEDMN03	ITT	Edmonton	Any barrel	500	-	-	C\$	cu m	-
Canada WTI CMA M1	AEDMT00	-	-	Canada	-	-	-	-	US\$	bbl	-
Canada WTI CMA M1 (C\$/Cu m)	AEDMZ00	-	-	Canada	-	-	-	-	C\$	cu m	-
Butane Edmonton Mo02	AEDMC00	AEDMC03	ITT	Edmonton	Any barrel	500	-	-	US\$	Gallon	4.53
Butane Edmonton Mo02 vs CMA Ratio Mo02	AEDMD00	AEDMD03	ITT	Edmonton	Any barrel	500	-	-	-	%	-
Butane Edmonton Mo02 (C\$/Cu m)	AEDM000	AEDM003	ITT	Edmonton	Any barrel	500	-	-	C\$	cu m	-
Propane Sarnia spot	AEDMK00	AEDMK03	ITT	Sarnia	Any barrel	-	-	6,000	US\$	Gallon	5.21
Propane Sarnia spot vs Mt Belvieu Mo01	AEDMU00	AEDMU03	ITT	Sarnia	Any barrel	-	-	6,000	US\$	Gallon	5.21
Propane Sarnia spot (C\$/Cu m)	AEDMQ00	AEDMQ03	ITT	Sarnia	Any barrel	-	-	6,000	C\$	cu m	-
Propane Sarnia spot vs Mt Belvieu Mo01 (C\$/Cu m)	AEDNA00	AEDNA03	ITT	Sarnia	Any barrel	-	-	6,000	C\$	cu m	-
Butane Sarnia Mo01	AEDME00	AEDME03	ITT	Sarnia	Any barrel	-	-	6,000	US\$	Gallon	4.53
Butane Sarnia Mo01 vs Butane Enterprise Mt Belvieu Mo01	AEDMV00	AEDMV03	ITT	Sarnia	Any barrel	-	-	6,000	US\$	Gallon	4.53
Butane Sarnia Mo01 (C\$/Cu m)	AEDMP00	AEDMP03	ITT	Sarnia	Any barrel	-	-	6,000	C\$	cu m	-
Butane Sarnia Mo01 vs Butane Enterprise Mt Belvieu Mo01 (C\$/cu m)	AEDNB00	AEDNB03	ITT	Sarnia	Any barrel	-	-	6,000	C\$	cu m	-
Isobutane Sarnia Mo01	AEDMF00	AEDMF03	ITT	Sarnia	Any barrel	-	-	6,000	US\$	Gallon	4.7
Isobutane Sarnia Mo01 vs Isobutane Enterprise Mo01	AEDMW00	AEDMW03	ITT	Sarnia	Any barrel	-	-	6,000	US\$	Gallon	4.7
Isobutane Sarnia Mo01 (C\$/cu m)	AEDMR00	AEDMR03	ITT	Sarnia	Any barrel	-	-	6,000	C\$	cu m	-
Isobutane Sarnia Mo01 vs Isobutane Enterprise Mo01 (C\$/cu m)	AEDNC00	AEDNC03	ITT	Sarnia	Any barrel	-	-	6,000	C\$	cu m	-
Propane CFR Suape (\$/mt)	BLSUA00	BLSUA03	CFR	Suape	45-60 days forward	44,000	44000	-	US\$	MT	-
Propane CFR Suape (Real/kg)	BLSAA00	BLSAA03	CFR	Suape	45-60 days forward	44,000	44000	-	Real	Kilogram	-
Propane CFR Santos (\$/mt)	BLSUB00	BLSUB03	CFR	Santos	45-60 days forward	44,000	44000	-	US\$	MT	-
Propane CFR Santos (Real/kg)	BLSAB00	BLSAB03	CFR	Santos	45-60 days forward	44,000	44000	-	Real	Kilogram	-
LPG IPP Suape (\$/mt)	BLSUC00	BLSUC03	-	Suape	-	-	-	-	US\$	MT	-
LPG IPP Suape (Real/kg)	BLSUD00	BLSUD03	-	Suape	-	-	-	-	Real	Kilogram	-
LPG IPP Santos (\$/mt)	BLSAC00	BLSAC03	-	Santos	-	-	-	-	US\$	MT	-
LPG IPP Santos (Real/kg)	BLSAD00	BLSAD03	-	Santos	-	-	-	-	Real	Kilogram	-

LPG/NGLs

Platts assessments for liquefied petroleum gas (LPG) and other natural gas liquids (NGLs) reflect trading in barrels for any days in the specified delivery month – also known as “any barrels” – through the end of the month, except for natural gasoline, which rolls on the third calendar day before the end of the month. Very prompt barrels are typically not reflected in Platts assessments. Platts assesses the value of the prompt month, before rolling its assessment forward by one month for all NGLs except natural gasoline. Second-month assessments reflect delivery one month forward from the prompt month.

Platts US LPG/NGL assessments are primarily published in US cents per gallon, with conversion factors for US dollars per barrel and US dollars per metric ton equivalents provided where relevant, in the assessment tables in this guide.

Platts publishes assessments on an FOB Mont Belvieu, Texas, basis, and an FOB Conway, Kansas, basis for all NGLs. Platts also assesses propane at Hattiesburg, Mississippi. The volume reflected in these assessments is a minimum of 5,000 barrels for Conway and Hattiesburg; a minimum of 10,000 barrels for isobutane at Mont Belvieu; and a minimum of 25,000 barrels for all other NGLs.

For its Mont Belvieu assessments, Platts publishes ethane, propane, butane, isobutane and natural gasoline assessments reflecting trading at the Enterprise NGL storage and fractionation facility, as well as propane, butane and natural gasoline assessments, reflecting trading at the Energy Transfer facility. The Energy Transfer facility, was previously known as the Texas Eastern Transmission/Louis Dreyfus Holdings/Lone Star facility.

Platts also publishes Mont Belvieu natural gasoline assessments, reflecting trading at the Targa facility. The latter was, formerly owned by Warren Petroleum.

Ethane (C2): Platts publishes an assessment for Enterprise purity ethane, as well as assessments for Enterprise and Conway ethane/propane mix. Ethane assessments reflect material with a specific gravity of 0.3546 and boiling point of -89 C. Purity ethane is at least 95% pure. Ethane/propane mix is comprised of 80% ethane and 20% propane.

Propane (C3): Platts publishes assessments for Energy Transfer, Enterprise, Conway and Hattiesburg propane. The assessments reflect a specific gravity of 0.5077 and boiling point of -43 C. Product specifications are the same for Mont Belvieu and Conway assessments. Platts additionally publishes second-month propane assessments for Conway.

Butane (C4): Platts publishes assessments for Energy Transfer, Enterprise and Conway normal butane. Specific gravity of 0.5844; boiling point of -1 C. Product specifications are the same for Mont Belvieu and Conway assessments.

Isobutane (IC4): Platts publishes assessments for Enterprise and Conway isobutane. Specific gravity of 0.5631; boiling point of -12 C. Product specifications are the same for Mont Belvieu and Conway assessments.

Natural gasoline (C5): Platts publishes assessments for Energy Transfer, Targa, Enterprise and Conway. Specific gravity of 81 API; RVP of 12-14 psi; boiling point of 90 F; sulfur of maximum 0.1%; octane of maximum 73 (R+M)/2. Product specifications are the same for all assessments at the different facilities.

Propane FOB USGC: Platts assesses propane cargoes loading at major US Gulf Coast export terminals on an FOB basis. The assessment reflects loadings out of the Enterprise and Targa terminals on the Houston Ship Channel, Phillips 66's terminal in Freeport and Energy Transfer Partners' terminal in Nederland. The assessment reflects the value of 44,000 mt cargoes on very large gas carriers (VLGCs) loading 30-45 days forward from the date of publication. Smaller volumes in refrigerated

propane may be considered in the assessment, but normalized for size. The quality basis for this assessment is “low-e” propane, or propane with an ethane content of 2% maximum. The assessment is published in both US dollars per metric ton and US cents per gallon, to allow for efficient comparison between US pipeline and export markets.

Butane FOB USGC: Platts assesses butane cargoes loading at major US Gulf Coast export terminals on an FOB basis. The assessment reflects loadings out of the Enterprise and Targa terminals on the Houston Ship Channel, Phillips 66's terminal in Freeport and Energy Transfer Partners' terminal in Nederland. The assessment reflects the value of 44,000 mt cargoes on very large gas carriers (VLGCs) loading 30-45 days forward from the date of publication. Smaller volumes in refrigerated butane may be considered in the assessment, but normalized for size. The assessment is published in both US dollars per metric ton and US cents per gallon, to allow for efficient comparison between US pipeline and export markets.

LPG 22:22 FOB USGC: Platts assesses split propane/butane cargoes loading at major US Gulf Coast export terminals on an FOB basis. The assessment reflects loadings out of the Enterprise and Targa terminals on the Houston Ship Channel, Phillips 66's terminal in Freeport and Energy Transfer Partners' terminal in Nederland. The assessment reflects the value of 44,000 mt cargoes on very large gas carriers (VLGCs) loading 30-45 days forward from the date of publication, half propane and half butane. Smaller volumes or different splits may be considered in the assessment, but normalized to the standard. The assessment is published in both US dollars per metric ton and US cents per gallon, to allow for efficient comparison between US pipeline and export markets.

Americas VLGC freight: Platts assesses VLGC freight Houston-Japan, VLGC freight Houston-NWE, VLGC freight Houston-Morocco, VLGC freight Houston-East Africa, VLGC freight Houston-Suape, and VLGC freight Houston-Santos. Please

refer to the freight methodology and specifications guide for details of these assessments: https://www.spglobal.com/platts/PlattsContent/_assets/_files/en/our-methodology/methodology-specifications/global_freight.pdf

Canada

Edmonton: Platts understands that multiple streams of Canadian NGLs trade in the Edmonton area. Platts may normalize bids, offers, and trades from any streams of NGLs traded in the area back to an Edmonton/Fort Saskatchewan basis.

Platts understands spot trade for Edmonton NGLs reflects barrels for any day in the specified delivery month – also known as “any” barrels – through the end of the month. Second-month trade reflects delivery one month forward from the current month. Platts publishes daily assessments on an outright basis for Edmonton inventory-transfer propane and field grade butane for both the prompt and second-month delivery. In addition, Platts publishes differentials for Edmonton propane for both the prompt and second-month delivery against the corresponding month propane assessment in Conway, Kansas. Prices and differentials

are published in both US cents/gallon and in Canadian dollars/cubic meter. Field grade butane is also published as a ratio to the NYMEX WTI crude Calendar Month Average (CMA).

The quality of propane and field grade butane reflects the typical quality of the product available at Edmonton/Fort Saskatchewan. Minimum size is 1,000 cu m for propane and 500 cu m for field grade butane.

Sarnia: Platts understands that there are multiple streams of propane, butane, and isobutane trading in the Sarnia area, which can arrive via Enbridge Line 5 pipeline from Edmonton, as well as by rail or truck. Platts publish daily assessments on an outright basis for Sarnia inventory-transfer propane, butane, and isobutane for the prompt-month delivery, as well as differentials for Sarnia propane, butane and isobutane against the corresponding delivery month Enterprise products at Mont Belvieu. Prices and differentials are published in both US cents/gallon and in Canadian dollars/cubic meter.

The quality of propane, butane, and isobutane reflects the product originating from the Plains-operated Sarnia fractionator

and Pembina storage facility in the Corunna, Ontario area. Platts understands products traded in this market do not require a minimum batch size, though typical volumes trade in the range of 6,000 barrels.

Latin America

Delivered Brazil propane: Platts assesses propane on a CFR basis to Suape and Santos, reflecting 44,000 mt cargoes for delivery 45-60 days forward from the day of assessment, with multiport discharge optionality in line with typical market practice. The assessments are published in \$/mt and Brazilian Real/kilogram.

Brazil LPG IPP: Platts also publishes import parity prices for LPG, comprised of 70% propane and 30% butane, at Suape and Santos. The prices represent the cost of LPG imported on the day of publication at each specified port. It includes the product value, freight, demurrage, insurance, losses, marine taxes, multi-port discharge optionality and quality differences, where applicable. The assessments are published in \$/mt and Brazilian Real/kilogram.

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
US Gulf Coast										
Gasoline CBOB East Texas	AESTA00		AESTA03	FOB	Houston	Prompt cycle	25,000	-	US Cents	Gallon
Gasoline CBOB East Texas vs NYMEX RBOB	AESTC00		AESTC03	FOB	Houston	Prompt cycle	25,000	-	US Cents	Gallon
Gasoline Premium CBOB East Texas	AESTB00		AESTB03	FOB	Houston	Prompt cycle	25,000	-	US Cents	Gallon
Gasoline Premium CBOB East Texas vs NYMEX RBOB	AESTB00		AESTD03	FOB	Houston	Prompt cycle	25,000	-	US Cents	Gallon
Gasoline RBOB Dallas	DALLE00		DALLE03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
Gasoline RBOB Dallas vs NYMEX RBOB	DALLG00		DALLG03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
Gasoline RBOB Dallas (minus RVO)	DALLF00		DALLF03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
Gasoline RBOB Dallas vs USGC prompt pipeline RBOB	DALLI00		DALLI03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
Gasoline Premium RBOB Dallas	DALLA00		DALLA03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
Gasoline Premium RBOB Dallas vs NYMEX RBOB	DALLR00		DALLR03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
Gasoline Premium RBOB Dallas (minus RVO)	DALLB00		DALLB03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
Gasoline CBOB 87 USGC Houston prompt pipeline	AARQU00		AARQU03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline CBOB 87 USGC Houston prompt pipeline (minus RVO)	GCUHP00		GCUHP03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline CBOB 87 USGC Houston prompt pipeline vs NYMEX RBOB	AANYX77		AANYK03	FOB	Houston	Prompt Cycle	25000	-	US Cents	Gallon
Gasoline CBOB 87 USGC pipeline Cycle 02	AARQW00		AARQW03	FOB	Houston	Forward Cycle	25000	-	US Cents	Gallon
Gasoline CBOB 87 USGC pipeline Cycle 03	AARQX00		AARQX03	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Gasoline CBOB 87 USGC pipeline Cycle 04	AARQY00		AARQY03	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Gasoline CBOB 87 USGC pipeline Cycle 05	AARQZ00		AARQZ03	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Gasoline CBOB 87 USGC pipeline Cycle 06	AARQA00		AARQA03	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Gasoline CBOB 87 USGC waterborne	AAWES00		AAWES03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline CBOB 87 USGC Waterborne (minus RVO)	AGWBA00		AGWBA03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline CBOB 87 USGC Waterborne-pipeline spread	AWTRD00		AWTRD03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Premium CBOB 93 USGC Houston prompt pipeline	AARQV00		AARQV03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Premium CBOB 93 USGC Houston prompt pipeline (minus RVO)	GCPPH00		GCPPH03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Premium CBOB 93 USGC Houston prompt pipeline vs NYMEX RBOB	AANYX78		ACNYX78	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Premium CBOB 93 USGC Waterborne	AGWBB00		AGWBB03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Premium CBOB 93 USGC Waterborne (minus RVO)	AGWBC00		AGWBC03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Premium CBOB 93 USGC Waterborne-pipeline spread	AWTRE00		AWTRE03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline RBOB 83.7 USGC Houston prompt pipeline	AAMFB00		AAMFC00	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline RBOB 83.7 USGC Houston prompt pipeline (minus RVO)	GBOBU00		GBOBU03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline RBOB 83.7 USGC Houston prompt pipeline vs NYMEX RBOB	AANYX79		AANYY03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline RBOB 91.4 USGC Houston prompt pipeline	AAMNG00		AAMNH00	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline RBOB 91.4 USGC Houston prompt pipeline (minus RVO)	GRBOH00		GRBOH03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Gasoline RBOB 91.4 USGC Houston prompt pipeline vs NYMEX RBOB	AANYX80		ACNYX80	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC prompt pipeline	PGACT00		PGACT03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC prompt pipeline (minus RVO)	GSLUG00		GSLUG03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC prompt pipeline vs NYMEX RBOB	AANY105		AANYL03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC pipeline Cycle 01	AAELC00		AAFOM00	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC pipeline Cycle 02	AAELD00		AAFON00	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC pipeline Cycle 03	AAELE00		AAFO000	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC pipeline Cycle 04	AAELF00		AAFOP00	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC pipeline Cycle 05	AAELG00		AAFOQ00	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC pipeline Cycle 06	AAELH00		AAFOR00	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 87 USGC waterborne	PGACU00		PGACU03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Unl 87 USGC Waterborne (minus RVO)	AGWBD00		AGWBD03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Unl 87 USGC Waterborne-pipeline spread	AWTRA00		AAWTRA3	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Unl 89 USGC prompt pipeline	PGAAY00		PGAAY03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 89 USGC waterborne	PGAAZ00		PGAAZ03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Unl 89 USGC waterborne- pipeline spread	AWTRB00		AWTRB03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Unl 93 USGC prompt pipeline	PGAJB00		PGAJB03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 93 USGC prompt pipeline (minus RVO)	GUNLP00		GUNLP03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 93 USGC prompt pipeline vs NYMEX RBOB	AANYX76		ACNYX76	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoline Unl 93 USGC waterborne	PGAIX00		PGAIX03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Unl 93 USGC Waterborne (minus RVO)	AGWBE00		AGWBE03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Gasoline Unl 93 USGC Waterborne-pipeline spread	AWTRC00		AWTRC03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
Colonial line space Line 1 (gasoline)	AAXTA00		AAXTA03	FOB/CIF	Colonial Pipeline	Prompt Cycle	25,000	-	US Cents	Gallon
Colonial line space Line 1 and Line 3 (gasoline)	AAXTC00		AAXTC03	FOB/CIF	Colonial Pipeline	Prompt Cycle	25,000	-	US Cents	Gallon
Colonial line space Line 3 (gasoline)	AAXTB00		AAXTB03	FOB/CIF	Colonial Pipeline	Prompt Cycle	25,000	-	US Cents	Gallon
Intraday Gasoline CBOB USGC pipe	AAWZU00		-	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Intraday Gasoline CBOB USGC pipe vs NYMEX RBOB	AAWZU01		-	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Intraday Gasoline RBOB USGC pipe	AAWZX00		-	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Intraday Gasoline RBOB USGC pipe vs NYMEX RBOB	AAWZX01		-	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
USGC CBOB RVP adjustment plus 1 psi	AGLOA00		AGLOA03	-	Houston	Prompt Cycle	-	-	US Cents	Gallon
Premium CBOB RVP adjustment plus 1 psi	AGHOA00		AGHOA03	-	Houston	Prompt Cycle	-	-	US Cents	Gallon
USGC CBOB RVP adjustment minus 1 psi	AGLOB00		AGLOB03	-	Houston	Prompt Cycle	-	-	US Cents	Gallon
Premium CBOB RVP adjustment minus 1 psi	AGHOC00		AGHOC03	-	Houston	Prompt Cycle	-	-	US Cents	Gallon
US Gulf Coast Value per one octane (83.7-91.4 AKI)	UGCV000		UGCV003	-	Houston	Prompt Cycle	-	-	US Cents	AKI

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
US Atlantic Coast										
Gasoline CBOB Buckeye Pipeline	AAPSY00		AAPSY03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB Buckeye Pipeline (minus RVO)	GCB0B00		GCB0B03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB Buckeye Pipeline vs NYMEX RBOB	AANYX33		AANYF03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB Buckeye Pipeline supplemental	AAQIY00		-	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB Colonial Pipeline Linden	ABXPW00		ABRQW03	FOB	NYH	First Full Cycle	25,000	75,000	US Cents	Gallon
Gasoline CBOB Colonial Pipeline Linden (minus RVO)	GCULC00		GCULC03	FOB	NYH	First Full Cycle	25,000	75,000	US Cents	Gallon
Gasoline CBOB Colonial Pipeline Linden vs NYMEX RBOB	AANYX41		AANYI03	FOB	NYH	First Full Cycle	25,000	75,000	US Cents	Gallon
Gasoline CBOB Laurel pipeline	AAUAS00		AAUAS03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB Laurel pipeline (minus RVO)	GCBLP00		GCBLP03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB Laurel pipeline vs NYMEX RBOB	AANYX29		ACNYX29	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB Laurel pipeline supplemental	AAVOJ00		-	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB NY Barge	AAWBL00		AAWBL03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Gasoline CBOB NY Barge (minus RVO)	GCNBR00		GCNBR03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Gasoline CBOB NY Barge vs NYMEX RBOB	AANYX14		AANYD03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Gasoline CBOB NY Barge supplemental	AAXFS00		-	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Gasoline CBOB NY Dead Prompt Barge	ADDPE00		ADDPE03	FOB	NYH	1-3 days	25,000	100,000	US Cents	Gallon
Gasoline CBOB NY Dead Prompt Barge (minus RVO)	DPGCB00		DPGCB03	FOB	NYH	1-3 days	25,000	100,000	US Cents	Gallon
Gasoline CBOB NY Dead Prompt Barge vs NYMEX RBOB	ADDPF00		ADDPF03	FOB	NYH	1-3 days	25,000	100,000	US Cents	Gallon
Gasoline CBOB NY Dead Prompt Barge supplemental	ADDPQ00		ADDPQ03	FOB	NYH	1-3 days	25,000	100,000	US Cents	Gallon
Gasoline CBOB PA Buckeye Pipeline	AAVYA00		AAVYA03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB PA Buckeye Pipeline (minus RVO)	GCPAB00		-	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline CBOB PA Buckeye Pipeline vs NYMEX RBOB	AANYX37		ACNYX37	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB Buckeye Pipeline	AAPSZ00		AAPSZ03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB Buckeye Pipeline (minus RVO)	GPBBP00		GPBBP03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB Buckeye Pipeline vs NYMEX RBOB	AANYX34		ACNYX34	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB Buckeye Pipeline supplemental	AAQIZ00		-	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB PA Buckeye Pipeline	AAVYB00		AAVYB03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB PA Buckeye Pipeline vs NYMEX RBOB	ADLAL00		ACLAL00	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB Laurel pipeline	AAUAT00		AAUAT03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB Laurel pipeline (minus RVO)	GPCLP00		GPCLP03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB Laurel pipeline vs NYMEX RBOB	AANYX30		ACNYX30	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB Laurel pipeline supplemental	AAVOK00		-	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB NY Barge	AAWLC00		AAWLC03	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB NY Barge (minus RVO)	GPCNB00		GPCNB03	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Gasoline Prem CBOB NY Barge vs NYMEX RBOB	AANYX16		ACNYX16	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB NY Barge supplemental	AAXFT00		-	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB NY Dead Prompt Barge	ADDPJ00		ADDPJ03	FOB	NYH	1-3 days	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB NY Dead Prompt Barge (minus RVO)	DPGPN00		DPGPN03	FOB	NYH	1-3 days	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB NY Dead Prompt Barge vs NYMEX RBOB	ADDPJ00		ADDPJ03	FOB	NYH	1-3 days	25,000	75,000	US Cents	Gallon
Gasoline Prem CBOB NY Dead Prompt Barge supplemental	ADDPJ00		ADDPJ03	FOB	NYH	1-3 days	25,000	75,000	US Cents	Gallon
Gasoline RBOB Buckeye Pipeline	AAMHB00		AAMHD00	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline RBOB Buckeye Pipeline (minus RVO)	GRBPR00		GRBPR03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline RBOB Buckeye Pipeline supplemental	AANWK00		-	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline RBOB Buckeye Pipeline vs NYMEX RBOB	AANYX35		AANYG03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline RBOB Colonial Pipeline Linden	ADXPW00		ADRQW03	FOB	NYH	First Full Cycle	25,000	75,000	US Cents	Gallon
Gasoline RBOB Colonial Pipeline Linden (minus RVO)	GRULC00		GRULC03	FOB	NYH	First Full Cycle	25,000	75,000	US Cents	Gallon
Gasoline RBOB Colonial Pipeline Linden vs NYMEX RBOB	AANYX42		AANYJ03	FOB	NYH	First Full Cycle	25,000	75,000	US Cents	Gallon
Gasoline RBOB NY Barge	AAMGV00		AAMGX00	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Gasoline RBOB NY Barge (minus RVO)	GRNBV00		GRNBV03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Gasoline RBOB NY Barge supplemental	AANWI00		-	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Gasoline RBOB NY Barge vs NYMEX RBOB	AANYX15		AANYE03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Gasoline RBOB NY Dead Prompt Barge	ADDPG00		ADDPG03	FOB	NYH	1-3 days	25,000	100,000	US Cents	Gallon
Gasoline RBOB NY Dead Prompt Barge (minus RVO)	DPGRN00		DPGRN03	FOB	NYH	1-3 days	25,000	100,000	US Cents	Gallon
Gasoline RBOB NY Dead Prompt Barge vs NYMEX RBOB	ADDPH00		ADDPH03	FOB	NYH	1-3 days	25,000	100,000	US Cents	Gallon
Gasoline RBOB NY Dead Prompt Barge supplemental	ADDPW00		ADDPW03	FOB	NYH	1-3 days	25,000	100,000	US Cents	Gallon
Gasoline RBOB NY Cargo	AAVKS00		AAVKS03	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline RBOB NY Cargo Duty+RINS	AASAM00		AASAM03	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline RBOB NY Cargo Duty+RINS supplemental	AASNJDR		-	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline RBOB NY Cargo Ex-Duty	AASAF00		AASAF03	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline RBOB NY Cargo Ex-Duty supplemental	AASNJ00		-	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline RBOB NY Cargo supplemental	AAXFY00		-	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline Prem RBOB Buckeye Pipeline	AAMHZ00		AAMHE00	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB Buckeye Pipeline (minus RVO)	GPRBP00		GPRBP03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB Buckeye Pipeline vs NYMEX RBOB	AANYX36		ACNYX36	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB Buckeye Pipeline supplemental	AANWL00		-	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB NY Barge	AAMGY00		AAMHA00	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB NY Barge (minus RVO)	GPRNB00		GPRNB03	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB NY Barge vs NYMEX RBOB	AANYX17		ACNYX17	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB NY Barge supplemental	AANWJ00		-	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Gasoline Prem RBOB NY Dead Prompt Barge	ADDPK00		ADDPK03	FOB	NYH	1-3 days	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB NY Dead Prompt Barge (minus RVO)	DPGPR00		DPGPR03	FOB	NYH	1-3 days	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB NY Dead Prompt Barge vs NYMEX RBOB	ADDPL00		ADDPL03	FOB	NYH	1-3 days	25,000	75,000	US Cents	Gallon
Gasoline Prem RBOB NY Dead Prompt Barge supplemental	ADDPU00		ADDPU03	FOB	NYH	1-3 days	25,000	75,000	US Cents	Gallon
Gasoline Unl 87 Colonial Pipeline Linden	ACXPW00		ACRQW03	FOB	NYH	First Full Cycle	25,000	75,000	US Cents	Gallon
Gasoline Unl 87 Colonial Pipeline Linden (minus RVO)	GUULC00		GUULC03	FOB	NYH	First Full Cycle	25,000	75,000	US Cents	Gallon
Gasoline Unl 87 Colonial Pipeline Linden vs NYMEX RBOB	AANYX40		AANYH03	FOB	NYH	First Full Cycle	25,000	75,000	US Cents	Gallon
Gasoline Unl 87 NY Cargo	AAMHG00		AAMHH00	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline Unl 87 NY Cargo supplemental	AAOYF00		-	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline Unl 87 NY Cargo Duty+RINS	AASAH00		AASAH03	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline Unl 87 NY Cargo Duty+RINS supplemental	AASNEDR		-	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline Unl 87 NY Cargo Ex-Duty	AASAA00		AASAA03	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Gasoline Unl 87 NY Cargo Ex-Duty supplemental	AASNE00		-	CIF	NYH	5-15 days forward	150,000	-	US Cents	Gallon
Intraday Gasoline CBOB NYH barge	AAWZT00		-	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Intraday Gasoline CBOB NYH barge vs NYMEX RBOB	AAWZT01		-	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Intraday Gasoline RBOB NYH barge	AAWZW00		-	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Intraday Gasoline RBOB NYH barge vs NYMEX RBOB	AAWZW01		-	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon

Florida

Gasoline CBOB Tampa waterborne	APPNE00		APPNE03	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline CBOB Tampa waterborne (minus RVO)	GCDTW00		GCDTW03	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline CBOB Tampa waterborne vs NYMEX RBOB	APPNF00		-	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline CBOB Tampa waterborne vs USGC prompt	APPNH00		APPNH03	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline CBOB Port Everglades waterborne	APPNA00		APPNA03	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline CBOB Port Everglades waterborne (minus RVO)	GCDPE00		GCDPE03	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline CBOB Port Everglades waterborne vs NYMEX RBOB	APPNB00		-	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline CBOB Port Everglades waterborne vs USGC prompt	APPND00		APPND03	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline Prem CBOB Tampa waterborne	APPNM00		APPNM03	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline Prem CBOB Tampa waterborne (minus RVO)	GPCDT00		GPCDT03	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline Prem CBOB Tampa waterborne vs NYMEX RBOB	APPNN00		-	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline Prem CBOB Tampa waterborne vs USGC prompt	APPNP00		APPNP03	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline Prem CBOB Port Everglades waterborne	APPNI00		APPNI03	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline Prem CBOB Port Everglades waterborne (minus RVO)	GPCPE00		GPCPE03	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline Prem CBOB Port Everglades waterborne vs NYMEX RBOB	APPNJ00		-	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Gasoline Prem CBOB Port Everglades waterborne vs USGC prompt	APPNL00		APPNL03	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Midwest										
Gasoline CBOB Chicago West Shore/Badger pipeline	AAREL00		AAREL03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline CBOB Chicago West Shore/Badger pipeline (minus RVO)	GCBOP00		GCBOP03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline CBOB Chicago West Shore/Badger pipeline vs NYMEX RBOB	AANY101		AANYA03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline CBOB Chicago BCX	ACBAA00		ACBAA03	In-tank	Chicago BCX	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline CBOB Chicago BCX (minus RVO)	GCCBC00		GCCBC03	In-tank	Chicago BCX	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline CBOB Chicago BCX vs NYMEX RBOB	ACBAB00		ACBAB03	In-tank	Chicago BCX	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline CBOB Chicago Wolverine Pipeline	AGCWA00		AGCWA03	FOB	Chicago BCX	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline CBOB Chicago Wolverine Pipeline (minus RVO)	GCCWP00		GCCWP03	FOB	Chicago BCX	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline CBOB Chicago Wolverine Pipeline vs NYMEX RBOB	AGCWB00		AGCWB03	FOB	Chicago BCX	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline RBOB Chicago West Shore/Badger pipeline	PPARH00		PPARH03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline RBOB Chicago West Shore/Badger pipeline (minus RVO)	GRBCP00		GRBCP03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline RBOB Chicago West Shore/Badger pipeline vs NYMEX RBOB	AANY102		AANYB03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline RBOB Chicago BCX	ACBAC00		ACBAC03	In-tank	Chicago BCX	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline RBOB Chicago BCX (minus RVO)	GRCBC00		GRCBC03	In-tank	Chicago BCX	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline RBOB Chicago BCX vs NYMEX RBOB	ACBAD00		ACBAD03	In-tank	Chicago BCX	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline PBOB Chicago West Shore/Badger pipeline	AAUEU00		AAUEU03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline PBOB Chicago West Shore/Badger pipeline (minus RVO)	GPBCP00		GPBCP03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline PBOB Chicago West Shore/Badger pipeline vs NYMEX RBOB	AANY103		ACNY103	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline Unleaded 91 Chicago West Shore/Badger pipeline	PPASQ00		PPASR03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline Unleaded 91 Chicago West Shore/Badger pipeline (minus RVO)	GPUCP00		GPUCP03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline Unleaded 91 Chicago West Shore/Badger pipeline vs NYMEX RBOB	AANY100		ACNY100	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Gasoline Chicago Index Percentage	CBOBA00		CBOBA03	FOB	Chicago	Previous Cycle	-	-	US Cents	Gallon
Gasoline Chicago Index Percentage vs NYMEX RBOB	CBOBB00		CBOBB03	FOB	Chicago	Previous Cycle	-	-	US Cents	Gallon
Gasoline Unl Sub Octane Group 3 pipeline	AAXIX00		AAXIX03	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Gasoline Unl Sub Octane Group 3 pipeline (minus RVO)	GUSOG00		GUSOG03	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Gasoline Unl Sub Octane Group 3 pipeline vs NYMEX RBOB	AANYX01		AANYC03	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Gasoline Unl Sub Octane Low RVP Group 3 pipeline	ARVPA00		ARVPA03	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Gasoline Unl Sub Octane Low RVP Group 3 pipeline (minus RVO)	GUSOL00		GUSOL03	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Gasoline Unl Sub Octane Low RVP Group 3 pipeline vs NYMEX RBOB	ARVPB00		ARVPB03	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Gasoline Sub Octane Group 3 vs NYMEX Supplemental	AGNLC00		-	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Gasoline Sub Octane Group 3 Pipeline Supplemental	AGNLA00		-	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Gasoline Sub Octane Group 3 Pipeline Supplemental RVP	AGNLB00		-	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Gasoline Prem Unl 91 Group 3 pipeline	PGABD00		PGABD03	FOB	Tulsa, OK	Next business day	5,000	-	US Cents	Gallon

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Gasoline Prem Unl 91 Group 3 pipeline (minus RVO)	GPUGP00		GPUGP03	FOB	Tulsa, OK	Next business day	5,000	-	US Cents	Gallon
Gasoline Prem Unl 91 Group 3 pipeline vs NYMEX RBOB	AANYX02		ACNYX02	FOB	Tulsa, OK	Next business day	5,000	-	US Cents	Gallon
Gasoline Prem Unl 91 Low RVP Group 3 pipeline	ARVPC00		ARVPC03	FOB	Tulsa, OK	Next business day	5,000	-	US Cents	Gallon
Gasoline Prem Unl 91 Low RVP Group 3 pipeline (minus RVO)	GPUPL00		GPUPL03	FOB	Tulsa, OK	Next business day	5,000	-	US Cents	Gallon
Gasoline Prem Unl 91 Low RVP Group 3 pipeline vs NYMEX RBOB	ARVPD00		ARVPD03	FOB	Tulsa, OK	Next business day	5,000	-	US Cents	Gallon
Gasoline Denver RBOB	DENVE00		DENVE03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
Gasoline Denver RBOB vs NYMEX RBOB	DENVG00		DENVG03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
Gasoline Denver RBOB (minus RVO)	DENVF00		DENVF03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
Gasoline Denver RBOB vs Gasoline Unl Sub Octane Group 3 pipeline	DENVI00		DENVI03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
Gasoline Denver Premium RBOB	DENVA00		DENVA03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
Gasoline Denver Premium RBOB vs NYMEX RBOB	DENVR00		DENVR03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
Gasoline Denver Premium RBOB (minus RVO)	DENVB00		DENVB03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
Intraday Gasoline CBOB Chicago pipe	AAWZR00		-	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Intraday Gasoline CBOB Chicago pipe vs NYMEX RBOB	AAWZR01		-	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Intraday Gasoline CBOB Group 3 pipe	AAWZS00		-	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Intraday Gasoline CBOB Group 3 pipe vs NYMEX RBOB	AAWZS01		-	FOB	Tulsa, OK	Next business day	10,000	-	US Cents	Gallon
Intraday Gasoline RBOB Chicago pipe	AAWZV00		-	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Intraday Gasoline RBOB Chicago pipe vs NYMEX RBOB	AAWZV01		-	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon

US West Coast

Gasoline CARBOB 84 Los Angeles CA pipeline	AAKYJ00		AAKYK00	FOB	Los Angeles	Any pipeline Cycle	25,000	25,000	US Cents	Gallon
Gasoline CARBOB 84 Los Angeles CA pipeline (minus RVO)	GCRLA00		GCRLA03	FOB	Los Angeles	Any pipeline Cycle	25,000	25,000	US Cents	Gallon
Gasoline CARBOB Unl vs NYMEX RBOB	AANVX00		AANVX03	FOB	Los Angeles	Any pipeline Cycle	25,000	25,000	US Cents	Gallon
Gasoline CARBOB 88.5 Los Angeles CA pipeline	AAKYL00		AAKYM00	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline CARBOB 88.5 Los Angeles CA pipeline (minus RVO)	GCLAP00		GULAP03	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline CARBOB 88.5 Los Angeles CA pipeline vs NYMEX RBOB	AANYX86		ACNYX86	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Unl 84 Suboctane Los Angeles CA pipeline	AAUHA00		AAUHA03	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Unl 84 Suboctane Los Angeles CA pipeline (minus RVO)	GULAP00		GPLAP03	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Unl 84 Suboctane Los Angeles CA pipeline vs NYMEX RBOB	AANYX84		ACNYX84	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Prem Unl Suboctane Los Angeles CA pipeline	PGABG00		PGABG03	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Prem Unl Suboctane Los Angeles CA pipeline (minus RVO)	GPLAP00		GPLAP03	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Prem Unl Suboctane Los Angeles CA pipeline vs NYMEX RBOB	AANYX85		ACNYX85	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline RBOB 84 Arizona pipeline	AADDP00		AADDQ00	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline RBOB 84 Arizona pipeline (minus RVO)	GRBAP00		GRBAP03	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline RBOB 84 Arizona pipeline vs NYMEX RBOB	AANYX91		ACNYX91	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Gasoline RBOB 88.5 Arizona pipeline	PPXDJ00		PPXD003	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline RBOB 88.5 Arizona pipeline (minus RVO)	GRBBP00		GRBBP03	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline RBOB 88.5 Arizona pipeline vs NYMEX RBOB	AANYX92		ACNYX92	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Reg Unl USWC Cargo	PGADI00		PGADI03	CIF	Los Angeles	14-21 days forward	50,000	-	US Cents	Gallon
Gasoline CARBOB San Francisco CA pipeline	AAKYN00		AAKY000	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline CARBOB San Francisco CA pipeline (minus RVO)	GCSCP00		GCSCP03	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline CARBOB San Francisco CA pipeline vs NYMEX RBOB	AANYX89		ACNYX89	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline CARBOB San Francisco CA pipeline	AAKYP00		AAKY000	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Prem CARBOB San Francisco CA pipeline (minus RVO)	GPSAC00		GPSAC03	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline CARBOB San Francisco CA pipeline vs NYMEX RBOB	AANYX90		ACNYX90	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Reg Unl Suboctane San Francisco CA pipeline	PGADG00		PGADG03	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Reg Unl Suboctane San Francisco CA pipeline (minus RVO)	GRUSF00		GRUSF03	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Reg Unl Suboctane San Francisco CA pipeline vs NYMEX RBOB	AANYX87		ACNYX87	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Prem Unl Suboctane San Francisco CA pipeline	PGABO00		PGABO03	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Prem Unl Suboctane San Francisco CA pipeline (minus RVO)	GPUCA00		GPUCA03	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Prem Unl Suboctane San Francisco CA pipeline vs NYMEX RBOB	AANYX88		ACNYX88	FOB	San Francisco	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Gasoline Unl Suboctane Portland pipeline	AAXJC00		AAXJC03	FOB	Portland	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Unl Suboctane Portland pipeline (minus RVO)	GUSOP00		GUSOP03	FOB	Portland	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Unl Suboctane Portland pipeline vs NYMEX RBOB	AANYX95		ACNYX95	FOB	Portland	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Premium Suboctane Portland pipeline	AAXJD00		AAXJD03	FOB	Portland	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Premium Suboctane Portland pipeline (minus RVO)	GPSOP00		GPSOP03	FOB	Portland	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Premium Suboctane Portland pipeline vs NYMEX RBOB	AANYX96		ACNYX96	FOB	Portland	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Unl Suboctane Seattle pipeline	AAXJE00		AAXJE03	FOB	Seattle	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Unl Suboctane Seattle pipeline (minus RVO)	GUSOS00		GUSOS03	FOB	Seattle	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Unl Suboctane Seattle pipeline vs NYMEX RBOB	AANYX93		ACNYX93	FOB	Seattle	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Premium Suboctane Seattle pipeline	AAXJF00		AAXJF03	FOB	Seattle	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Premium Suboctane Seattle pipeline (minus RVO)	GPSSP00		GPSSP03	FOB	Seattle	1-4 days forward	10,000	25,000	US Cents	Gallon
Gasoline Premium Suboctane Seattle pipeline vs NYMEX RBOB	AANYX94		ACNYX94	FOB	Seattle	1-4 days forward	10,000	25,000	US Cents	Gallon
Intraday Gasoline CARBOB 85.5 Los Angeles pipe	AAVSB00		-	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Intraday Gasoline CARBOB 85.5 Los Angeles pipe vs NYMEX RBOB	AAVSBDF		-	FOB	Los Angeles	Any pipeline Cycle	10,000	25,000	US Cents	Gallon
Latin America										
Gasoline DAP Eastern Mexico (\$/barrel)	AAXWA00		AAXWA03	DAP	Tuxpan	7-21 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Eastern Mexico (Pesos/liter)	AATFH00		AATFH03	DAP	Tuxpan	7-21 days forward	250,000	350,000	Mexico Pesos	Liter
Gasoline DAP Lazaro Cardenas (\$/barrel)	AATFD00		AATFD03	DAP	Lazaro Cardenas	21-35 days forward	250,000	350,000	US\$	Barrel

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Gasoline DAP Lazaro Cardenas (Pesos/liter)	AATFN00		AATFN03	DAP	Lazaro Cardenas	21-35 days forward	250,000	350,000	Mexico Pesos	Liter
Gasoline DAP Rosarito (\$/barrel)	AATFA00		AATFA03	DAP	Rosarito	21-35 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Rosarito (Pesos/liter)	AATFK00		AATFK03	DAP	Rosarito	21-35 days forward	250,000	350,000	Mexico Pesos	Liter
Gasoline RON 95 DAP Ecuador	AAXYC00		AAXYC03	DAP	Esmeraldas	15-30 days forward	200,000	300,000	US\$	Barrel
Gasoline DAP Belem (\$/barrel)	BGBEA00	BGBEA04	BGBEA03	DAP	Belem	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Belem (Real/cu m)	BGBLB00	BGBLB04	BGBLB03	DAP	Belem	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Belem (cts/gal)	GSBEC00	GSBEC04	GSBEC03	DAP	Belem	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Belem vs NYMEX (cts/gal)	AGBEA00	AGBEA04	AGBEA03	DAP	Belem	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Belem (US origin) (\$/barrel)	GSBEG00	GSBEG04	GSBEG03	DAP	Belem	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Belem (US origin) (Real/cu m)	GSBEH00	GSBEH04	GSBEH03	DAP	Belem	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Belem (US origin) (cts/gal)	GSBEF00	GSBEF04	GSBEF03	DAP	Belem	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Belem (US origin) vs NYMEX (cts/gal)	GSBED00	GSBED04	GSBED03	DAP	Belem	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Belem US vs all-origin (cts/gal)	GSBEI00	GSBEI04	GSBEI03	DAP	Belem	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Belem US vs all-origin (\$/barrel)	GSBEJ00	GSBEJ04	GSBEJ03	DAP	Belem	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Itaquí (\$/barrel)	BGITA00	BGITA04	BGITA03	DAP	Itaquí	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Itaquí (Real/cu m)	BGITB00	BGITB04	BGITB03	DAP	Itaquí	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Itaquí (cts/gal)	GSITC00	GSITC04	GSITC03	DAP	Itaquí	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Itaquí vs NYMEX (cts/gal)	AGITA00	AGITA04	AGITA03	DAP	Itaquí	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Itaquí (US origin) (\$/barrel)	GSITG00	GSITG04	GSITG03	DAP	Itaquí	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Itaquí (US origin) (Real/cu m)	GSITH00	GSITH04	GSITH03	DAP	Itaquí	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Itaquí (US origin) (cts/gal)	GSITF00	GSITF04	GSITF03	DAP	Itaquí	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Itaquí (US origin) vs NYMEX (cts/gal)	GSITD00	GSITD04	GSITD03	DAP	Itaquí	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Itaquí US vs all-origin (cts/gal)	GSITI00	GSITI04	GSITI03	DAP	Itaquí	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Itaquí US vs all-origin (\$/barrel)	GSITJ00	GSITJ04	GSITJ03	DAP	Itaquí	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Suape (\$/barrel)	BGSUA00	BGSUA04	BGSUA03	DAP	Suape	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Suape (Real/cu m)	BGSUB00	BGSUB04	BGSUB03	DAP	Suape	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Suape (cts/gal)	GSSUC00	GSSUC04	GSSUC03	DAP	Suape	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Suape vs NYMEX (cts/gal)	AGSUA00	AGSUA04	AGSUA03	DAP	Suape	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Suape (US origin) (\$/barrel)	GSSUG00	GSSUG04	GSSUG03	DAP	Suape	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Suape (US origin) (Real/cu m)	GSSUH00	GSSUH04	GSSUH03	DAP	Suape	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Suape (US origin) (cts/gal)	GSSUF00	GSSUF04	GSSUF03	DAP	Suape	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Suape (US origin) vs NYMEX (cts/gal)	GSSUD00	GSSUD04	GSSUD03	DAP	Suape	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Suape US vs all-origin (cts/gal)	GSSUI00	GSSUI04	GSSUI03	DAP	Suape	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Suape US vs all-origin (\$/barrel)	GSSUJ00	GSSUJ04	GSSUJ03	DAP	Suape	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Aratu (\$/barrel)	BGARA00	BGARA04	BGARA03	DAP	Aratu	15-30 days forward	250,000	350,000	US\$	Barrel

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Gasoline DAP Aratu (Real/cu m)	BGARB00	BGARB04	BGARB03	DAP	Aratu	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Aratu (cts/gal)	GSARC00	GSARC04	GSARC03	DAP	Aratu	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Aratu vs NYMEX (cts/gal)	AGARA00	AGARA04	AGARA03	DAP	Aratu	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Aratu (US origin) (\$/barrel)	GSARG00	GSARG04	GSARG03	DAP	Aratu	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Aratu (US origin) (Real/cu m)	GSARH00	GSARH04	GSARH03	DAP	Aratu	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Aratu (US origin) (cts/gal)	GSARF00	GSARF04	GSARF03	DAP	Aratu	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Aratu (US origin) vs NYMEX (cts/gal)	GSARD00	GSARD04	GSARD03	DAP	Aratu	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Aratu US vs all-origin (cts/gal)	GSARI00	GSARI04	GSARI03	DAP	Aratu	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Aratu US vs all-origin (\$/barrel)	GSARJ00	GSARJ04	GSARJ03	DAP	Aratu	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Santos (\$/barrel)	BGSAA00	BGSAA04	BGSAA03	DAP	Santos	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Santos (Real/cu m)	BGSAB00	BGSAB04	BGSAB03	DAP	Santos	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Santos (cts/gal)	GSSAC00	GSSAC04	GSSAC03	DAP	Santos	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Santos vs NYMEX (cts/gal)	AGSOA00	AGSOA04	AGSOA03	DAP	Santos	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Santos (US origin) (\$/barrel)	GSSAG00	GSSAG04	GSSAG03	DAP	Santos	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Santos (US origin) (Real/cu m)	GSSAH00	GSSAH04	GSSAH03	DAP	Santos	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Santos (US origin) (cts/gal)	GSSAF00	GSSAF04	GSSAF03	DAP	Santos	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Santos (US origin) vs NYMEX (cts/gal)	GSSAD00	GSSAD04	GSSAD03	DAP	Santos	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Santos US vs all-origin (cts/gal)	GSSAI00	GSSAI04	GSSAI03	DAP	Santos	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Santos US vs all-origin (\$/barrel)	GSSAJ00	GSSAJ04	GSSAJ03	DAP	Santos	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Paranagua (\$/barrel)	BGPAA00	BGPAA04	BGPAA03	DAP	Paranagua	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Paranagua (Real/cu m)	BGPAB00	BGPAB04	BGPAB03	DAP	Paranagua	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Paranagua (cts/gal)	GSPAC00	GSPAC04	GSPAC03	DAP	Paranagua	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Paranagua vs NYMEX (cts/gal)	AGPAA00	AGPAA04	AGPAA03	DAP	Paranagua	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Paranagua (US origin) (\$/barrel)	GSPAG00	GSPAG04	GSPAG03	DAP	Paranagua	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline DAP Paranagua (US origin) (Real/cu m)	GSPAH00	GSPAH04	GSPAH03	DAP	Paranagua	15-30 days forward	250,000	350,000	Real	Cubic meter
Gasoline DAP Paranagua (US origin) (cts/gal)	GSPAF00	GSPAF04	GSPAF03	DAP	Paranagua	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Paranagua (US origin) vs NYMEX (cts/gal)	GSPAD00	GSPAD04	GSPAD03	DAP	Paranagua	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Paranagua US vs all-origin (cts/gal)	GSPAI00	GSPAI04	GSPAI03	DAP	Paranagua	15-30 days forward	250,000	350,000	US Cents	Gallon
Gasoline DAP Paranagua US vs all-origin (\$/barrel)	GSPAJ00	GSPAJ04	GSPAJ03	DAP	Paranagua	15-30 days forward	250,000	350,000	US\$	Barrel
Gasoline FCA Suape (Real/cu m)	GASCA00	GASCA04	GASCA03	FCA	Suape	Up to 7 days forward	300 Cu m	2,000 Cu m	Real	Cu m
Gasoline FCA Suape (cts/gal)	GASCB00	GASCB04	GASCB03	FCA	Suape	Up to 7 days forward	300 Cu m	2,000 Cu m	US Cents	Gallon
Gasoline FCA Itaquí (Real/cu m)	GASCC00	GASCC04	GASCC03	FCA	Itaquí	Up to 7 days forward	300 Cu m	2,000 Cu m	Real	Cu m
Gasoline FCA Itaquí (cts/gal)	GASCD00	GASCD04	GASCD03	FCA	Itaquí	Up to 7 days forward	300 Cu m	2,000 Cu m	US Cents	Gallon
Gasoline FCA Santos (Real/cu m)	GASCE00	GASCE04	GASCE03	FCA	Santos	Up to 7 days forward	300 Cu m	2,000 Cu m	Real	Cu m

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Gasoline FCA Santos (cts/gal)	GASCF00	GASCF04	GASCF03	FCA	Santos	Up to 7 days forward	300 Cu m	2,000 Cu m	US Cents	Gallon
Gasoline FCA Paranagua (Real/cu m)	GASCG00	GASCG04	GASCG03	FCA	Paranagua	Up to 7 days forward	300 Cu m	2,000 Cu m	Real	Cu m
Gasoline FCA Paranagua (cts/gal)	GASCH00	GASCH04	GASCH03	FCA	Paranagua	Up to 7 days forward	300 Cu m	2,000 Cu m	US Cents	Gallon
Gasoline Manaus Import Parity Price \$/bbl	BGMAA00	BGMAA04	BGMAA03	-	Manaus	-	-	-	US\$	Barrel
Gasoline Manaus Import Parity Price BRL/CBM	BGMAB00	BGMAB04	BGMAB03	-	Manaus	-	-	-	Real	Cubic meter
Gasoline IPP Itaquí (\$/b)	BGITC00	BGITC04	BGITC03	-	Itaquí	-	-	-	US\$	Barrel
Gasoline IPP Itaquí (Real/cu m)	BGITD00	BGITD04	BGITD03	-	Itaquí	-	-	-	Real	Cubic meter
Gasoline IPP Suape (\$/b)	BGSUC00	BGSUC04	BGSUC03	-	Suape	-	-	-	US\$	Barrel
Gasoline IPP Suape (Real/cu m)	BGSUD00	BGSUD04	BGSUD03	-	Suape	-	-	-	Real	Cubic meter
Gasoline IPP Aratu (\$/b)	BGARC00	BGARC04	BGARC03	-	Aratu	-	-	-	US\$	Barrel
Gasoline IPP Aratu (Real/cu m)	BGARD00	BGARD04	BGARD03	-	Aratu	-	-	-	Real	Cubic meter
Gasoline IPP Santos (\$/b)	BGSAC00	BGSAC04	BGSAC03	-	Santos	-	-	-	US\$	Barrel
Gasoline IPP Santos (Real/cu m)	BGSAD00	BGSAD04	BGSAD03	-	Santos	-	-	-	Real	Cubic meter
Gasoline IPP Paranagua (\$/b)	BGPAC00	BGPAC04	BGPAC03	-	Paranagua	-	-	-	US\$	Barrel
Gasoline IPP Paranagua (Real/cu m)	BGPAD00	BGPAD04	BGPAD03	-	Paranagua	-	-	-	Real	Cubic meter
Gasoline Tramandai Import Parity Price \$/bbl	BGTRA00	BGTRA04	BGTRA03	-	Tramandai	-	-	-	Real	Cubic meter
Gasoline Tramandai Import Parity Price BRL/CBM	BGTRB00	BGTRB04	BGTRB03	-	Tramandai	-	-	-	Real	Cubic meter
Gasoline Guamare Import Parity Price \$/bbl	BGGUA00	BGGUA04	BGGUA03	-	Guamare	-	-	-	Real	Cubic meter
Gasoline Guamare Import Parity Price BRL/CBM	BGGUB00	BGGUB04	BGGUB03	-	Guamare	-	-	-	Real	Cubic meter
Gasoline Duque de Caxias Import Parity Price \$/bbl	BGDEA00	BGDEA04	BGDEA03	-	Duque de Caxias	-	-	-	Real	Cubic meter
Gasoline Duque de Caxias Import Parity Price BRL/CBM	BGDEB00	BGDEB04	BGDEB03	-	Duque de Caxias	-	-	-	Real	Cubic meter
Gasoline Betim Import Parity Price \$/bbl	BGBTA00	BGBTA04	BGBTA03	-	Betim	-	-	-	Real	Cubic meter
Gasoline Betim Import Parity Price BRL/CBM	BGBTB00	BGBTB04	BGBTB03	-	Betim	-	-	-	Real	Cubic meter
Gasoline Cubatao Import Parity Price \$/bbl	BGCUA00	BGCUA04	BGCUA03	-	Cubatao	-	-	-	Real	Cubic meter
Gasoline Cubatao Import Parity Price BRL/CBM	BGCUB00	BGCUB04	BGCUB03	-	Cubatao	-	-	-	Real	Cubic meter
Gasoline Maua Import Parity Price \$/bbl	BGMUA00	BGMUA04	BGMUA03	-	Maua	-	-	-	Real	Cubic meter
Gasoline Maua Import Parity Price BRL/CBM	BGMUB00	BGMUB04	BGMUB03	-	Maua	-	-	-	Real	Cubic meter
Gasoline Paulinia Import Parity Price \$/bbl	BGPLU00	BGPLU04	BGPLU03	-	Paulinia	-	-	-	Real	Cubic meter
Gasoline Paulinia Import Parity Price BRL/CBM	BGPLB00	BGPLB04	BGPLB03	-	Paulinia	-	-	-	Real	Cubic meter
Gasoline Sao Jose dos Campos Import Parity Price \$/bbl	BGSJA00	BGSJA04	BGSJA03	-	Sao Jose dos Campos	-	-	-	Real	Cubic meter
Gasoline Sao Jose dos Campos Import Parity Price BRL/CBM	BGSJB00	BGSJB04	BGSJB03	-	Sao Jose dos Campos	-	-	-	Real	Cubic meter
Gasoline Araucaria Import Parity Price \$/bbl	BGAUA00	BGAUA04	BGAUA03	-	Araucaria	-	-	-	Real	Cubic meter

Gasoline

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Gasoline Araucaria Import Parity Price BRL/CBM	BGAUB00	BGAUB04	BGAUB03	-	Araucaria	-	-	-	Real	Cubic meter
Gasoline Canoas Import Parity Price \$/bbl	BGCNA00	BGCNA04	BGCNA03	-	Canoas	-	-	-	Real	Cubic meter
Gasoline Canoas Import Parity Price BRL/CBM	BGCNB00	BGCNB04	BGCNB03	-	Canoas	-	-	-	Real	Cubic meter
Gasoline Peru Import Parity Price \$/bbl	AGASA00	AGASA04	AGASA03	-	Callao	-	-	-	US\$	Barrel
Gasoline Colombia Import Parity Price \$/bbl	ACOLB00	ACOLB04	ACOLB03	-	Cartagena	-	-	-	US\$	Barrel

Futures

Intraday NYMEX RBOB Mo01	XUHU100	-	FUTURES	-	1st Month NYMEX	-	-	US Cents	Gallon
Intraday NYMEX RBOB Mo02	XUHU200	-	FUTURES	-	2nd Month NYMEX	-	-	US Cents	Gallon

* The assessed date range may move further forward when pipeline scheduling is affected by long holiday weekends

Gasoline

Octane levels: In the US gasoline market, the octane level is defined as RON plus MON, divided by two, or (R+M)/2.

Reid Vapor Pressure: Platts assesses various seasonal RVP grades depending on the time of year. Platts publishes supplemental assessments for some gasoline grades for brief periods of time in the spring and the fall on the US Atlantic Coast, and in Group 3 in the spring, as the markets transition to and from winter and summer grades. Specific dates for the changing of RVP specifications cannot be projected with sharp accuracy because they fluctuate based on pipeline cycles and terminal operations. Platts announces changes to RVP specifications as soon as possible ahead of implementing them. A reference calendar for US gasoline RVP changes can be found at: https://www.spglobal.com/platts/plattscontent/_assets/_files/en/our-methodology/methodology-specifications/us-gasoline-rvp-calendar.xlsx.

US Gulf Coast

Pipeline assessments

These reflect product moving on Colonial Pipeline with input at Pasadena, Texas. Shipments on Colonial Pipeline are scheduled according to shipping cycles. There are typically six cycles per month, for a total of 72 cycles per year. For example, cycles 1, 2,

3, 4, 5 and 6 are for January scheduling, cycles 7, 8, 9, 10, 11 and 12 are for February scheduling, etc. Each cycle lasts an average of five days. Due to market conditions, prompt cycles may carry premiums or discounts versus further forward shipping cycles. The cycle schedule is dictated by Colonial Pipeline, and is subject to change over the course of the year. The cycles among products differ. For example, the gasoline 13th cycle and distillate 13th cycle may not necessarily be in alignment.

For gasoline assessments, Platts rolls over premium conventional, RBOB (Reformulated Blendstock for Oxygenate Blending) and CBOB (Conventional Blendstock for Oxygenate Blending) grades in conjunction with cycle changes for regular CBOB gasoline, known as A grade on the pipeline, instead of conventional, or finished, gasoline (M grade).. This is done to eliminate misalignments between the various gasoline products' RVP levels, NYMEX basis months and regrade values. Premium conventional gasoline is only shipped, and assessed, on every other cycle.

Following a new requirement from Colonial Pipeline, Platts changed its methodology for US Gulf Coast unleaded 87 regular and premium gasoline pipeline assessments to include an option for buyers to nominate either a segregated or fungible batch of gasoline on Colonial Pipeline, effective May 6, 2025. Buyers of regular unleaded (M grade) or premium (V grade) gasoline in the Platts Market on Close assessment process

have until 5 pm CT one business day after the CBOB (A grade) scheduling date to inform the seller of their choice to move the barrels on either a segregated or fungible batch on the relevant Colonial Pipeline cycle. Buyers nominating a segregated batch should ensure they meet Colonial's new minimum batch size requirements for loading at the same location. Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments.

Platts USGC gasoline pipeline assessments reflect Colonial Pipeline specifications.

Unleaded 87 gasoline: These assessments reflect Colonial Pipeline's specifications for conventional M-grade gasoline, which has an octane of minimum 87.

Unleaded 89 gasoline: These assessments reflect conventional gasoline with an octane of minimum 89. These assessments are derived from the value of unleaded 87 gasoline (60%) and unleaded 93 gasoline (40%).

Unleaded 93 gasoline: These assessments reflect Colonial Pipeline's specifications for conventional V-grade gasoline, which has an octane of minimum 93.

Regular RBOB 83.7: These assessments reflect Colonial Pipeline's regular F-grade RBOB, which has an octane of minimum 87 after blending with 10% denatured fuel ethanol.

Premium RBOB 91.4: These assessments reflect Colonial Pipeline's premium H-grade RBOB, which has an octane of minimum 93 after blending with 10% denatured fuel ethanol.

Regular CBOB 87: These assessments reflect Colonial Pipeline's regular A-grade CBOB, which has octane of minimum 87 after blending with 10% denatured fuel ethanol.

Premium CBOB 93: These assessments reflect Colonial Pipeline's premium D-grade CBOB, which has octane of minimum 93 after blending with 10% denatured fuel ethanol.

East Texas CBOB 87: These assessments reflect Colonial Pipeline's regular A-grade CBOB, which has octane of minimum 87 after blending with 10% denatured fuel ethanol, but with East Texas RVP requirements normalized using Platts' RVP adjustment values.

East Texas Premium CBOB 93: These assessments reflect Colonial Pipeline's premium D-grade CBOB, which has octane of minimum 93 after blending with 10% denatured fuel ethanol, but with East Texas RVP requirements normalized using Platts' RVP adjustment values.

Gasoline RBOB Dallas: These assessments reflect Colonial Pipeline's regular F-grade RBOB, which has octane of minimum 87 after blending with 10% denatured fuel ethanol, but with Dallas RVP requirements normalized using Platts' RVP adjustment values for delivery in 5-15 days.

Gasoline Premium RBOB Dallas: These assessments reflect Colonial Pipeline's premium H-grade RBOB, which has octane of minimum 93 after blending with 10% denatured fuel ethanol, but with Dallas RVP requirements normalized using Platts' RVP adjustment values for delivery in 5-15 days.

Waterborne assessments

These reflect a minimum volume of 50,000 barrels and a maximum volume of 125,000 barrels, for loading 10 to 18 days forward from the date of publication. The barrels are expected to meet Colonial Pipeline's product specifications.

USGC waterborne assessments are basis Beaumont/Port Arthur, Lake Charles, and the greater Houston area which includes Texas City, Deer Park, Pasadena and Houston. Other loading points including Corpus Christi, New Orleans, Baton Rouge and Pascagoula, may be considered for assessments but this information may be normalized to the three main USGC loading areas.

This market is assessed on an FOB basis. The most open and representative bid will simply be for gasoline at a generic USGC loading point. Bids that state individual loading ports may be viewed as restrictive and may be subject to normalization.

In a USGC waterborne transaction, the seller nominates the port and terminal in the USGC area and informs the buyer within five days of the first day of the three-day laycan. The buyer then nominates the vessel and the loading dates within the three-day laycan, pending terminal acceptance.

Platts uses the prompt cycle pipeline assessment for unleaded 87 gasoline as the basis to determine its waterborne assessment for gasoline. Applicable premiums or discounts for waterborne product will be added or subtracted from the primary pipeline assessment.

Ex-RVO assessments mirror waterborne methodology, but do not include the RVO price.

The waterborne-pipeline spreads show the spread between existing waterborne FOB barge assessments and the corresponding prompt cycle Colonial Pipeline assessments for the same grade.

Colonial Line Space

Platts assesses the value of line space for distillates and gasoline on three major Colonial Pipeline segments between Pasadena, Texas, and Linden, New Jersey. They reflect the premium or discount paid during the exchange of product at two locations along Colonial's Line 1 and/or Line 3, as well as Line 2 and/or Line 3. The assessments are linked to cycle numbers on the Colonial Pipeline schedule. The assessments reflect the transfer of a minimum of 25,000 barrels of distillates or gasoline, and are not limited to any specific product. The buyer of the line space determines which product is shipped.

RVP adjustments

Platts assesses the marginal value of a 1-psi difference above and below the prevailing RVP specification for US Gulf Coast low-octane and high-octane CBOB. The daily RVP adjustment assessments are based on market indications regarding octane and RVP levels, as well as observed prices of related gasoline grades and blendstocks.

Octane Adjustments

Platts assesses the marginal value of a 1-AKI difference above and below the prevailing octane specification for US Gulf Coast low-octane and high-octane CBOB. The daily octane adjustment assessment reflects the resulting value of the USGC Premium CBOB pipeline and USGC regular CBOB pipeline differential spread divided by 7.7 octane points.

US Atlantic Coast

Platts assesses barrels coming off Colonial Pipeline's Line 3 running from Greensboro, North Carolina to Linden, New Jersey; barrels loading into the Buckeye Pipeline at Linden, New Jersey, and the Laurel Pipeline at Boothwyn, Pennsylvania; and barges and cargoes in New York Harbor.

Platts publishes outright price assessments for all products as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same

futures contract month that forms the basis of the outright price assessments. Rollover dates on the US Atlantic Coast are the last trading day of the month.

Colonial Pipeline Linden assessments

Platts Colonial Pipeline Linden assessments are basis Linden and reflect Colonial Pipeline specifications at the delivery point, which can be anywhere along Line 3.

Shipments on Colonial Pipeline are scheduled according to cycles. There are typically six cycles per month, for a total of 72 cycles per year. Platts assesses the first full Colonial cycle prior to arrival at the start of Line 3 in Greensboro, North Carolina. For example, if Cycle 1 RBOB gasoline is to start pumping at Greensboro on Jan. 23, Platts would assess C1 until Jan. 22 and then roll to C2 on Jan. 23. If the Colonial Pipeline schedule were to change, Platts would adjust the cycle roll date in line with the schedule. CBOB, RBOB and conventional 87 gasoline assessments all reflect product being delivered on the same cycle.

Buckeye and Laurel assessments

Buckeye and Laurel pipeline assessments reflect gasoline for loading four to eight days forward from the date of publication on Monday and Tuesday, and six to 10 days forward Wednesday to Friday. The assessed date range may move further forward when pipeline scheduling is affected by holidays. Platts will announce these changes prior to implementation. Buckeye and Laurel pipeline assessments reflect a minimum volume of 25,000 barrels and a maximum volume of 75,000 barrels.

For bids or offers on the Buckeye Pipeline submitted during the Platts Market on Close assessment process, the bidder must provide a Buckeye batch number. The seller must be willing to deliver on a batch provided by the buyer during the three-day laycan. For positions on a barge/Buckeye basis, the market maker must be willing to deliver or accept either a barge or pipeline barrel at the counterparty's choice.

Platts Buckeye and Laurel gasoline pipeline assessments reflect specifications published by Buckeye Partners.

Regular RBOB: These assessments reflect Buckeye's specifications for regular RBOB, which has an octane of minimum 87 after blending with 10% denatured fuel ethanol.

Premium RBOB (PBOB): These assessments reflect Buckeye's specifications for premium RBOB, which has an octane of minimum 93 after blending with 10% denatured fuel ethanol.

Regular CBOB: These assessments reflect Buckeye's specifications for regular grades of conventional gasoline suboctane, which have an octane of minimum 87 after blending with 10% denatured fuel ethanol.

Premium CBOB: These assessments reflect premium grades of conventional gasoline suboctane, which have an octane of minimum 93 after blending with 10% denatured fuel ethanol.

Barge assessments

These reflect product loading three to seven days forward from the date of publication, on an FOB New York Harbor basis. The CBOB and RBOB barge assessments reflect a minimum volume of 25,000 barrels and a maximum volume of 100,000 barrels. FOB NYH barge assessments for premium CBOB and premium RBOB reflect volumes of 25,000-75,000 barrels. For barge assessments with a volume range of 25,000-75,000 barrels, values in the 25,000-50,000 barrel range will take priority in the assessment.

Platts USAC barge assessments reflect market activity where the seller nominates a loading terminal three days ahead of the first day of a three-day laycan, including at least two full business days. Additionally, the buyer must nominate to the seller a barge and loading date two days prior to intended day of loading, within the stipulated three-day laycan. This period should include at least one full business day. The nomination should be submitted prior to 10:30 am ET. The seller should give

notice of clearance, pending terminal acceptance of the barge nomination within six hours of receipt of the buyer's nomination.

Dead prompt barge assessments

These reflect loadings on an FOB New York Harbor basis one to three days forward from the date of publication and mirror the barge specifications, and volume.

Cargo assessments

These reflect product for delivery five to 15 days forward from the date of publication. They are assessed on a delivered basis into NYH, with a minimum volume of 150,000 barrels. Platts USAC gasoline cargo assessments are published on both an inside-duty basis and an ex-duty basis.

Inside-duty assessments are inclusive of import duties and RINs credits. Platts also publishes an assessment of the gasoline duty, RINs, and importing fees called Duty+RINs. The value of RINs credits is derived from the RINs calendar-year assessments published by Platts. Platts factors in the RIN value corresponding to the current calendar year.

Ex-duty assessments are published for conventional gasoline and RBOB. These ex-duty assessments are exclusive of RINs, import duty and importing fees. The duty component of this assessment consists of a Harbor Maintenance Fee, Merchandising Process Fee, Spill Tax and duty. Duty is applied at the level published in the Harmonized Tariff Schedule by the United States International Trade Commission. Spill Tax is applied at the level set by the Oil Spill Liability Trust Fund. Revenues from the Superfund Tax, reinstated on Jan. 1, 2023, finance the federal Hazardous Substance Trust Fund. The Merchandising Processing Fee and Harbor Maintenance Fee are established by the Internal Revenue Service and collected by the US Customs and Border Protection.

Florida waterborne assessments

These reflect the value of cargoes with a minimum size of 125,000 barrels of regular CBOB, premium CBOB, delivered 3-15

days forward from the date of assessment on a DDP (inside duty) basis in Port Everglades and Tampa, Florida.

Cargoes delivered in other Florida ports, or using other shipping incoterms, may be normalized for consideration in these assessments.

Platts publishes the assessments daily in US cents per gallon, and their respective monthly averages except relevant RVP symbols which are published daily.

Platts also publishes the differential to Gulf Coast prompt product, and rollover dates and RVP calendar mirror the Gulf Coast pipeline CBOB and premium CBOB.

Chicago

Pipeline assessments

These reflect product delivered in Chicago via pipeline, for a minimum volume of 10,000 barrels. From July 2, 2018 to Feb. 2, 2025, the Chicago pipeline assessments reflected the lowest value between the Badger, West Shore and Wolverine pipelines. Bids, offers or trades for locations other than Badger, West Shore and Wolverine may be included in the assessment process but will be normalized back to the same basis. Since Feb. 3, 2025, Platts removed Wolverine Pipeline from the basket underpinning the generic Chicago assessment which now reflects the lowest value between the Badger and West Shore pipelines, following the removal of the 1 psi waiver in multiple Midwest states and a division in RVP. Platts continues to assess the Wolverine Pipeline as a stand-alone assessment since Feb. 1, 2020. Platts renamed the CBOB, RBOB, Premium 91 and PBOB assessments from Chicago to West Shore/Badger pipelines on March 3, 2026 to provide further clarity on the assessed pipelines.

BCX assessments

These reflect product at the Buckeye Complex storage hub in the Chicago area, for a minimum volume of 10,000 barrels.

Bids, offers and trades for other pipelines or terminals may be normalized back to the BCX basis for assessment purposes.

Chicago CBOB Index Assessments

These reflect a combination of daily differential closes and traded volumes from the previous cycle for product delivered via the West Shore, Badger, and Wolverine pipelines, as well as the Buckeye Storage hub.

The weighting for each assessment is determined on a cycle basis and is derived from trade indications provided by market participants. In cases where trade volumes are not specified, a default minimum volume of 10,000 barrels, consistent with Platts' requirements, is assumed

For both Chicago pipeline and BCX assessments, Platts has established cycle changes every 10 days, on the 5th, 15th, and 25th of the month. The assessments reflect product moving on the prompt cycle.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments. In Chicago, rollover dates will align with Explorer Pipeline's cycle schedule.

Premium unleaded: Octane of minimum 91; lead of maximum 0.01 g/gallon; gravity of 62 API, reflecting premium CBOB, also known as P91.

CBOB: Octane of minimum 87 after blending with 10% denatured fuel ethanol; all other specifications follow Explorer Pipeline specifications for CBOB.

RBOB: Octane of minimum 84.6; gravity of 62 API.

PBOB: Octane of minimum 91.4.

Group 3

Assessments reflect product moving on the ONEOK Pipeline system on an FOB Tulsa, Oklahoma, basis.

Assessments reflect market activity on the next business day from the date of publication. The suboctane assessments reflect a minimum volume of 10,000 barrels, while the premium gasoline assessment reflects a minimum volume of 5,000 barrels.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments. Rollover dates in Group 3 are the last trading day of the month.

Platts Group 3 gasoline assessments reflect specifications published by the ONEOK Pipeline.

Regular suboctane: These assessments reflect ONEOK Pipeline's specifications for V-grade suboctane, which has an octane of minimum 87 after blending with 10% denatured fuel ethanol.

Regular suboctane Low RVP: These assessments reflect ONEOK Pipeline's specifications for V78-grade suboctane, which has an octane of minimum 87 after blending with 10% denatured fuel ethanol.

Premium unleaded 91 gasoline: This assessment reflects ONEOK Pipeline's specifications for A-grade premium unleaded gasoline, which has an octane of minimum 91.

Premium unleaded 91 Low RVP gasoline: This assessment reflects ONEOK Pipeline's specifications for A78-grade premium unleaded gasoline, which has an octane of minimum 91.

Gasoline RBOB Denver: These assessments reflect ONEOK Pipeline's specifications for VRM-grade reformulated gasoline, which has an octane of minimum 85 after blending with 10% denatured fuel ethanol.

Gasoline Premium RBOB Denver: This assessment reflects ONEOK Pipeline's specifications for ARM-grade premium reformulated gasoline, which has an octane of minimum 88.5.

US West Coast

Pipeline assessments

These reflect product moving on the Kinder Morgan Energy Partners Pipeline system in California and Arizona; and on the Olympic Pipeline system in the Pacific Northwest. The assessments reflect a minimum volume of 25,000 barrels for Los Angeles CARBOB 84 and 10,000 barrels for other grades, and a maximum volume of 25,000 barrels for all grades.

Los Angeles and San Francisco pipeline assessments

Shipments on the Kinder Morgan pipeline are scheduled according to cycles. There are typically four cycles every month for a total of 48 cycles per year. For example, cycles 1, 2, 3 and 4 are for January, cycles 5, 6, 7 and 8 are for February, etc. Each cycle lasts approximately 7.5 days, but changes in the schedule may occur. Platts assesses an "any-barrel," which can be scheduled for any cycle during the current month.

Platts assessments in California reflect Kinder Morgan's Pacific pipeline specifications.

Regular suboctane: These assessments reflect Kinder Morgan pipeline's specifications for suboctane unleaded regular gasoline, which has an octane of minimum 87 after blending with 10% denatured fuel ethanol.

Premium suboctane: These assessments reflect Kinder Morgan pipeline's specifications for suboctane unleaded premium

gasoline, which has an octane of minimum 92 after blending with 10% denatured fuel ethanol.

Regular CARBOB: California Reformulated Gasoline Blendstock for Oxygenate Blending (CARBOB) is a special RBOB formula mandated by the state of California. It is blended with ethanol to produce finished gasoline that meets the standards of the California Air Resources Board. These assessments reflect Kinder Morgan's specifications for regular CARBOB which has an octane of minimum 87 after blending with 10% denatured fuel ethanol.

Premium CARBOB: These assessments reflect Kinder Morgan's specifications for premium CARBOB which has an octane of minimum 91 after blending with 10% denatured fuel ethanol.

Arizona pipeline assessments

Platts assesses two Arizona RBOB grades, also known as AZRBOB, on an FOB Los Angeles basis for use in the Phoenix, Arizona, market.

Regular AZRBOB: This assessment reflects Kinder Morgan's specifications for regular AZRBOB, which has an octane of minimum 87 after blending with 10% denatured fuel ethanol.

Premium AZRBOB: This assessment reflects Kinder Morgan's specifications for premium AZRBOB, which has an octane of minimum 91 after blending with 10% denatured fuel ethanol.

Portland and Seattle pipeline assessments

Shipments on the Olympic Pipeline system are also scheduled according to cycles. There are typically five cycles every month with the exception of February, which has four, for a total of 59 cycles per year. Each cycle lasts approximately six to seven days, but changes in the schedule may occur. Portland and Seattle product assessments reflect prompt market activity, one to four days forward from the date of publication.

Platts assessments in Portland and Seattle reflect Olympic Pipeline specifications.

Regular suboctane: These assessments reflect Olympic Pipeline's specifications for unleaded regular suboctane gasoline (Segment 1 for Seattle; and Segments 2 and 3 for Portland), which has an octane of minimum 87 after blending with 10% denatured fuel ethanol.

Premium suboctane: These assessments reflect Olympic Pipeline's specifications for unleaded premium suboctane gasoline (Segment 1 for Seattle; and Segments 2 and 3 for Portland), which has an octane of minimum 92 after blending with 10% denatured fuel ethanol.

Cargo assessment

The USWC cargo assessment, basis CIF Los Angeles, reflects a minimum volume of 50,000 barrels of unleaded 87 octane conventional gasoline, for delivery 14-21 days forward from the date of publication.

Latin America

Mexico gasoline: Platts assesses delivered gasoline into eastern and western Mexico. In eastern Mexico, Platts assesses a RBOB gasoline blend designated for use in Mexico City and meeting the country's specifications, on a DAP Tuxpan basis, for delivery seven to 21 days forward from the date of publication. In western Mexico, Platts assesses product meeting the country's specifications on a DAP Lazaro Cardenas and DAP basis, for delivery 21-35 days forward. All assessments reflect 250,000-350,000 barrel shipments, and are published in US dollars per barrel and the equivalent Mexico Pesos per liter value.

Ecuador gasoline: Platts assesses RON 95 gasoline on a DAP Esmeraldas basis, meeting Petroecuador's specifications, delivered 15-30 days forward in 200,000-300,000 barrel shipments.

Delivered Brazil gasoline (US-origin): Platts assesses gasoline meeting Brazil's specifications before blending with ethanol

(gasoline A), in 250,000-350,000 barrel cargoes on a DAP basis to Belem, Itaquí, Suape, Aratu, Santos and Paranaguá for delivery 15-30 days forward from the day of publication, with single port discharge and originating from the US Gulf Coast. The assessments are published in \$/barrel, US cents/gal and Brazilian Real/cubic meter. Platts also publishes the differential to the NYMEX RBOB futures contract in US cents/gallon for the delivered Brazil gasoline assessment. The differential will correlate with the front-month NYMEX RBOB futures contract from the first business day through the 15th of each month. From the first business day after the 15th through the last business day of the month, the differential will correlate with the second-month NYMEX RBOB futures contract.

Delivered Brazil gasoline (All-origin): Platts assesses gasoline meeting Brazil's specifications before blending with ethanol (gasoline A), in 250,000-350,000 barrel cargoes on a DAP basis to Belem, Itaquí, Suape, Aratu, Santos and Paranaguá for delivery 15-30 days forward from the day of publication, with single port discharge and originating from all origins. The assessments are published in \$/barrel, US cents/gal and Brazilian Real/cubic meter. Platts also publishes the differential to the NYMEX RBOB futures contract in US cents/gallon for the delivered Brazil gasoline assessment. The differential will correlate with the front-month NYMEX RBOB

futures contract from the first business day through the 15th of each month. From the first business day after the 15th through the last business day of the month, the differential will correlate with the second-month NYMEX RBOB futures contract.

Delivered Brazil gasoline (US-origin versus All-origin spread): Platts publishes spread assessments showing the difference in value between gasoline from all origins and delivered from the US Gulf Coast to Belem, Itaquí, Suape, Aratu, Santos and Paranaguá. The spread assessments are published in \$/barrel and in US cents/gallon.

Brazil gasoline domestic market: Platts assesses gasoline meeting Brazil's specifications before blending with ethanol (gasoline A) that is available in tanks at the two main ports in terms of liquidity in the Northeast (Suape and Itaquí), and at the two largest in the South/Southeast (Santos and Paranaguá) with imports being considered only after the product has been nationalized. These assessments of spot prices on an FCA basis reflect batches of 300-2,000 cubic meters for delivery up to seven days forward from time of publication. Gasoline usually trades at these locations as a differential to domestic reference prices and Platts publishes the final outright price in both Brazilian Real per cubic meter and US cents per gallon.

Brazil gasoline IPP: Platts also publishes import parity prices for gasoline meeting Brazil's specifications before blending with ethanol, at the following locations: Manaus, Itaquí, Suape, Aratu, Santos, Paranaguá, Tramandai, Guamáre, Duque de Caxias, Betim, Cubatao, Maua, Paulínia, Sao José dos Campos, Araucária, Canoas. The price represents the cost of gasoline imported on the day of publication at each specified port. It includes the product value, freight, demurrage, insurance, losses, marine taxes, storage, trucking, multi-port discharge optionality and quality differences, where applicable. The prices are published in \$/barrel and in Brazilian Real/cubic meter.

Colombia gasoline IPP: Platts publishes an import parity price for gasoline meeting Colombia's specifications at Cartagena. The price represents the cost of gasoline imported on the day of publication. It includes the product value, freight, demurrage, insurance, losses, storage, and quality differences, where applicable. The price is published in \$/barrel.

Peru gasoline IPP: Platts publishes an import parity price for gasoline meeting Peru's specifications for 92 RON product, before blending with ethanol, at Callao. The price represents the cost of gasoline imported on the day of publication. It includes the product value, freight, demurrage, insurance, losses, storage, and quality differences, where applicable. The price is published in \$/barrel.

Blendstocks

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Alkylate DAP USGC barge	AAXBA00	AAXBA03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Alkylate DAP USGC barge blend value	AASFE00	AASFE03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Alkylate DAP USGC barge vs Gasoline Unl 87 USGC pipe	AAXB00	AAXB03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Alkylate DAP USGC barge vs USGC Unl87 waterborne	AAFIE00	AAFIF00	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Alkylate DAP USGC barge vs NYMEX RBOB	AREFA00	AREFA03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Raffinate DAP USGC barge	AAXB00	AAXB03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Raffinate DAP USGC barge blend value	AATAS00	AATAS03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Raffinate DAP USGC barge vs Gasoline Unl 87 USGC pipe	AAXBE00	AAXBE03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Raffinate DAP USGC barge vs USGC Gasoline Unl 87 waterborne	AAJMU00	AAJMU03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Raffinate DAP USGC barge vs NYMEX RBOB	AREFB00	AREFB03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Reformate DAP USGC barge	AAXBC00	AAXBC03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Reformate DAP USGC barge blend value	AASFG00	AASFG03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Reformate DAP USGC barge vs Gasoline Unl 87 USGC pipe	AAXBF00	AAXBF03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Reformate DAP USGC barge vs USGC Gasoline Unl 87 waterborne	AAJMV00	AAJMV03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon
Reformate DAP USGC barge vs NYMEX RBOB	AREFE00	AREFE03	DAP	Houston	3-15 days forward	50,000	-	US Cents	Gallon

Blendstocks

Platts assesses the value of alkylate, reformate and raffinate, reflecting shipments of at least 50,000 barrels, basis DAP Houston, for delivery three to 15 days forward from the date of publication. Assessments are published as an outright price and as differentials to the Platts USGC unleaded 87 pipeline assessment, the Platts USGC unleaded 87 waterborne assessment and the front month NYMEX RBOB futures. Bids,

offers, and expressions of interest to trade US Gulf Coast alkylate, reformate, and raffinate barges on an FOB basis may be published in the Americas blendstocks physical Market on close assessment process, but maybe normalized to DAP basis for assessment purposes.

Alkylate: RVP of 4-6 psi; octane of 92-93 (R+M)/2. Product specifications will be normalized to reflect value for 92 (R+M)/2 and 5 RVP for the assessment.

Reformate: Gravity of 30-55 API; RVP of 1-3 psi; sulfur of maximum 0.5%; octane of 98-102 (R+M)/2. Products specifications will be normalized to reflect value for 100 (R+M)/2 and 1 RVP for the assessment.

Raffinate: Gravity of 60-70 API; RVP of maximum 5 psi; sulfur of maximum 0.5%; octane of 58-60 (R+M)/2. Product specifications will be normalized to reflect value for 60 (R+M)/2 and 4 RVP for the assessment.

Naphtha

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM
Barges										
Naphtha USGC barge	AALPG00	AALPH00	DAP	Houston	5-15 days forward	50,000	-	-	US Cents	Gallon
Naphtha USGC barge vs USGC unleaded waterborne	AASGZ00	AASGZ03	DAP	Houston	5-15 days forward	50,000	-	-	US Cents	Gallon
Naphtha USGC vs Maya crude	AASHA00	AASHA03	DAP	Houston	5-15 days forward	50,000	-	-	US Cents	Gallon
Naphtha USGC vs WTI	AAJND00	AAJND03	DAP	Houston	5-15 days forward	50,000	-	-	US Cents	Gallon
Naphtha USGC barge vs NYMEX RBOB	AREFD00	AREFD03	DAP	Houston	5-15 days forward	50,000	-	-	US Cents	Gallon
Heavy Naphtha USGC barge	AALPI00	AALPJ00	DAP	Houston	5-15 days forward	50,000	-	-	US Cents	Gallon
Heavy Naphtha USGC barge vs USGC unleaded waterborne	AASHD00	AASHD03	DAP	Houston	5-15 days forward	50,000	-	-	US Cents	Gallon
Heavy Naphtha USGC barge vs NYMEX RBOB	AREFC00	AREFC03	DAP	Houston	5-15 days forward	50,000	-	-	US Cents	Gallon
Light Straight Run Naphtha (cts/gal)	AAXQK00	AAXQK03	DAP	Houston	3-15 days forward	50,000	-	-	US Cents	Gallon
Light Straight Run Naphtha (\$/mt)	AAXQM00	AAXQM03	DAP	Houston	3-15 days forward	50,000	-	-	US\$	MT
Light Straight Run Naphtha vs Enterprise natural gasoline	AAXQN00	AAXQN03	DAP	Houston	3-15 days forward	50,000	-	-	US Cents	Gallon
Cargoes										
Naphtha FOB USGC (cts/gal)	AAXJP00	AAXJP03	FOB	Houston	7-21 days forward	30,000 mt	40,000 mt	35,000 mt	US Cents	Gallon
Naphtha FOB USGC (\$/mt)	AAXJU00	AAXJU03	FOB	Houston	7-21 days forward	30,000 mt	40,000 mt	35,000 mt	US\$	Metric Tons
Naphtha USGC vs Naphtha MOPJ(\$/mt)	ANAPD00	ANAPD03	FOB	Houston	7-21 days forward	30,000 mt	40,000 mt	35,000 mt	US\$	Metric Tons
Naphtha MOPJ strip Houston	ANABM00	ANAPE03	-	Japan	45-75 days forward	-	-	-	US\$	Metric Tons
Naphtha C+F Japan Cargo Financial Houston BalMo (\$/mt)	ANAPE00	ANABM03	-	Japan	-	-	-	-	US\$	Metric Tons
Naphtha C+F Japan Cargo Financial Houston Mo01 (\$/mt)	ANAPA00	ANAPA03	-	Japan	-	-	-	-	US\$	Metric Tons
Naphtha C+F Japan Cargo Financial Houston Mo02 (\$/mt)	ANAPB00	ANAPB03	-	Japan	-	-	-	-	US\$	Metric Tons
Naphtha C+F Japan Cargo Financial Houston Mo03 (\$/mt)	ANAPC00	ANAPC03	-	Japan	-	-	-	-	US\$	Metric Tons
Colombian diluent naphtha	AAXYB00	AAXYB03	DES	Colombia	15-30 days forward	170,000	180,000	-	US\$	Barrel

Naphtha

Platts assesses the value of US Gulf Coast naphtha on a DAP Houston and FOB Houston basis.

Barge assessments

The DAP standard and heavy naphtha assessments reflect a minimum volume of 50,000 barrels, for delivery five to 15 days forward from the date of publication. The DAP light straight run naphtha assessment reflects a minimum volume of 50,000 barrels for a delivery three to 15 days forward from the date of publication. The barge assessments reflect market activity within an agreed three-day delivery period. Platts uses the

waterborne USGC conventional gasoline (M grade) assessment as the basis to determine its USGC naphtha barge assessments, but also publishes a differential to the front month NYMEX RBOB futures.

Standard naphtha: These assessments reflect the value of reforming grade naphtha, with an initial boiling point of 110 F minimum; 10% distillation, 175 F minimum; final boiling point of 395 F maximum; color, +20 minimum; API, 63 maximum; RVP, 6 psi maximum; N+A, minimum 38% volume; nitrogen, 3 ppm maximum; sulfur, 350 ppm maximum; lead, 50 ppb maximum; oxygenates, 50 ppm maximum; chloride, 1 ppm maximum; olefin, maximum 1%; H₂S, less than 1 ppm liquids.

Heavy naphtha: These assessments reflect the value of reforming grade material, with an initial boiling point of 160 F minimum; 10% distillation, 175 F minimum; final boiling point of 395 F maximum; color, +20 minimum; API, 58 maximum; RVP, 3.5 psi maximum; N+A, minimum 38% volume; nitrogen, 3 ppm maximum; sulfur, 350 ppm maximum; lead, 50 ppb maximum; oxygenates, 50 ppm maximum; chloride, 1 ppm maximum; olefin, maximum 1%; H₂S, less than 1 ppm liquids.

Light straight run naphtha: These reflect the value of material with maximum 83 API gravity; maximum 250 ppm sulfur; 13 RVP maximum; minimum 65% paraffin content; minimum color of 20; maximum 50 ppm oxygenates; maximum 10 ppm mercury;

maximum 50 ppm lead; and maximum 10 ppm H₂S. The LSR naphtha differential to Enterprise natural gasoline reflects a Month 2 basis when more than half the assessed laycan rolls into the next month.

Cargo assessment

The FOB USGC naphtha assessment reflects the value of 30,000-40,000 mt blended and non-blended cargoes exported

from the US Gulf Coast with the following specifications, which are aligned with CFR Japan naphtha specifications: paraffins: minimum 65%; specific gravity at 60 F: 0.65-0.74 g/m; sulfur: maximum 650 ppm; N-paraffins: minimum 30% volume; initial boiling point: minimum +25 C/77 F; final boiling point: maximum 204 C/399.2 F; color: minimum +20 saybolt; RVP: maximum 13 psi; lead: maximum 150 ppb; oxygenates: maximum 50 ppm TAME, MTBE and/or ETBE; chlorine: maximum 1 ppm; mercury:

maximum 1 ppb; arsenic: maximum 20 ppb; olefin: maximum 1%; carbon disulphide: maximum 3 ppm.

Latin America

Colombia naphtha: Platts assesses diluent naphtha meeting Ecopetrol's specifications on a DES Colombia basis for product delivered 15-30 days forward in 170,000-180,000 barrel shipments.

Jet fuel

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
US Gulf Coast									
Jet Kero 54 USGC prompt pipeline	PJAB000	PJAB003	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Jet Kero 54 USGC prompt pipeline vs NYMEX ULSD	ADIAS00	ADIAS03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Jet Kero 54 USGC pipeline Cycle 01	AAELQ00	AAFOY00	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Jet Kero 54 USGC pipeline Cycle 02	AAELR00	AAFOZ00	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Jet Kero 54 USGC pipeline Cycle 03	AAELS00	AAFSX00	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Jet Kero 54 USGC pipeline Cycle 04	AAELT00	AAFSY00	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Jet Kero 54 USGC pipeline Cycle 05	AAELU00	AAFSZ00	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Jet Kero 54 USGC pipeline Cycle 06	AAELV00	AAFTA00	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
Jet fuel 7-21 day strip	AUSGG00	AUSGG03	FOB	Houston	Forward strip	25,000	-	US Cents	Gallon
Jet fuel 15-30 day strip	AUSGE00	AUSGE03	FOB	Houston	Forward strip	25,000	-	US Cents	Gallon
Jet fuel 21-35 day strip	AUSGF00	AUSGF03	FOB	Houston	Forward strip	25,000	-	US Cents	Gallon
Jet Kero 54 USGC waterborne	PJABM00	PJABM03	FOB	Houston	10-18 days forward	50,000	125,000	US Cents	Gallon
USGC waterborne jet spread	AUSGL00	AUSGL03	FOB	Houston	10-18 days forward	50,000	125,000	US Cents	Gallon
Jet A differential	AUSGC00	AUSGC03	FOB	Houston	7-21 days forward	-	-	US Cents	Gallon
Jet A-1 differential	AUSGD00	AUSGD03	FOB	Houston	7-21 days forward	-	-	US Cents	Gallon
Jet Kero 55 USGC prompt pipeline	PJABP00	PJABP03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Jet Kero 55 USGC prompt pipeline vs NYMEX ULSD	ADIAZ00	ACIAZ00	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Jet Kero 55 USGC waterborne	PJABN00	PJABN03	FOB	Houston	10-18 days forward	50,000	125,000	US Cents	Gallon
Jet Kero ULS USGC prompt pipeline	AAVTL00	AAVTL03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Jet Kero ULS USGC prompt pipeline vs NYMEX ULSD	ADICA00	ACICA00	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Jet Kero ULS USGC waterborne	AAVTK00	AAVTK03	FOB	Houston	10-18 days forward	50,000	125,000	US Cents	Gallon
Jet Kero Dallas	DALLJ00	DALLJ03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
Jet Kero Dallas vs NYMEX ULSD	DALLL00	DALLL03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
Jet Kero Dallas vs Jet Kero 54 USGC prompt pipeline	DALLM00	DALLM03	FOB	Dallas	5-15 days	5,000	-	US Cents	Gallon
US Atlantic Coast									
Jet kero 54 USAC Linden pipeline prompt	AAXPV00	AAXPV03	FOB	NYH	First Full Cycle	25,000	-	US Cents	Gallon
Jet kero 54 USAC Linden pipeline prompt vs NYMEX ULSD	ADIJA00	ACIJA00	FOB	NYH	First Full Cycle	25,000	-	US Cents	Gallon
Jet Kero New Jersey Buckeye Pipeline	AAJNL00	AAJNM00	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Jet Kero New Jersey Buckeye Pipeline vs NYMEX ULSD	ADIEA00	ADIEA03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Jet Kero New York Harbor barge	PJAAW00	PJAAW03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Jet Kero New York Harbor barge vs NYMEX ULSD	ADIGA00	ADIGA03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Jet Kero LS New Jersey Buckeye Pipeline	AAJNN00	AAJNO00	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Jet Kero LS New Jersey Buckeye Pipeline vs NYMEX ULSD	ADIFA00	ACIFA00	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Jet Kero LS New York Harbor barge	PJABJ00	PJABJ03	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon
Jet Kero LS New York Harbor barge vs NYMEX ULSD	ADIHA00	ACIHA00	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon
Jet Kero ULS New York Harbor Barge	AAVTI00	AAVTI03	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon
Jet Kero ULS New York Harbor Barge vs NYMEX ULSD	ADJKH00	ACJKH00	FOB	NYH	3-7 days	25,000	75,000	US Cents	Gallon

Jet fuel

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Florida									
Jet Fuel Port Everglades waterborne	APPNQ00	APPNQ03	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Jet Fuel Port Everglades vs NYMEX ULSD	APPNR00	APPNX00	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Jet Fuel Port Everglades vs USGC prompt	APPNS00	APPNS03	DDP	Port Everglades	3-15 days forward	125,000	-	US Cents	Gallon
Jet Fuel Port Tampa waterborne	APPNT00	APPNT03	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Jet Fuel Port Tampa vs NYMEX ULSD	APPNU00	APPOB00	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Jet Fuel Port Tampa vs USGC prompt	APPNV00	APPNV03	DDP	Tampa	3-15 days forward	125,000	-	US Cents	Gallon
Midwest									
Jet Kero Chicago pipeline	PJAAF00	PJAAF03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Jet Kero Chicago pipeline vs NYMEX ULSD	ADILA00	ADILA03	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Jet Kero ULS No 1 Chicago pipeline	PJACD00	AAFZR00	FOB	Chicago	Prompt Cycle	10,000	-	US Cents	Gallon
Jet Kero Group 3 pipeline	PJAAI00	PJAAI03	FOB	Tulsa, OK	Next business day	5,000	-	US Cents	Gallon
Jet Kero Group 3 pipeline vs NYMEX ULSD	ADIKA00	ADIKA03	FOB	Tulsa, OK	Next business day	5,000	-	US Cents	Gallon
Jet Kero ULS No 1 Group 3 pipeline	PJACB00	AAFZQ00	FOB	Tulsa, OK	Next business day	5,000	-	US Cents	Gallon
Jet Kero Denver	DENVJ00	DENVJ03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
Jet Kero Denver vs NYMEX ULSD	DENVL00	DENVL03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
Jet Kero Denver vs Jet Kero Group 3 pipeline	DENVM00	DENVM03	FOB	Denver	Next business day	5,000	-	US Cents	Gallon
US West Coast									
Jet Kero Los Angeles pipeline	PJAAP00	PJAAP03	FOB	Los Angeles	Any pipeline cycle	25,000	-	US Cents	Gallon
Jet Kero Los Angeles pipeline vs NYMEX ULSD	AANVY00	AANVY03	FOB	Los Angeles	Any pipeline cycle	25,000	-	US Cents	Gallon
Jet Kero San Francisco pipeline	PJABC00	PJABC03	FOB	San Francisco	Any pipeline cycle	10,000	25,000	US Cents	Gallon
Jet Kero San Francisco pipeline vs NYMEX ULSD	ADINA00	ACINA00	FOB	San Francisco	Any pipeline cycle	10,000	25,000	US Cents	Gallon
Jet Kero Seattle pipeline	PJABB00	PJABB03	FOB	Seattle	1-4 days forward	10,000	25,000	US Cents	Gallon
Jet Kero Seattle pipeline vs NYMEX ULSD	ADIOA00	ACIOA00	FOB	Seattle	1-4 days forward	10,000	25,000	US Cents	Gallon
Jet Kero USWC waterborne	PJABI00	PJABI03	CIF	Los Angeles	14-21 days forward	50,000	-	US Cents	Gallon
Caribbean & Latin America									
Jet DAP Eastern Mexico (\$/barrel)	AATFG00	AATFG03	DAP	Tuxpan	7-21 days forward	250,000	350,000	US\$	Barrel
Jet DAP Eastern Mexico (Pesos/liter)	AATFJ00	AATFJ03	DAP	Tuxpan	7-21 days forward	250,000	350,000	Mexico Pesos	Liter
Jet DAP Lazaro Cardenas (\$/barrel)	AATFF00	AATFF03	DAP	Rosarito	21-35 days forward	250,000	350,000	US\$	Barrel
Jet DAP Lazaro Cardenas (Pesos/liter)	AATFP00	AATFP03	DAP	Rosarito	21-35 days forward	250,000	350,000	Mexico Pesos	Liter
Jet DAP Rosarito (\$/barrel)	AATFC00	AATFC03	DAP	Lazaro Cardenas	21-35 days forward	250,000	350,000	US\$	Barrel
Jet DAP Rosarito (Pesos/liter)	AATFM00	AATFM03	DAP	Lazaro Cardenas	21-35 days forward	250,000	350,000	Mexico Pesos	Liter
Jet Itaquí (US origin) (\$/barrel)	AJAAB00	AJAAB03	DAP	Itaquí	15-30 days forward	250,000	350,000	US\$	Barrel
Jet Itaquí (US origin) (Real/cu m)	AJABB00	AJABB03	DAP	Itaquí	15-30 days forward	250,000	350,000	Real	Cubic meter
Jet Suape (US origin) (\$/barrel)	AJAAE00	AJAAE03	DAP	Suape	15-30 days forward	250,000	350,000	US\$	Barrel
Jet Suape (US origin) (Real/cu m)	AJABE00	AJABE03	DAP	Suape	15-30 days forward	250,000	350,000	Real	Cubic meter
Jet Aratu (US origin) (\$/barrel)	AJAAA00	AJAAA03	DAP	Aratu	15-30 days forward	250,000	350,000	US\$	Barrel

Jet fuel

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Jet Aratu (US origin) (Real/cu m)	AJABA00	AJABA03	DAP	Aratu	15-30 days forward	250,000	350,000	Real	Cubic meter
Jet Santos (US origin) (\$/barrel)	AJAAD00	AJAAD03	DAP	Santos	15-30 days forward	250,000	350,000	US\$	Barrel
Jet Santos (US origin) (Real/cu m)	AJABD00	AJABD03	DAP	Santos	15-30 days forward	250,000	350,000	Real	Cubic meter
Jet Paranagua (US origin) (\$/barrel)	AJAAC00	AJAAC03	DAP	Paranagua	15-30 days forward	250,000	350,000	US\$	Barrel
Jet Paranagua (US origin) (Real/cu m)	AJABC00	AJABC03	DAP	Paranagua	15-30 days forward	250,000	350,000	Real	Cubic meter
Jet Manaus Import Parity Price \$/bbl	BJMAA00	BJMAA03	-	Manaus	-	-	-	US\$	Barrel
Jet Manaus Import Parity Price BRL/CBM	BJMAB00	BJMAB03	-	Manaus	-	-	-	Real	Cubic meter
Jet IPP Itaquí (\$/b)	BJADB00	BJADB03	-	Itaquí	-	-	-	US\$	Barrel
Jet IPP Itaquí (Real/cu m)	BJAEB00	BJAEB03	-	Itaquí	-	-	-	Real	Cubic meter
Jet IPP Suape (\$/b)	BJADE00	BJADE03	-	Suape	-	-	-	US\$	Barrel
Jet IPP Suape (Real/cu m)	BJAEE00	BJAEE03	-	Suape	-	-	-	Real	Cubic meter
Jet IPP Aratu (\$/b)	BJADA00	BJADA03	-	Aratu	-	-	-	US\$	Barrel
Jet IPP Aratu (Real/cu m)	BJAEA00	BJAEA03	-	Aratu	-	-	-	Real	Cubic meter
Jet IPP Santos (\$/b)	BJADD00	BJADD03	-	Santos	-	-	-	US\$	Barrel
Jet IPP Santos (Real/cu m)	BJAED00	BJAED03	-	Santos	-	-	-	Real	Cubic meter
Jet IPP Paranagua (\$/b)	BJADC00	BJADC03	-	Paranagua	-	-	-	US\$	Barrel
Jet IPP Paranagua (Real/cu m)	BJAEC00	BJAEC03	-	Paranagua	-	-	-	Real	Cubic meter
Jet Tramandai Import Parity Price \$/bbl	BJTRA00	BJTRA03	-	Tramandai	-	-	-	US\$	Barrel
Jet Tramandai Import Parity Price BRL/CBM	BJTRB00	BJTRB03	-	Tramandai	-	-	-	Real	Cubic meter
Jet Guamare Import Parity Price \$/bbl	BJGUA00	BJGUA03	-	Guamare	-	-	-	US\$	Barrel
Jet Guamare Import Parity Price BRL/CBM	BJGUB00	BJGUB03	-	Guamare	-	-	-	Real	Cubic meter
Jet Duque de Caxias Import Parity Price \$/bbl	BJDEA00	BJDEA03	-	Duque de Caxias	-	-	-	US\$	Barrel
Jet Duque de Caxias Import Parity Price BRL/CBM	BJDEB00	BJDEB03	-	Duque de Caxias	-	-	-	Real	Cubic meter
Jet Betim Import Parity Price \$/bbl	BJBTA00	BJBTA03	-	Betim	-	-	-	US\$	Barrel
Jet Betim Import Parity Price BRL/CBM	BJBTB00	BJBTB03	-	Betim	-	-	-	Real	Cubic meter
Jet Cubatao Import Parity Price \$/bbl	BJCUA00	BJCUA03	-	Cubatao	-	-	-	US\$	Barrel
Jet Cubatao Import Parity Price BRL/CBM	BJCUB00	BJCUB03	-	Cubatao	-	-	-	Real	Cubic meter
Jet Maua Import Parity Price \$/bbl	BJMUA00	BJMUA03	-	Maua	-	-	-	US\$	Barrel
Jet Maua Import Parity Price BRL/CBM	BJMUB00	BJMUB03	-	Maua	-	-	-	Real	Cubic meter
Jet Paulinia Import Parity Price \$/bbl	BJPLU00	BJPLU03	-	Paulinia	-	-	-	US\$	Barrel
Jet Paulinia Import Parity Price BRL/CBM	BJPLB00	BJPLB03	-	Paulinia	-	-	-	Real	Cubic meter
Jet Sao Jose dos Campos Import Parity Price \$/bbl	BJSJA00	BJSJA03	-	Sao Jose dos Campos	-	-	-	US\$	Barrel
Jet Sao Jose dos Campos Import Parity Price BRL/CBM	BJSJB00	BJSJB03	-	Sao Jose dos Campos	-	-	-	Real	Cubic meter
Jet Araucaria Import Parity Price \$/bbl	BJAUA00	BJAUA03	-	Araucaria	-	-	-	US\$	Barrel
Jet Araucaria Import Parity Price BRL/CBM	BJAUB00	BJAUB03	-	Araucaria	-	-	-	Real	Cubic meter
Jet Canoas Import Parity Price \$/bbl	BJCNA00	BJCNA03	-	Canoas	-	-	-	US\$	Barrel
Jet Canoas Import Parity Price BRL/CBM	BJCNB00	BJCNB03	-	Canoas	-	-	-	Real	Cubic meter
Jet Peru Import Parity Price \$/bbl	AJETA00	AJETA03	-	Callao	-	-	-	US\$	Barrel

Jet fuel

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
Jet Colombia Import Parity Price \$/bbl	ACOLC00	ACOLC04	-	Cartegena	-	-	-	US\$	Barrel

* The assessed date range may move further forward when pipeline scheduling is affected by long holiday weekends

Jet fuel

Platts US jet fuel assessments reflect standard commercial Jet A specifications, as defined by ASTM International in its D1655 standard, unless otherwise stated. ASTM updates the D1655 standard periodically and Platts reflects the latest issue.

US Gulf Coast**Pipeline assessments**

These reflect product moving on Colonial Pipeline with input at Pasadena, Texas. Shipments on Colonial Pipeline are scheduled according to cycles. There are typically six cycles per month, for a total of 72 cycles per year. For example, cycles 1, 2, 3, 4, 5, and 6 are for January, cycles 7, 8, 9, 10, 11, and 12 are for February, etc. Each scheduling cycle lasts an average of five days. Due to market conditions, prompt cycles may carry premiums or discounts versus further forward shipping cycles. The cycle schedule is dictated by Colonial Pipeline, and is subject to change during the course of the year. The cycles among products differ. For example, the gasoline 13th cycle and distillate 13th cycle will not necessarily be in alignment.

Platts publishes outright price assessments as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments.

Platts USGC jet kerosene pipeline assessments reflect Colonial Pipeline specifications.

Jet kerosene 54: These assessments reflect Colonial Pipeline's aviation kerosene grade 54 specifications.

Jet kerosene 55: This assessment reflects Colonial Pipeline's aviation kerosene grade 55 specifications.

Ultra low sulfur jet kerosene (ULSK): This assessment reflects Colonial Pipeline's aviation kerosene grade 51 specifications. ULSK is typically used as low sulfur blendstock to mix with diesel during fall and winter, but also year-round for peak power generation units and some East Coast bus transportation systems.

Platts also publishes USGC jet fuel strips for 7-21 days, 15-30 days and 21-35 days forward periods from the date of publication.

Jet Kero Dallas: These assessments reflect Colonial Pipeline's aviation kerosene grade 54 specifications for delivery in 5-15 days on an FOB Dallas basis.

Waterborne assessments

These reflect a minimum volume of 50,000 barrels and a maximum volume of 125,000 barrels, for loading 10 to 18 days forward from the date of publication. The barrels are expected to meet Colonial Pipeline's product specifications.

USGC waterborne assessments are basis Beaumont/Port Arthur, Lake Charles, and the greater Houston area, which includes Texas City, Deer Park, Pasadena and Houston. Other loading points, including Corpus Christi, New Orleans, Baton Rouge and Pascagoula, may be considered for assessments but this may be normalized back to the three main USGC loading areas.

This market is assessed on an FOB basis. The most open and representative bid will simply be for jet fuel at a generic USGC

loading point. Bids that request individual loading points may be viewed as restrictive and may be subject to normalization.

In a USGC waterborne transaction, the seller nominates the port and terminal in the USGC area and informs the buyer within five days of the first day of the three-day laycan. The buyer then nominates the vessel and the loading dates within the three-day laycan, pending terminal acceptance.

Platts uses the prompt cycle pipeline assessment as the basis to determine its waterborne assessment for jet fuel. Applicable premiums or discounts for waterborne product will be added or subtracted from the primary pipeline assessment. Platts publishes this price spread as an assessment.

Jet A USGC differential: This reflects A-grade jet fuel specifications for loading and quality on a FOB basis in Houston, 7-21 days forward from the day of publication. The differential is to the forward value of Platts USGC pipeline assessments for jet fuel.

Jet A-1 USGC differential: This reflects A-1 jet fuel specifications for loading and quality on a FOB basis in Houston, 7-21 days forward from the day of publication. The differential is to the forward value of Platts USGC pipeline assessments for jet fuel.

US Atlantic Coast

Platts assesses barrels coming off Colonial Pipeline's Line 3 running from Greensboro, North Carolina to Linden, New Jersey; barrels loading into the Buckeye Pipeline at Linden, New Jersey; and barges in New York Harbor.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for

key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments. Rollover dates on the US Atlantic Coast are the last trading day of the month.

Platts USAC jet kerosene pipeline assessments reflect Colonial Pipeline specifications, except when noted:

Jet kerosene: These assessments reflect Colonial Pipeline's aviation kerosene grade 54 specifications.

Low sulfur kerosene: These assessments reflect Colonial Pipeline's aviation kerosene grade 55 specifications.

Ultra low sulfur kerosene (ULSK): These assessments reflect Colonial Pipeline's aviation kerosene grade 51 specifications.

Buckeye Pipeline assessments

These reflect jet fuel loading four to eight days forward from the date of publication on Monday and Tuesday, and six to 10 days forward Wednesday to Friday. The assessed date range may move further forward when pipeline scheduling is affected by holidays. Platts will announce these changes prior to implementation. Buckeye Pipeline assessments reflect a minimum volume of 25,000 barrels and a maximum volume of 75,000 barrels.

For bids and offers on the Buckeye Pipeline submitted during the Platts Market on Close assessment process, the seller must be willing to deliver on a batch provided by the buyer during the three-day laycan. For positions on a barge/Buckeye basis, the market maker must be willing to deliver either a barge or pipeline barrel at the counterparty's choice.

The assessments reflect Buckeye Pipeline's specifications.

Jet kerosene: These assessments reflect Buckeye Pipeline's aviation kerosene grade 182 specifications.

Colonial Pipeline Linden assessment

Platts Colonial Pipeline Linden assessments are basis Linden and reflect Colonial Pipeline's aviation kerosene grade 54 specifications at the delivery point, which can be anywhere along Line 3.

Shipments on Colonial Pipeline are scheduled according to cycles. There are typically six cycles per month, for a total of 72 cycles per year. Platts assesses the first full Colonial cycle prior to arrival at the start of Line 3 in Greensboro, North Carolina. For example, if Cycle 1 aviation kerosene grade 54 is to start pumping at Greensboro on Jan. 23, Platts would assess C1 until Jan. 22 and then roll to C2 on Jan. 23. If the Colonial Pipeline schedule were to change, Platts would adjust the cycle roll date in line with the schedule.

Barge assessments

Platts USAC jet fuel barge assessments reflect Colonial Pipeline specifications, with product for loading three to seven days forward from the date of publication. The jet kero barge assessment reflects a minimum volume of 25,000 barrels and a maximum volume of 100,000 barrels, while the low sulfur jet kero and ultra low sulfur jet kero barge assessments reflect volumes of 25,000-75,000 barrels. For barge assessments with a volume range of 25,000-75,000 barrels, values in the 25,000-50,000 barrel range will take priority in the assessment.

Platts USAC barge assessments reflect market activity where the seller nominates a loading terminal three days ahead of the first day of a three-day laycan, including at least two full business days. Additionally, the buyer must nominate to the seller a barge and loading date two days prior to intended day of loading within the stipulated three-day laycan. This period should include at least one full business day. The nomination should be submitted prior to 10:30 am ET. The seller should give notice of clearance, pending terminal acceptance of the barge nomination within six hours of receipt of buyer's nomination.

Florida waterborne assessments

These reflect the value of cargoes with a minimum size of 125,000 barrels of jet fuel delivered 3-15 days forward from the date of the assessment on a DDP (inside duty) basis in Port Everglades and Tampa, Florida. Cargoes delivered in other Florida ports, or using other shipping incoterms, may be normalized for consideration in these assessments. Platts publishes the assessments daily in US cents per gallon, and their respective monthly averages. Platts also publishes the differential to Gulf Coast prompt product.

Chicago

Pipeline assessments

These reflect product delivered in Chicago via pipeline, for a minimum volume of 10,000 barrels. Since July 2, 2018, the Chicago pipeline assessments have reflected the lowest value between the Badger, West Shore and Wolverine pipelines. Bids, offers or trades for locations other than Badger, West Shore and Wolverine may be included in the assessment process but will be normalized back to the same basis. This includes jet fuel at Des Plaines and East Chicago.

For Chicago pipeline assessments, Platts has established cycle changes every 10 days, on the 5th, 15th and 25th of the month. The assessments reflect product moving on the prompt cycle.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments. In Chicago, rollover dates will align with Explorer Pipeline's cycle schedule.

Ultra low sulfur jet kerosene: Also known as No.1 diesel. Sulfur of maximum 0.0015%; gravity of 37-51 API. This assessment is published from approximately Oct. 1 to April 1, depending on seasonal refinery production changes.

Group 3

Assessments reflect product moving on the ONEOK Pipeline system on an FOB Tulsa, Oklahoma, basis. Assessments reflect market activity on the next business day from the date of publication, for trades with a minimum volume of 5,000 barrels.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments. Rollover dates in Group 3 are the last trading day of the month.

Platts Group 3 jet fuel assessments reflect ONEOK Pipeline specifications.

Jet kerosene: This assessment reflects ONEOK Pipeline's specifications for Q grade commercial jet fuel.

Ultra low sulfur jet kerosene: This assessment reflects ONEOK Pipeline's specifications for Y Grade No. 1 diesel. This assessment is published from approximately Oct. 1 through April 1, depending on seasonal refinery production changes.

Jet Kero Denver: These assessments reflect market activity on the next business day from the date of publication on an FOB Denver basis for trades with a minimum volume of 5,000 barrels.

US West Coast

Pipeline assessments

These reflect product moving on the Kinder Morgan Energy Partners Pipeline system in California; and on the Olympic Pipeline system in the Pacific Northwest. The assessments reflect a minimum volume of 25,000 barrels in Los Angeles; and a minimum-maximum volume range of 10,000-25,000 barrels in San Francisco and Seattle.

Los Angeles and San Francisco pipeline assessments

Platts assessments in California reflect Kinder Morgan's Pacific pipeline operations specifications for turbine fuel.

Shipments on the Kinder Morgan pipeline are scheduled according to cycles. There are typically four cycles every month for a total of 48 cycles per year. For example, cycles 1, 2, 3 and 4 are for January, cycles 5, 6, 7 and 8 are for February, etc. Each cycle lasts approximately 7.5 days, but changes in the schedule may occur. Platts assesses an "any-barrel," which can be scheduled for any cycle during the current month. Platts assessments roll from the current to the next forward month eight days prior to the end of the month. For example, Platts assesses September barrels vs. NYMEX October ULSD futures on Sept. 22, 2021, but rolls to October barrels vs. the November contract on Sept. 23.

Seattle pipeline assessment

The Seattle jet fuel assessment reflects Olympic Pipeline specifications for aviation turbine fuel J 94. It reflects prompt market activity, one to four days forward from the date of publication.

Shipments on the Olympic Pipeline system are also scheduled according to cycles. There are typically five cycles every month with the exception of February, which has four, for a total of 59 cycles per year. Each cycle lasts approximately six to seven days, but changes in the schedule may occur.

Waterborne assessment

The USWC waterborne assessment, basis CIF Los Angeles, reflects a minimum volume of 50,000 barrels of jet fuel, for delivery 14-21 days forward from the date of publication.

Latin America

Mexico jet fuel: Platts assesses delivered jet fuel prices into eastern and western Mexico. In eastern Mexico, Platts assesses jet fuel meeting the country's specifications on a DAP Tuxpan basis, for delivery seven to 21 days forward from the date of

publication. In western Mexico, Platts assesses product meeting the country's specifications on a DAP Lazaro Cardenas and DAP Rosarito basis, for delivery 21-35 days forward. All assessments reflect 250,000-350,000 barrel shipments, and are published in US dollar per barrel and the equivalent Mexico Pesos per liter value.

Delivered Brazil jet fuel (US origin): Platts assesses jet fuel meeting Brazil's specifications, in 250,000-350,000 barrel cargoes on a DAP basis to Itaquí, Suape, Aratu, Santos and Paranaguá for delivery 15-30 days forward from the day of publication, with single port discharge. These assessments are calculated as a net-forward from the US Gulf Coast, based on benchmark Colonial Pipeline market prices, a quality premium to reflect Brazilian specifications and relevant freight costs to five different Brazilian ports. The assessments are published in \$/barrel and in Brazilian Real/cubic meter.

Brazil jet fuel IPP: Platts also publishes import parity prices for jet fuel meeting Brazil's specifications at the following locations: Manaus, Itaquí, Suape, Aratu, Santos, Paranaguá, Tramandai, Guamare, Duque de Caxias, Betim, Cubatao, Maua, Paulínia, São José dos Campos, Araucaria, Canoas. The price represents the cost of jet fuel imported on the day of publication at each specified port. It includes the product value, freight, demurrage, insurance, losses, marine taxes, storage, trucking, multi-port discharge optionality and quality differences, where applicable. The prices are published in \$/barrel and in Brazilian Real/cubic meter.

Colombia jet fuel IPP: Platts publishes an import parity price for jet fuel meeting Colombia's specifications at Cartagena. The price represents the cost of jet fuel imported on the day of publication. It includes the product value, freight, demurrage, insurance, losses, storage, and quality differences, where applicable. The price is published in \$/barrel.

Peru jet fuel IPP: Platts publishes an import parity price for jet fuel meeting A-1 quality, at Callao. The price represents the cost of jet fuel imported on the day of publication. It includes the product value, freight, demurrage, insurance, losses, storage, and quality differences, where applicable. The price is published in \$/barrel.

Renewable distillates: Details of Platts Sustainable Aviation Fuel (SAF) and Renewable Diesel (RD) coverage can be found in the Global Biofuels Specifications Guide, available at: <https://www.spglobal.com/content/dam/spglobal/ci/en/documents/platts/en/our-methodology/>

[methodology-specifications/biofuels/biofuels-specifications.pdf](#)

Heating oil

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
US Gulf Coast									
Gasoil No. 2 USGC prompt pipeline	POAED00	POAED03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoil No. 2 USGC prompt pipeline vs NYMEX ULSD	ADIAA00	ADIAA03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoil No. 2 USGC pipeline Cycle 01	AAELW00	AAFTB00	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
Gasoil No. 2 USGC waterborne	POAEE00	POAEE03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
USGC waterborne No. 2 gasoil spread	AUSGM00	AUSGM03	FOB	Houston	10-18 days	50,000	125,000	US Cents	Gallon
ULS Heating Oil USGC prompt pipeline	AAXFD00	AAXFD03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
ULS Heating Oil USGC prompt pipeline vs NYMEX ULSD	ADIAI00	ADIAI03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
ULS Heating Oil USGC pipeline Cycle 01	AAXFJ00	AAXFJ03	FOB	Houston	Prompt Cycle	25,000	-	US Cents	Gallon
ULS Heating Oil USGC pipeline Cycle 02	AAXFK00	AAXFK03	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
ULS Heating Oil USGC pipeline Cycle 03	AAXFL00	AAXFL03	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
ULS Heating Oil USGC pipeline Cycle 04	AAXFM00	AAXFM03	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
ULS Heating Oil USGC pipeline Cycle 05	AAXFN00	AAXFN03	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
ULS Heating Oil USGC pipeline Cycle 06	AAXFP00	AAXFP03	FOB	Houston	Forward Cycle	25,000	-	US Cents	Gallon
US Gulf Coast Light Cycle Oil	LC0EA00	LC0EA03	FOB	Houston	Prompt Cycle		45,000	US Cents	Gallon
Intraday Heating Oil USGC pipe	AAWZZ00	-	FOB	Houston	Prompt cycle	25,000	-	US Cents	Gallon
Intraday Heating Oil USGC pipe vs NYMEX ULSD	AAWZZ01	-	FOB	Houston	Prompt cycle	25,000	-	US Cents	Gallon
US Atlantic Coast									
ULS Heating Oil USAC Linden pipeline	AAXPU00	AAXPU03	FOB	NYH	First Full Cycle	25,000	-	US Cents	Gallon
ULS Heating Oil USAC Linden pipeline vs NYMEX ULSD	ADIAR00	ACIAR00	FOB	NYH	First Full Cycle	25,000	-	US Cents	Gallon
Gasoil No. 2 New York Harbor barge	POAEG00	POAEG03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Gasoil No. 2 New York Harbor barge vs NYMEX ULSD	ADIAO00	ADIAO03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
ULS Heating Oil barge FOB NYH	AAXPX00	AAXPX03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
ULS Heating Oil barge FOB NYH vs NYMEX ULSD	ADIAQ00	ADIAQ03	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Buckeye Pipeline ULSHO	BPLSH00	BPLSH03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Buckeye Pipeline ULSHO vs NYMEX ULSD	BPLUS00	BPLUS03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	US Cents	Gallon
Intraday Heating Oil NYH barge	AAWZY00	-	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Intraday Heating Oil NYH barge vs NYMEX ULSD	AAWZY01	-	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon
Intraday Heating Oil NYH barge vs NYMEX ULSD	AAWZY01	-	FOB	NYH	3-7 days	25,000	100,000	US Cents	Gallon

* The assessed date range may move further forward when pipeline scheduling is affected by long holiday weekends

Heating oil

US Gulf Coast

Pipeline assessments

These reflect product moving on Colonial Pipeline with input at Pasadena, Texas. Shipments on Colonial Pipeline are scheduled according to cycles. There are typically six cycles per month, for a total of 72 cycles per year. For example, cycles 1, 2, 3, 4, 5, and 6 are for January, cycles 7, 8, 9, 10, 11, and 12 are for February, etc. Each scheduling cycle lasts an average of five days. Due to market conditions, prompt cycles may carry premiums or discounts versus further forward shipping cycles. The cycle schedule is dictated by Colonial Pipeline, and is subject to change during the course of the year. The cycles among products differ. For example, the gasoline 13th cycle and distillate 13th cycle will not necessarily be in alignment.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments.

Platts USGC heating oil pipeline assessments reflect Colonial Pipeline specifications.

Gasoil No. 2 (Heating oil): These assessments reflect Colonial Pipeline's specifications for high sulfur undyed heating oil grade 77.

Ultra low sulfur heating oil (ULSHO): These assessments reflect Colonial Pipeline's specifications for 15 ppm sulfur heating oil grade 67.

Waterborne assessment

This reflects a minimum volume of 50,000 barrels and a maximum volume of 125,000 barrels, for loading 10 to 18 days forward from the date of publication. The barrels are expected to meet Colonial Pipeline's 77-grade heating oil specifications, but with a minimum cetane number of 42.

USGC waterborne assessments are basis Beaumont/Port Arthur, Lake Charles and the greater Houston area which includes Texas City, Deer Park, Pasadena and Houston. Other loading points, including Corpus Christi, New Orleans, Baton Rouge and Pascagoula, may be considered for assessments but this information may be normalized back to the three main USGC loading areas.

This market is assessed on an FOB basis. The most open and representative bid will simply be for heating oil at a generic USGC loading point. Bids that request individual loading points may be viewed as restrictive and may be subject to normalization.

In a USGC waterborne transaction, the seller nominates the port and terminal in the USGC area and informs the buyer within five days of the first day of the three-day laycan. The buyer then nominates the vessel and the loading dates within the three-day laycan, pending terminal acceptance.

Platts uses the prompt cycle pipeline assessment as the basis to determine its waterborne assessment for heating oil. Applicable premiums or discounts for waterborne product will be added or subtracted from the primary pipeline assessment. Platts publishes this price spread as an assessment.

Light Cycle Oil: This assessment reflects product moving by barge between refineries on the USGC, for 45,000 barrels with a maximum sulfur content of 2,000 ppm, an API gravity of 18-25 degrees, and aromatics content less than 1%. Platts understands LCO on the USGC typically trades as a differential to USGC prompt pipeline ULSD, minus the Renewable Volume Obligation. The assessment reflects bids, offers, and trades for LCO barges on an FOB Houston basis for delivery seven to 14 days forward, published as an outright value.

US Atlantic Coast

Platts assesses barrels coming off Colonial Pipeline's Line 3 running from Greensboro, North Carolina, to Linden, New Jersey; and barges in New York Harbor.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments. Rollover dates on the US Atlantic Coast are the last trading day of the month.

Colonial Pipeline Linden assessment

Platts Colonial Pipeline Linden assessments are basis Linden and reflect Colonial Pipeline's specifications for 15 ppm sulfur heating oil grade 67 at the point of delivery, which can be anywhere along Line 3.

Colonial Pipeline shipments are scheduled according to cycles. There are typically six cycles per month, for a total of 72 cycles per year. Platts assesses the first full Colonial cycle prior to the arrival at the start of Line 3 in Greensboro, North Carolina. For example, if Cycle 1 67 grade ULSHO is to start pumping at Greensboro on Jan. 23, Platts would assess C1 until Jan. 22 and then roll to C2 on Jan. 23. If the Colonial Pipeline schedule were to change, Platts would adjust the cycle roll date in line with the schedule.

Barge assessments

These reflect a minimum volume of 25,000 barrels and a maximum volume of 100,000 barrels, for loading three to seven days forward from the date of publication.

Platts USAC barge assessments reflect market activity where the seller nominates a loading terminal three days ahead of the first day of a three-day laycan, including at least two full business days. Additionally, the buyer must nominate to the seller a barge and loading date two days prior to intended day of loading within the stipulated three-day laycan. This period should include at least one full business day. The nomination should be submitted prior to 10:30 am ET. The seller should give notice of clearance, pending terminal acceptance of the barge nomination within six hours of receipt of buyer's nomination.

Gasoil No. 2: This assessment reflects Colonial Pipeline's specifications for high sulfur undyed heating oil grade 77 at the point of delivery, but with a minimum cetane number of 40.

Ultra low sulfur heating oil: This assessment reflects Colonial Pipeline's specifications for 15 ppm sulfur heating oil grade 67 at the point of delivery.

Buckeye Pipeline assessments

These reflect ULSHO loading four to eight days forward from the date of publication on Monday and Tuesday and six to 10 days forward Wednesday to Friday. The assessed date range may move further forward when pipeline scheduling is affected by long holiday weekends. Platts will announce these changes prior to implementation.

The Buckeye Pipeline assessment reflects a minimum volume of 25,000 barrels and a maximum volume of 75,000 barrels. The assessment reflects Buckeye Pipeline's specifications for 15 ppm ultra low sulfur heating oil. For bids and offers for the Buckeye Pipeline submitted during the Platts Market on Close assessment process, the seller must be willing to deliver on a batch provided by the buyer during the three-day laycan.

Diesel

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM
US Gulf Coast											
ULSD Dallas	DALLN00		DALLN03	FOB	Dallas	5-15 days	5,000	-	-	US Cents	Gallon
ULSD Dallas vs NYMEX ULSD	DALLP00		DALLP03	FOB	Dallas	5-15 days	5,000	-	-	US Cents	Gallon
ULSD Dallas vs ULSD USGC prompt pipeline	DALLQ00		DALLQ03	FOB	Dallas	5-15 days	5,000	-	-	US Cents	Gallon
ULSD Dallas (minus RVO)	DALLO00		DALLO03	FOB	Dallas	5-15 days	5,000	-	-	US Cents	Gallon
ULSD USGC prompt pipeline	AATGY00		AATGY03	FOB	Houston	Prompt Cycle	25,000	-	-	US Cents	Gallon
ULSD USGC prompt pipeline (minus RVO)	USGPP00		USGPP03	FOB	Houston	Prompt Cycle	25,000	-	-	US Cents	Gallon
ULSD USGC prompt pipeline vs NYMEX ULSD	ADIQA00		ADIQA03	FOB	Houston	Prompt Cycle	25,000	-	-	US Cents	Gallon
ULSD USGC pipeline Cycle 01	AAUV00		AAUV03	FOB	Houston	Prompt Cycle	25,000	-	-	US Cents	Gallon
ULSD USGC pipeline Cycle 02	AAUW00		AAUW03	FOB	Houston	Forward Cycle	25,000	-	-	US Cents	Gallon
ULSD USGC pipeline Cycle 03	AAUX00		AAUX03	FOB	Houston	Forward Cycle	25,000	-	-	US Cents	Gallon
ULSD USGC pipeline Cycle 04	AAUY00		AAUY03	FOB	Houston	Forward Cycle	25,000	-	-	US Cents	Gallon
ULSD USGC pipeline Cycle 05	AAUZ00		AAUZ03	FOB	Houston	Forward Cycle	25,000	-	-	US Cents	Gallon
ULSD USGC pipeline Cycle 06	AAUK00		AAUK03	FOB	Houston	Forward Cycle	25,000	-	-	US Cents	Gallon
ULSD 7-21 day strip	AUSGK00		AUSGK03	Forward strip	Houston	Forward Cycle	25,000	-	-	US Cents	Gallon
ULSD 15-30 day strip	AUSGI00		AUSGI03	Forward strip	Houston	Forward Cycle	25,000	-	-	US Cents	Gallon
ULSD 21-35 day strip	AUSGJ00		AUSGJ03	Forward strip	Houston	Forward Cycle	25,000	-	-	US Cents	Gallon
ULSD USGC waterborne	AATGZ00		AATGZ03	FOB	Houston	10-18 days	50,000	125,000	-	US Cents	Gallon
ULSD USGC Waterborne (minus RVO)	AGWBF00		AGWBF03	FOB	Houston	10-18 days	50,000	125,000	-	US Cents	Gallon
USGC waterborne ULSD spread	AUSGN00		AUSGN03	FOB	Houston	10-18 days	50,000	125,000	-	US Cents	Gallon
Mexico ULSD differential	AUSGH00		AUSGH03	FOB	Houston	7-21 days	-	-	-	US Cents	Gallon
Brazil ULSD differential	AUSGA00		AUSGA03	FOB	Houston	7-21 days	-	-	-	US Cents	Gallon
EN590 ULSD differential	AUSGB00		AUSGB03	FOB	Houston	7-21 days	-	-	-	US Cents	Gallon
Export ULSD	AAXRV00		AAXRV03	FOB	Houston	7-21 days	-	-	300,000	US Cents	Gallon
Export ULSD \$/mt	AAXRW00		AAXRW03	FOB	Houston	7-21 days	-	-	300,000	US\$	MT
Colonial line space Line 2 (distillates)	AAXTD00		AAXTD03	FOB/CIF	Colonial Pipeline	Prompt cycle	25,000	-	-	US Cents	Gallon
Colonial line space Line 2 and Line 3 (distillates)	AAXTG00		AAXTG03	FOB/CIF	Colonial Pipeline	Prompt cycle	25,000	-	-	US Cents	Gallon
Colonial line space Line 3 (distillates)	AAXTE00		AAXTE03	FOB/CIF	Colonial Pipeline	Prompt cycle	25,000	-	-	US Cents	Gallon
Intraday ULSD USGC pipe	AAXAW00		-	FOB	Houston	Prompt cycle	25,000	-	-	US Cents	Gallon
Intraday ULSD USGC pipe vs NYMEX ULSD	AAXAW01		-	FOB	Houston	Prompt cycle	25,000	-	-	US Cents	Gallon
US Atlantic Coast											
ULSD New Jersey Buckeye Pipeline	AATHF00		AATHF03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	-	US Cents	Gallon
ULSD New Jersey Buckeye Pipeline (minus RVO)	UNJBP00		UNJBP03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	-	US Cents	Gallon

Diesel

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM
ULSD New Jersey Buckeye Pipeline vs NYMEX ULSD	ADIYA00		ADIYA03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	-	US Cents	Gallon
ULSD USAC Linden Pipeline prompt cycle	AAXPW00		AAXPW03	FOB	NYH	First Full Cycle	25,000	-	-	US Cents	Gallon
ULSD USAC Linden Pipeline prompt cycle (minus RVO)	UUCLP00		UUCLP03	FOB	NYH	First Full Cycle	25,000	-	-	US Cents	Gallon
ULSD USAC Linden Pipeline prompt cycle vs NYMEX ULSD	ADLAA00		ADLAA03	FOB	NYH	First Full Cycle	25,000	-	-	US Cents	Gallon
ULSD New York Harbor barge	AATGX00		AATGX03	FOB	NYH	3-7 days	25,000	100,000	-	US Cents	Gallon
ULSD New York Harbor barge (minus RVO)	UNYHB00		UNYHB03	FOB	NYH	3-7 days	25,000	100,000	-	US Cents	Gallon
ULSD New York Harbor barge vs NYMEX ULSD	ADIZA00		ADIZA03	FOB	NYH	3-7 days	25,000	100,000	-	US Cents	Gallon
Dead Prompt ULSD NYH Barge Outright	ADDPM00		ADDPM03	FOB	NYH	1-3 days	25,000	100,000	-	US Cents	Gallon
Dead Prompt ULSD NYH Barge Outright (minus RVO)	DPUNY00		DPUNY03	FOB	NYH	1-3 days	25,000	100,000	-	US Cents	Gallon
Dead Prompt ULSD NYH Barge Differential to NYMEX ULSD	ADDPN00		ADDPN03	FOB	NYH	1-3 days	25,000	100,000	-	US Cents	Gallon
ULSD Laurel Pipeline Outright	ADDPA00		ADDPA03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	-	US Cents	Gallon
ULSD Laurel Pipeline Outright (minus RVO)	ULPOR00		ULPOR03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	-	US Cents	Gallon
ULSD Laurel Pipeline Differential to NYMEX ULSD	ADDPB00		ADDPB03	FOB	NYH	*4-8 days M-T, 6-10 days W-F	25,000	75,000	-	US Cents	Gallon
Intraday ULSD NYH barge	AAWU00		-	FOB	NYH	3-7 days	25,000	100,000	-	US Cents	Gallon
Intraday ULSD NYH barge vs NYMEX ULSD	AAWU01		-	FOB	NYH	3-7 days	25,000	100,000	-	US Cents	Gallon

Florida

ULSD Port Everglades waterborne	APPOE00		APPOE03	DDP	Port Everglades	3-15 days forward	125,000	-	-	US Cents	Gallon
ULSD Port Everglades waterborne (minus RVO)	UDPEW00		UDPEW03	DDP	Port Everglades	3-15 days forward	125,000	-	-	US Cents	Gallon
ULSD Port Everglades vs NYMEX ULSD	APPOF00		APPNZ00	DDP	Port Everglades	3-15 days forward	125,000	-	-	US Cents	Gallon
ULSD Port Everglades vs USGC prompt	APPOG00		APPOG03	DDP	Port Everglades	3-15 days forward	125,000	-	-	US Cents	Gallon
ULSD Port Tampa waterborne	APPOH00		APPOH03	DDP	Tampa	3-15 days forward	125,000	-	-	US Cents	Gallon
ULSD Port Tampa waterborne (minus RVO)	UDTWO00		UDTWO03	DDP	Tampa	3-15 days forward	125,000	-	-	US Cents	Gallon
ULSD Port Tampa vs NYMEX ULSD	APPOI00		APPOD00	DDP	Tampa	3-15 days forward	125,000	-	-	US Cents	Gallon
ULSD Port Tampa vs USGC prompt	APPOJ00		APPOJ03	DDP	Tampa	3-15 days forward	125,000	-	-	US Cents	Gallon

Midwest

ULSD Chicago pipeline	AATHA00		AATHA03	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago pipeline (minus RVO)	UF CPR00		UF CPR03	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago pipeline vs NYMEX ULSD	ADLAI00		ADLAI03	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago Wolverine Pipeline	AGCWC00		AGCWC03	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago Wolverine Pipeline (minus RVO)	UCWPR00		UCWPR03	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago Wolverine Pipeline vs NYMEX ULSD	AGCWD00		AGCWD03	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago West Shore/Badger Pipeline	ULSDF00		ULSDF03	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago West Shore/Badger Pipeline vs NYMEX ULSD	ULSDG00		ULSDG03	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon

Diesel

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM
ULSD Chicago BCX	ACBAE00		ACBAE03	In-tank	Chicago BCX	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago BCX (minus RVO)	UCBCX00		UCBCX03	In-tank	Chicago BCX	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago BCX vs NYMEX ULSD	ACBAF00		ACBAF03	In-tank	Chicago BCX	Prompt cycle	10,000	-	-	US Cents	Gallon
ULSD Chicago Index Percentage	ULSDA00		ULSDA03	FOB	Chicago	Previous Cycle	-	-	-	US Cents	Gallon
ULSD Chicago Index Percentage vs NYMEX ULSD	ULSDB00		ULSDB03	FOB	Chicago	Previous Cycle	-	-	-	US Cents	Gallon
ULSD Group 3 pipeline	AATHB00		AATHB03	FOB	Tulsa, OK	Next business day	10,000	-	-	US Cents	Gallon
ULSD Group 3 pipeline (minus RVO)	UGPPR00		UGPPR03	FOB	Tulsa, OK	Next business day	10,000	-	-	US Cents	Gallon
ULSD Group 3 pipeline vs NYMEX ULSD	ADLAB00		ADLAB03	FOB	Tulsa, OK	Next business day	10,000	-	-	US Cents	Gallon
ULSD Denver	DENVN00		DENVN03	FOB	Denver	Next business day	5,000	-	-	US Cents	Gallon
ULSD Denver vs NYMEX ULSD	DENVP00		DENVP03	FOB	Denver	Next business day	5,000	-	-	US Cents	Gallon
ULSD Denver vs ULSD Group 3 pipeline	DENVQ00		DENVQ03	FOB	Denver	Next business day	5,000	-	-	US Cents	Gallon
ULSD Denver (minus RVO)	DENVO00		DENVO03	FOB	Denver	Next business day	5,000	-	-	US Cents	Gallon
Intraday ULSD Chicago	AAVTC00		-	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon
Intraday ULSD Chicago vs NYMEX ULSD	AAVTC01		-	FOB	Chicago	Prompt cycle	10,000	-	-	US Cents	Gallon
Intraday ULSD Group 3	AAVTE00		-	FOB	Tulsa, OK	Next business day	10,000	-	-	US Cents	Gallon
Intraday ULSD Group 3 vs NYMEX ULSD	AAVTE01		-	FOB	Tulsa, OK	Next business day	10,000	-	-	US Cents	Gallon
US West Coast											
ULSD (EPA) Los Angeles pipeline	POAET00		POAET03	FOB	Los Angeles	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD (EPA) Los Angeles pipeline (minus RVO)	UELAP00		UELAP03	FOB	Los Angeles	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD (EPA) Los Angeles pipeline vs NYMEX ULSD	AANVZ00		AANVZ03	FOB	Los Angeles	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD No2 CARB Diesel Los Angeles pipeline	POAAK00		POAAK03	FOB	Los Angeles	Any pipeline cycle	25,000	25,000	-	US Cents	Gallon
ULSD No2 CARB Diesel Los Angeles pipeline (minus RVO)	UCDLA00		UCDLA03	FOB	Los Angeles	Any pipeline cycle	25,000	25,000	-	US Cents	Gallon
ULSD No2 CARB Diesel Los Angeles pipeline vs NYMEX ULSD	AANWA00		AANWA03	FOB	Los Angeles	Any pipeline cycle	25,000	25,000	-	US Cents	Gallon
ULSD (EPA) San Francisco pipeline	POAEY00		POAEY03	FOB	San Francisco	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD (EPA) San Francisco pipeline (minus RVO)	UESFP00		UESFP03	FOB	San Francisco	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD (EPA) San Francisco pipeline vs NYMEX ULSD	ADLAE00		ADLAE03	FOB	San Francisco	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD No2 CARB Diesel San Francisco pipeline	POAAL00		POAAL03	FOB	San Francisco	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD No2 CARB Diesel San Francisco pipeline (minus RVO)	UCDSF00		UCDSF03	FOB	San Francisco	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD No2 CARB Diesel San Francisco pipeline vs NYMEX ULSD	ADLAF00		ADLAF03	FOB	San Francisco	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD (EPA) Portland pipeline	AAUEY00		AAUEY03	FOB	Portland	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD (EPA) Portland pipeline (minus RVO)	UEPAP00		UEPAP03	FOB	Portland	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD (EPA) Portland pipeline vs NYMEX ULSD	ADLAG00		ADLAG03	FOB	Portland	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD (EPA) Seattle pipeline	AAUEX00		AAUEX03	FOB	Seattle	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
ULSD (EPA) Seattle pipeline (minus RVO)	UEPSW00		UEPSW03	FOB	Seattle	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon

Diesel

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM
ULSD (EPA) Seattle pipeline vs NYMEX ULSD	ASULD00		ASULD03	FOB	Seattle	Any pipeline cycle	10,000	25,000	-	US Cents	Gallon
Intraday CARB Diesel Los Angeles	AAVSC00		-	FOB	Los Angeles	Any pipeline cycle	25,000	25,000	-	US Cents	Gallon
Intraday CARB Diesel Los Angeles vs NYMEX ULSD	AAVSCDF		-	FOB	Los Angeles	Any pipeline cycle	25,000	25,000	-	US Cents	Gallon
Latin America											
Argentina ULSD DAP La Plata	AAXWZ00		AAXWZ03	DAP	La Plata	15-30 days forward	250,000	300,000	-	US\$	Barrel
Ecuador ULSD DAP Esmeraldas	AAXWF00		AAXWF03	DAP	Esmeraldas	15-30 days forward	200,000	300,000	-	US\$	Barrel
Peru ULSD DAP Callao	AAXWY00		AAXWY03	DAP	Callao	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD DAP Eastern Mexico (\$/barrel)	AAXWE00		AAXWE03	DAP	Tuxpan	7-21 days forward	250,000	350,000	-	US\$	Barrel
ULSD DAP Eastern Mexico (Pesos/liter)	AATFI00		AATFI03	DAP	Tuxpan	7-21 days forward	250,000	350,000	-	Mexico Pesos	Liter
ULSD DAP Lazaro Cardenas (\$/barrel)	AATFE00		AATFE03	DAP	Rosarito	21-35 days forward	250,000	350,000	-	US\$	Barrel
ULSD DAP Lazaro Cardenas (Pesos/liter)	AATFO00		AATFO03	DAP	Rosarito	21-35 days forward	250,000	350,000	-	Mexico Pesos	Liter
ULSD DAP Rosarito (\$/barrel)	AATFB00		AATFB03	DAP	Lazaro Cardenas	21-35 days forward	250,000	350,000	-	US\$	Barrel
ULSD DAP Rosarito (Pesos/liter)	AATFL00		AATFL03	DAP	Lazaro Cardenas	21-35 days forward	250,000	350,000	-	Mexico Pesos	Liter
ULSD S10 DAP Belem (US origin) (\$/barrel)	BUBEA00	BUBEA04	BUBEA03	DAP	Belem	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Belem (US origin) (Real/cu m)	BUBEB00	BUBEB04	BUBEB03	DAP	Belem	15-30 days forward	250,000	350,000	-	Real	Cu m
ULSD S10 DAP Belem (US origin) (cts/gal)	ULBEC00	ULBEC04	ULBEC03	DAP	Belem	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Belem (US origin) vs NYMEX (cts/gal)	ULBED00	ULBED04	ULBED03	DAP	Belem	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Belem (\$/barrel)	ULBEG00	ULBEG04	ULBEG03	DAP	Belem	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Belem (Real/cu m)	ULBEH00	ULBEH04	ULBEH03	DAP	Belem	15-30 days forward	250,000	350,000	-	Real	Cubic meter
ULSD S10 DAP Belem (cts/gal)	ULBEF00	ULBEF04	ULBEF03	DAP	Belem	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Belem vs NYMEX (cts/gal)	ULBEE00	ULBEE04	ULBEE03	DAP	Belem	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Belem US vs all-origin (cts/gal)	ULBEI00	ULBEI04	ULBEI03	DAP	Belem	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Belem US vs all-origin (\$/b)	ULBEJ00	ULBEJ04	ULBEJ03	DAP	Belem	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Itaqui (US origin) (\$/barrel)	BUITA00	BUITA04	BUITA03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Itaqui (US origin) (Real/cu m)	BUITB00	BUITB04	BUITB03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	Real	Cu m
ULSD S10 DAP Itaqui (US origin) (cts/gal)	ULITC00	ULITC04	ULITC03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Itaqui (US origin) vs NYMEX (cts/gal)	ULITD00	ULITD04	ULITD03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Itaqui (\$/barrel)	ULITG00	ULITG04	ULITG03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Itaqui (Real/cu m)	ULITH00	ULITH04	ULITH03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	Real	Cubic meter
ULSD S10 DAP Itaqui (cts/gal)	ULITF00	ULITF04	ULITF03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Itaqui vs NYMEX (cts/gal)	ULITE00	ULITE04	ULITE03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Itaqui US vs all-origin (cts/gal)	ULITI00	ULITI04	ULITI03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Itaqui US vs all-origin (\$/barrel)	ULITJ00	ULITJ04	ULITJ03	DAP	Itaqui	15-30 days forward	250,000	350,000	-	US\$	Barrel

Diesel

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM
ULSD S10 DAP Suape (US origin) (\$/barrel)	BUSUA00	BUSUA04	BUSUA03	DAP	Suape	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Suape (US origin) (Real/cu m)	BUSUB00	BUSUB04	BUSUB03	DAP	Suape	15-30 days forward	250,000	350,000	-	Real	Cu m
ULSD S10 DAP Suape (US origin) (cts/gal)	ULSUC00	ULSUC04	ULSUC03	DAP	Suape	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Suape (US origin) vs NYMEX (cts/gal)	ULSUD00	ULSUD04	ULSUD03	DAP	Suape	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Suape (\$/barrel)	ULSUG00	ULSUG04	ULSUG03	DAP	Suape	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Suape (Real/cu m)	ULSUH00	ULSUH04	ULSUH03	DAP	Suape	15-30 days forward	250,000	350,000	-	Real	Cubic meter
ULSD S10 DAP Suape (cts/gal)	ULSUF00	ULSUF04	ULSUF03	DAP	Suape	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Suape vs NYMEX (cts/gal)	ULSUE00	ULSUE04	ULSUE03	DAP	Suape	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Suape US vs all-origin (cts/gal)	ULSUI00	ULSUI04	ULSUI03	DAP	Suape	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Suape US vs all-origin (\$/barrel)	ULSUJ00	ULSUJ04	ULSUJ03	DAP	Suape	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Aratu (US origin) (\$/barrel)	BUARA00	BUARA04	BUARA03	DAP	Aratu	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Aratu (US origin) (Real/cu m)	BUARB00	BUARB04	BUARB03	DAP	Aratu	15-30 days forward	250,000	350,000	-	Real	Cu m
ULSD S10 DAP Aratu (US origin) (cts/gal)	ULARC00	ULARC04	ULARC03	DAP	Aratu	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Aratu (US origin) vs NYMEX (cts/gal)	ULARD00	ULARD04	ULARD03	DAP	Aratu	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Aratu (\$/barrel)	ULARG00	ULARG04	ULARG03	DAP	Aratu	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Aratu (Real/cu m)	ULARH00	ULARH04	ULARH03	DAP	Aratu	15-30 days forward	250,000	350,000	-	Real	Cubic meter
ULSD S10 DAP Aratu (cts/gal)	ULARF00	ULARF04	ULARF03	DAP	Aratu	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Aratu vs NYMEX (cts/gal)	ULARE00	ULARE04	ULARE03	DAP	Aratu	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Aratu US vs all-origin (cts/gal)	ULARI00	ULARI04	ULARI03	DAP	Aratu	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Aratu US vs all-origin (\$/barrel)	ULARJ00	ULARJ04	ULARJ03	DAP	Aratu	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Santos (US origin) (\$/barrel)	BUSAA00	BUSAA04	BUSAA03	DAP	Santos	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Santos (US origin) (Real/cu m)	BUSAB00	BUSAB04	BUSAB03	DAP	Santos	15-30 days forward	250,000	350,000	-	Real	Cu m
ULSD S10 DAP Santos (US origin) (cts/gal)	ULSAC00	ULSAC04	ULSAC03	DAP	Santos	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Santos (US origin) vs NYMEX (cts/gal)	ULSAD00	ULSAD04	ULSAD03	DAP	Santos	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Santos (\$/barrel)	ULSAG00	ULSAG04	ULSAG03	DAP	Santos	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Santos (Real/cu m)	ULSAH00	ULSAH04	ULSAH03	DAP	Santos	15-30 days forward	250,000	350,000	-	Real	Cubic meter
ULSD S10 DAP Santos (cts/gal)	ULSAF00	ULSAF04	ULSAF03	DAP	Santos	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Santos vs NYMEX (cts/gal)	ULSAE00	ULSAE04	ULSAE03	DAP	Santos	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Santos US vs all-origin (cts/gal)	ULSAI00	ULSAI04	ULSAI03	DAP	Santos	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Santos US vs all-origin (\$/barrel)	ULSAJ00	ULSAJ04	ULSAJ03	DAP	Santos	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Paranagua (US origin) (\$/barrel)	BUPAA00	BUPAA04	BUPAA03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Paranagua (US origin) (Real/cu m)	BUPAB00	BUPAB04	BUPAB03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	Real	Cu m
ULSD S10 DAP Paranagua (US origin) (cts/gal)	ULPAC00	ULPAC04	ULPAC03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Paranagua (US origin) vs NYMEX (cts/gal)	ULPAD00	ULPAD04	ULPAD03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	US Cents	Gallon

Diesel

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM
ULSD S10 DAP Paranagua (\$/barrel)	ULPAG00	ULPAG04	ULPAG03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 DAP Paranagua (Real/cu m)	ULPAH00	ULPAH04	ULPAH03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	Real	Cubic meter
ULSD S10 DAP Paranagua (cts/gal)	ULPAF00	ULPAF04	ULPAF03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Paranagua vs NYMEX (cts/gal)	ULPAE00	ULPAE04	ULPAE03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Paranagua US vs all-origin (cts/gal)	ULPAI00	ULPAI04	ULPAI03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	US Cents	Gallon
ULSD S10 DAP Paranagua US vs all-origin (\$/barrel)	ULPAJ00	ULPAJ04	ULPAJ03	DAP	Paranagua	15-30 days forward	250,000	350,000	-	US\$	Barrel
ULSD S10 FCA Itaqui (Real/cu m)	ULFCA00	ULFCA04	ULFCA03	FCA	Itaqui	Up to 7 days forward	300 Cu m	2,000 Cu m	-	Real	Cu m
ULSD S10 FCA Itaqui (cts/gal)	ULFCB00	ULFCB04	ULFCB03	FCA	Itaqui	Up to 7 days forward	300 Cu m	2,000 Cu m	-	US Cents	Gallon
ULSD S10 FCA Suape (Real/cu m)	ULFCC00	ULFCC04	ULFCC03	FCA	Suape	Up to 7 days forward	300 Cu m	2,000 Cu m	-	Real	Cu m
ULSD S10 FCA Suape (cts/gal)	ULFCD00	ULFCD04	ULFCD03	FCA	Suape	Up to 7 days forward	300 Cu m	2,000 Cu m	-	US Cents	Gallon
ULSD S10 FCA Santos (Real/cu m)	ULFCE00	ULFCE04	ULFCE03	FCA	Santos	Up to 7 days forward	300 Cu m	2,000 Cu m	-	Real	Cu m
ULSD S10 FCA Santos (cts/gal)	ULFCF00	ULFCF04	ULFCF03	FCA	Santos	Up to 7 days forward	300 Cu m	2,000 Cu m	-	US Cents	Gallon
ULSD S10 FCA Paranagua (Real/cu m)	ULFCG00	ULFCG04	ULFCG03	FCA	Paranagua	Up to 7 days forward	300 Cu m	2,000 Cu m	-	Real	Cu m
ULSD S10 FCA Paranagua (cts/gal)	ULFCH00	ULFCH04	ULFCH03	FCA	Paranagua	Up to 7 days forward	300 Cu m	2,000 Cu m	-	US Cents	Gallon
ULSD S10 FCA Paulinia (Real/cu m)	ULFCI00	ULFCI04	ULFCI03	FCA	Paulinia	Up to 7 days forward	120 Cu m	2,000 Cu m	-	Real	Cu m
ULSD S10 FCA Paulinia (cts/gal)	ULFCJ00	ULFCJ04	ULFCJ03	FCA	Paulinia	Up to 7 days forward	120 Cu m	2,000 Cu m	-	US Cents	Gallon
ULSD S10 FCA Araucaria (Real/cu m)	ULFCK00	ULFCK04	ULFCK03	FCA	Araucaria	Up to 7 days forward	120 Cu m	2,000 Cu m	-	Real	Cu m
ULSD S10 FCA Araucaria (cts/gal)	ULFCL00	ULFCL04	ULFCL03	FCA	Araucaria	Up to 7 days forward	120 Cu m	2,000 Cu m	-	US Cents	Gallon
ULSD Manaus Import Parity Price \$/bbl	BUMAA00	BUMAA04	BUMAA03	-	Manaus	-	-	-	-	US\$	Barrel
ULSD Manaus Import Parity Price BRL/CBM	BUMAB00	BUMAB04	BUMAB03	-	Manaus	-	-	-	-	Real	Cu m
ULSD IPP Itaqui (\$/barrel)	BUITD00	BUITD04	BUITD03	-	Itaqui	-	-	-	-	US\$	Barrel
ULSD IPP Itaqui (Real/c um)	BUITE00	BUITE04	BUITE03	-	Itaqui	-	-	-	-	Real	Cu m
ULSD IPP Suape (\$/barrel)	BUSUD00	BUSUD04	BUSUD03	-	Suape	-	-	-	-	US\$	Barrel
ULSD IPP Suape (Real/c um)	BUSUE00	BUSUE04	BUSUE03	-	Suape	-	-	-	-	Real	Cu m
ULSD IPP Aratu (\$/barrel)	BUARD00	BUARD04	BUARD03	-	Aratu	-	-	-	-	US\$	Barrel
ULSD IPP Aratu (Real/c um)	BUARE00	BUARE04	BUARE03	-	Aratu	-	-	-	-	Real	Cu m
ULSD IPP Santos (\$/barrel)	BUSAD00	BUSAD04	BUSAD03	-	Santos	-	-	-	-	US\$	Barrel
ULSD IPP Santos (Real/c um)	BUSAE00	BUSAE04	BUSAE03	-	Santos	-	-	-	-	Real	Cu m
ULSD IPP Paranagua (\$/barrel)	BUPAD00	BUPAD04	BUPAD03	-	Paranagua	-	-	-	-	US\$	Barrel
ULSD IPP Paranagua (Real/c um)	BUPAE00	BUPAE04	BUPAE03	-	Paranagua	-	-	-	-	Real	Cu m
ULSD Tramandai Import Parity Price \$/bbl	BUTRA00	BUTRA04	BUTRA03	-	Tramandai	-	-	-	-	US\$	Barrel
ULSD Tramandai Import Parity Price BRL/CBM	BUTRB00	BUTRB04	BUTRB03	-	Tramandai	-	-	-	-	Real	Cu m
ULSD Guamare Import Parity Price \$/bbl	BUGUA00	BUGUA04	BUGUA03	-	Guamare	-	-	-	-	US\$	Barrel
ULSD Guamare Import Parity Price BRL/CBM	BUGUB00	BUGUB04	BUGUB03	-	Guamare	-	-	-	-	Real	Cu m

Diesel

Assessment	Code	Weekly Average	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Typical size	Currency	UOM
ULSD Duque de Caxias Import Parity Price \$/bbl	BUDEA00	BUDEA04	BUDEA03	-	Duque de Caxias	-	-	-	-	US\$	Barrel
ULSD Duque de Caxias Import Parity Price BRL/CBM	BUDEB00	BUDEB04	BUDEB03	-	Duque de Caxias	-	-	-	-	Real	Cu m
ULSD Betim Import Parity Price \$/bbl	BUBTA00	BUBTA04	BUBTA03	-	Betim	-	-	-	-	US\$	Barrel
ULSD Betim Import Parity Price BRL/CBM	BUBTB00	BUBTB04	BUBTB03	-	Betim	-	-	-	-	Real	Cu m
ULSD Cubatao Import Parity Price \$/bbl	BUCUA00	BUCUA04	BUCUA03	-	Cubatao	-	-	-	-	US\$	Barrel
ULSD Cubatao Import Parity Price BRL/CBM	BUCUB00	BUCUB04	BUCUB03	-	Cubatao	-	-	-	-	Real	Cu m
ULSD Maua Import Parity Price \$/bbl	BUMUA00	BUMUA04	BUMUA03	-	Maua	-	-	-	-	US\$	Barrel
ULSD Maua Import Parity Price BRL/CBM	BUMUB00	BUMUB04	BUMUB03	-	Maua	-	-	-	-	Real	Cu m
ULSD Paulinia Import Parity Price \$/bbl	BUPLU00	BUPLU04	BUPLU03	-	Paulinia	-	-	-	-	US\$	Barrel
ULSD Paulinia Import Parity Price BRL/CBM	BUPLB00	BUPLB04	BUPLB03	-	Paulinia	-	-	-	-	Real	Cu m
ULSD Sao Jose dos Campos Import Parity Price \$/bbl	BUSJA00	BUSJA04	BUSJA03	-	Sao Jose dos Campos	-	-	-	-	US\$	Barrel
ULSD Sao Jose dos Campos Import Parity Price BRL/CBM	BUSJB00	BUSJB04	BUSJB03	-	Sao Jose dos Campos	-	-	-	-	Real	Cu m
ULSD Araucaria Import Parity Price \$/bbl	BUAUA00	BUAUA04	BUAUA03	-	Araucaria	-	-	-	-	US\$	Barrel
ULSD Araucaria Import Parity Price BRL/CBM	BUAUB00	BUAUB04	BUAUB03	-	Araucaria	-	-	-	-	Real	Cu m
ULSD Canoas Import Parity Price \$/bbl	BUCNA00	BUCNA04	BUCNA03	-	Canoas	-	-	-	-	US\$	Barrel
ULSD Canoas Import Parity Price BRL/CBM	BUCNB00	BUCNB04	BUCNB03	-	Canoas	-	-	-	-	Real	Cu m
Diesel Peru Import Parity Price \$/bbl	AULSA00	AULSA04	AULSA03	-	Callao	-	-	-	-	US\$	Barrel
Diesel Colombia Import Parity Price \$/bbl	ACOLA00	ACOLA04	ACOLA03	-	Cartagena	-	-	-	-	US\$	Barrel

* The assessed date range may move further forward when pipeline scheduling is affected by long holiday weekends

Diesel

US Gulf Coast

Pipeline assessments

These reflect product moving on Colonial Pipeline with input at Pasadena, Texas. The assessments reflect Colonial Pipeline's specifications for 15 ppm sulfur diesel fuel grade 62.

Shipments on Colonial Pipeline are scheduled according to cycles. There are typically six cycles per month, for a total of 72 cycles per year. For example, cycles 1, 2, 3, 4, 5, and 6 are for January, cycles 7, 8, 9, 10, 11, and 12 are for February, etc. Each

scheduling cycle lasts an average of five days. Due to market conditions, prompt cycles may carry premiums or discounts versus further forward shipping cycles. The cycle schedule is dictated by Colonial Pipeline, and is subject to change during the course of the year. The cycles among products differ. For example, the gasoline 13th cycle and distillate 13th cycle will not necessarily be in alignment.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments.

Platts also publishes USGC ULSD strips for 7-21 days, 15-30 days and 21-35 days forward periods from the date of publication.

ULSD Dallas: These assessments reflect Colonial Pipeline's specifications for 15 ppm sulfur diesel fuel grade 62 for delivery in 5-15 days on an FOB Dallas basis.

Waterborne assessment

This reflects a minimum volume of 50,000 barrels and a maximum volume of 125,000 barrels, for loading 10 to 18 days forward from the date of publication. The barrels are expected to meet Colonial Pipeline's specifications for 15 ppm sulfur diesel fuel grade 62.

USGC waterborne assessments are basis Beaumont/Port Arthur, Lake Charles and the greater Houston area, which includes Texas City, Deer Park, Pasadena and Houston. Other loading points, including Corpus Christi, New Orleans, Baton Rouge and Pascagoula, may be considered for assessments but this information may be normalized back to the three main USGC loading areas.

This market is assessed on an FOB basis. The most open and representative bid will simply be for ULSD at a generic USGC loading point. Bids that request individual loading points may be viewed as restrictive and may be subject to normalization.

In a USGC waterborne transaction, the seller nominates the port and terminal in the USGC area and informs the buyer within five days of the first day of the three-day laycan. The buyer then nominates the vessel and the loading dates within the three-day laycan, pending terminal acceptance.

Platts uses the prompt cycle pipeline assessment as the basis to determine its waterborne assessment for ULSD. Applicable premiums or discounts for waterborne product will be added or subtracted from the primary pipeline assessment. Platts publishes this price spread as an assessment.

ULSD USGC Mexico Differential: This reflects Mexico's ULSD specification for loading and quality on a FOB basis in Houston, 7-21 days forward from the day of publication. The differential is to the forward value of Platts USGC pipeline assessments for ULSD.

ULSD USGC Brazil Differential: This reflects Brazil's S10 specification for loading and quality on a FOB basis in Houston, 7-21 days forward from the day of publication. The differential is to the forward value of Platts USGC pipeline assessments for ULSD.

ULSD USGC EN590 Differential: This reflects French Winter specifications of EN590 quality diesel for loading on an FOB

basis in Houston, 7-21 days forward from the day of publication. The differential is to the forward value of Platts USGC pipeline assessments for ULSD.

Export ULSD: This reflects French Winter specifications of EN590 quality diesel with a typical standard clip size of 300,000 barrels and a typical operational tolerance of plus/minus 10%. The Export ULSD assessment does not include the value of RINs. The assessment reflects cargoes loading seven to 21 days forward from the date of publication, subject to industry standard terminal and vessel nomination procedures. Export ULSD should be free of any biofuels. Loading locations include terminals along the US Gulf Coast from Corpus Christi, Texas, to Pascagoula, Mississippi, normalized to an FOB Houston basis. Export ULSD is assessed by calculating a forward Strip for pipeline diesel that aligns with the 7-21 day Export ULSD loading window, and adding or subtracting any applicable premium or discount. Export ULSD is published as an outright value in both US cents per gallon and US dollars per metric ton.

Colonial Line Space

Platts assesses the value of line space for distillates and gasoline on three major Colonial Pipeline segments between Pasadena, Texas, and Linden, New Jersey. They reflect the premium or discount paid during the exchange of product at two locations along Colonial's Line 1 and/or Line 3, as well as Line 2 and/or Line 3. The assessments are linked with cycle numbers on the Colonial Pipeline schedule. The assessments reflect the transfer of a minimum of 25,000 barrels of distillates or gasoline, and are not limited to any specific product. The buyer of the line space determines which product is shipped.

US Atlantic Coast

Platts assesses barrels coming off Colonial Pipeline's Line 3 running from Greensboro, North Carolina to Linden, New Jersey; barrels loading into the Buckeye Pipeline at Linden, New Jersey; and barges in New York Harbor.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments. Rollover dates on the US Atlantic Coast are the last trading day of the month.

Buckeye and Laurel Pipeline assessments

These reflect ULSD loading four to eight days forward from the date of publication on Monday and Tuesday, and six to 10 days forward Wednesday to Friday. The assessed date range may move further forward when pipeline scheduling is affected by long holiday weekends. Platts will announce these changes prior to implementation.

The Buckeye and Laurel pipeline assessments reflect a minimum volume of 25,000 barrels and a maximum volume of 75,000 barrels. The assessments reflect Buckeye Pipeline's specifications for ultra low sulfur diesel grade 190.

For bids and offers for the Buckeye and Laurel Pipeline submitted during the Platts Market on Close assessment process, the seller must be willing to deliver on a batch provided by the buyer during the three-day laycan. For positions on a barge/Buckeye basis, the market maker must be willing to deliver either a barge or pipeline barrel at the counterparty's choice.

Colonial Pipeline Linden assessment

Platts Colonial Pipeline Linden assessments are basis Linden and reflect Colonial Pipeline's specifications for 15 ppm sulfur diesel grade 62 at the delivery point, which can be anywhere along Line 3.

Shipments on Colonial Pipeline are scheduled according to cycles. There are typically six cycles per month, for a total of 72 cycles per year. Platts assesses the first full Colonial cycle prior to arrival at the start of Line 3 at Greensboro, North Carolina. For example, if Cycle 1 diesel is to start pumping at

Greensboro on Jan. 23, Platts would assess C1 until Jan. 22 and then roll to C2 on Jan. 23. If the Colonial Pipeline schedule were to change, Platts would adjust the cycle roll date in line with the schedule.

Barge assessment

This reflects Colonial Pipeline's specifications for 15 ppm sulfur diesel fuel grade 62. The assessment reflects shipments with a minimum volume of 25,000 barrels and a maximum volume of 100,000 barrels, for loading three to seven days forward from the date of publication.

Platts USAC barge assessments reflect market activity where the seller nominates a loading terminal three days ahead of the first day of a three-day laycan, including at least two full business days. Additionally, the buyer must nominate to the seller a barge and loading date two days prior to intended day of loading within the stipulated three-day laycan. This period should include at least one full business day. The nomination should be submitted prior to 10:30 am ET. The seller should give notice of clearance, pending terminal acceptance of the barge nomination within six hours of receipt of buyer's nomination.

Dead prompt barge assessments

These reflect loadings on an FOB New York Harbor basis one to three days forward from the date of publication and mirror the barge specifications, and volume.

Florida waterborne assessments

These reflect the value of cargoes with a minimum size of 125,000 barrels of ULSD delivered 3-15 days forward from the date of the assessment on a DDP (inside duty) basis in Port Everglades and Tampa, Florida. Cargoes delivered in other Florida ports, or using other shipping incoterms, may be normalized for consideration in these assessments. Platts publishes the assessments daily in US cents per gallon, and their respective monthly averages. Platts also publishes the differential to Gulf Coast prompt product.Chicago

US Midwest

Chicago Pipeline assessments

These reflect product delivered in Chicago via pipeline, for a minimum volume of 10,000 barrels. Since July 2, 2018, the Chicago pipeline assessments have reflected the lowest value between the Badger, West Shore and Wolverine pipelines. Bids, offers or trades for locations other than Badger, West Shore and Wolverine may be included in the assessment process but will be normalized back to the same basis. Platts has published a stand-alone assessment for Wolverine Pipeline since Feb. 1, 2020, but trade on Wolverine continues to be reflected in the Chicago pipeline assessments.

West Shore/Badger Pipeline assessment

This reflects product on the West Shore and Badger pipelines in the Chicago area, for a minimum volume of 10,000 barrels. Bids, offers, and trades for other pipelines or terminals may be normalized back to the West Shore/Badger basis for assessment purposes.

BCX assessments

These reflect product at the Buckeye Complex storage hub in the Chicago area, for a minimum volume of 10,000 barrels. Bids, offers and trades for other pipelines or terminals may be normalized back to the BCX basis for assessment purposes.

Chicago ULSD Index assessments

These reflect a combination of daily differential closes and traded volumes from the previous cycle for product delivered via the West Shore, Badger and Wolverine pipelines, as well as the Buckeye Complex storage hub.

The weighting for each assessment is determined on a cycle basis and is derived from trade indications provided by market participants. In cases where volumes are not specified, a default minimum volume of 10,000 barrels, consistent with Platts' requirements, is assumed.

For both Chicago pipeline and BCX assessments, Platts has established cycle changes every 10 days, on the 5th, 15th, and 25th of the month. The assessments reflect product moving on the prompt cycle.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments. In Chicago, rollover dates will align with Explorer Pipeline's cycle schedule.

Group 3

The Group 3 ULSD assessment reflects product moving on the ONEOK Pipeline system on an FOB Tulsa, Oklahoma, basis. It reflects ONEOK Pipeline's specifications for X-grade ultra low sulfur diesel.

The assessment reflects market activity on the next business day from the date of publication, for trades with a minimum volume of 10,000 barrels.

Platts publishes outright price assessments for all products, as well as differentials to the relevant futures contracts for key products. The differentials are published versus the same futures contract month that forms the basis of the outright price assessments. Rollover dates in Group 3 are the last trading day of the month.

ULSD Denver: These assessments reflect market activity on the next business day from the date of publication on an FOB Denver basis for trades with a minimum volume of 5,000 barrels.

US West Coast

Pipeline assessments

These reflect product moving on the Kinder Morgan Energy Partners Pipeline system in California; and on the Olympic

Pipeline system in the Pacific Northwest. The assessments reflect a minimum volume of 25,000 barrels for LA CARB Diesel and a minimum-maximum volume of 10,000-25,000 barrels for all other grades.

Los Angeles and San Francisco pipeline assessments

Shipments on the Kinder Morgan pipeline are scheduled according to cycles. There are typically four cycles every month for a total of 48 cycles per year. For example, cycles 1, 2, 3 and 4 are for January, cycles 5, 6, 7 and 8 are for February, etc. Each cycle lasts approximately 7.5 days, but changes in the schedule may occur. Platts assesses an “any-barrel,” which can be scheduled for any cycle during the current month.

Platts assessments in California reflect specifications for Kinder Morgan’s Pacific pipeline operations.

CARB Diesel: These assessments reflect the value of fuel for delivery on the Kinder Morgan Pipeline System, with an option to deliver into GATX storage in Los Angeles. The assessments reflect fuel that meets the standards of the California Air Resources Board. It also reflects Kinder Morgan’s Pacific pipeline specifications for CARB ultra low sulfur diesel fuel (may contain up to 5% renewable diesel content).

ULSD (EPA): These assessments reflect the value of fuel that meets EPA ultra low sulfur diesel specifications, but not the California Air Resources Board specifications. The assessment also reflects Kinder Morgan’s Pacific pipeline specifications for EPA ultra low sulfur diesel fuel (may contain up to 5% renewable diesel content).

Portland and Seattle pipeline assessments

These reflect the value of fuel that meets EPA ultra low sulfur diesel specifications, but not the California Air Resources Board specifications. These assessments also reflect Olympic Pipeline specifications for ultra low sulfur diesel fuel #2.

Shipments on the Olympic Pipeline system are also scheduled according to cycles. There are typically five cycles every month with the exception of February, which has four, for a total of 59 cycles per year. Each cycle lasts approximately six to seven days, but changes in the schedule may occur. Portland and Seattle product assessments reflect prompt market activity, one to four days forward from the date of publication.

Latin America

Argentina ULSD: Platts assesses ULSD meeting YPF’s specification on a DAP La Plata basis, for delivery 15-30 days forward in parcels of 250,000-350,000 barrels.

Ecuador ULSD: Platts assesses ULSD on a DAP Esmeraldas basis, meeting Petroecuador’s specifications, for delivery 15-30 days forward in parcels of 200,000-300,000 barrels.

Mexico ULSD: Platts assesses delivered ULSD prices into eastern and western Mexico. In eastern Mexico, Platts assesses ULSD meeting the country’s specifications, on a DAP Tuxpan basis, for delivery seven to 21 days forward from the date of publication. In western Mexico, Platts assesses product meeting the country’s specifications, on a DAP Lazaro Cardenas and DAP Rosarito basis, for delivery 21-35 days forward. All assessments reflect 250,000-350,000 barrel shipments, and are published in US dollars per barrel and the equivalent Mexico Pesos per liter value.

Peru ULSD: Platts assesses ULSD on a DAP Callao basis meeting Petroperu’s specifications, for delivery 15-30 days forward in 250,000-350,000 barrel shipments.

Delivered Brazil ULSD (US-origin): Platts assesses ULSD meeting Brazil’s specifications in 250,000-350,000 barrel cargoes on a DAP basis to Belem, Itaqui, Suape, Aratu, Santos and Paranagua for delivery 15-30 days forward from the day of assessment, with single port discharge. The assessments are published in \$/barrel, US cents/gal and in Brazilian Real/cubic meter. Platts also publishes a differential assessment in US

cents/ gallon representing the corresponding differential for ULSD DAP to those six ports originating on the US Gulf Coast versus NYMEX ULSD futures. The differential will correlate with the front-month NYMEX ULSD futures contract from the first business day through the 15th of each month. From the first business day after the 15th through the last business day of the month, the differential will correlate with the second-month NYMEX ULSD futures contract

Delivered Brazil ULSD (All-origin): Platts assesses ULSD from all origins, including Russia, meeting Brazil’s specifications in 250,000-350,000 barrel cargoes on a DAP basis to Belem, Itaqui, Suape, Aratu, Santos and Paranagua for delivery 15-30 days forward from the day of assessment, with single port discharge. The assessments are published in \$/barrel, US cents/gal and in Brazilian Real/cubic meter. Platts also publishes a differential assessment in US cents/ gallon representing the corresponding differential for ULSD DAP from all origins versus NYMEX ULSD futures. The differential will correlate with the front-month NYMEX ULSD futures contract from the first business day through the 15th of each month. From the first business day after the 15th through the last business day of the month, the differential will correlate with the second-month NYMEX ULSD futures contract.

Delivered Brazil ULSD (US-origin versus All-origin spread): Platts publishes spread assessments showing the difference in value between ULSD from all origins and delivered from the US Gulf Coast to Belem, Itaqui, Suape, Aratu, Santos and Paranagua. The spread assessments are published in \$/barrel and in US cents/gallon.

Brazil ULSD domestic market: Platts assesses ULSD meeting Brazil’s specifications (\$10 grade) already stored in tanks at the four main ports in terms of liquidity (Itaqui, Suape, Santos and Paranagua) and the two busiest inland terminals (Paulinia, Araucaria), for imports and domestic supply. These assessments of spot prices on an FCA basis reflect batches of 300-2,000 cubic meters at the four ports, and 120-2,000 cu m for the

countryside locations, for delivery up to seven days forward from time of publication. S10 diesel usually trades at these locations as a differential to domestic reference prices and Platts publishes the final outright price in both Brazilian Real per cubic meter and US cents per gallon.

Brazil ULSD IPP: Platts also publishes import parity prices for ULSD meeting Brazil's specifications at the following locations: Manaus, Itaquí, Suape, Aratu, Santos, Paranaguá, Tramandai, Guamare, Duque de Caxias, Betim, Cubatão, Mauá, Paulínia, São José dos Campos, Araucária, Canoas. The price represents the cost of ULSD imported on the day of publication at each specified port. It includes the product value, freight, demurrage, insurance,

losses, marine taxes, storage, trucking, multi-port discharge optionality and quality differences, where applicable. The prices are published in \$/barrel and in Brazilian Real/cubic meter.

Colombia diesel IPP: Platts publishes an import parity price for diesel meeting Colombia's specifications at Cartagena. The price represents the cost of diesel imported on the day of publication. It includes the product value, freight, demurrage, insurance, losses, storage, and quality differences, where applicable. The price is published in \$/barrel.

Peru diesel IPP: Platts publishes an import parity price for diesel meeting Peru's specifications, at Callao. The price

represents the cost of diesel imported on the day of publication. It includes the product value, freight, demurrage, insurance, losses, storage, and quality differences, where applicable. The price is published in \$/barrel.

Renewable distillates: Details of Platts Sustainable Aviation Fuel (SAF) and Renewable Diesel (RD) coverage can be found in the Global Biofuels Specifications Guide, available at: <https://www.spglobal.com/content/dam/spglobal/ci/en/documents/platts/en/our-methodology/methodology-specifications/biofuels/biofuels-specifications.pdf>

Fuel oil

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
US Gulf Coast									
FO No.6 1.0% S USGC waterborne	PUAAI00	PUAAI03	FOB	Houston	7-15 days forward	45,000	-	US\$	Barrel
FO No.6 1.0% S USGC waterborne vs USGC HSFO strip	AAUGT00	AAUGT03	FOB	Houston	7-15 days forward	45,000	-	US\$	Barrel
FO No.6 Slurry Oil USGC waterborne	PPAPW00	PPAPW03	FOB	Houston	7-15 days forward	25,000	-	US\$	Barrel
FO No.6 Slurry Oil USGC waterborne vs USGC HSFO strip	AAUGS00	AAUGS03	FOB	Houston	7-15 days forward	25,000	-	US\$	Barrel
FO RMG 380 USGC waterborne	PUBDM00	PUBFI03	FOB	Houston	7-15 days forward	45,000	-	US\$	Barrel
FO RMG 380 USGC waterborne vs USGC HSFO strip	AAUGV00	AAUGV03	FOB	Houston	7-15 days forward	45,000	-	US\$	Barrel
USGC HSFO	PUAFZ00	PUAFZ03	FOB	Houston	7-15 days forward	45,000	-	US\$	Barrel
USGC HSFO strip	AAUGW00	AAUGW03	FOB	Houston	7-15 days forward	45,000	-	US\$	Barrel
USGC HSFO vs USGC HSFO strip	AAUGU00	AAUGU03	FOB	Houston	7-15 days forward	45,000	-	US\$	Barrel
USGC Marine Fuel 0.5%	AUGMA00	AUGMA03	FOB	Houston	7-15 days forward	45,000	-	US\$	Barrel
USGC Marine Fuel 0.5%	AUGMB00	AUGMB03	FOB	Houston	7-15 days forward	7,000	-	US\$	MT
US Atlantic Coast									
FO No.6 1.0% New York Harbor delivered cargo	PUAA000	PUAA003	DAP	New York	7-20 days forward	50,000	-	US\$	Barrel
FO No.6 1.0% New York Harbor delivered cargo vs FO 1% NYH strip	AAUGD00	AAUGD03	DAP	New York	7-20 days forward	50,000	-	US\$	Barrel
FO No.6 1.0% New York Harbor strip	AAUGG00	AAUGG03		New York	7-20 days forward	25,000	-	US\$	Barrel
USAC HSFO New York Harbor delivered cargo	PUAAX00	PUAAX03	DAP	New York	7-20 days forward	50,000	-	US\$	Barrel
USAC HSFO delivered cargo vs FO 1% NYH strip	AAUGF00	AAUGF03	DAP	New York	7-20 days forward	50,000	-	US\$	Barrel
USAC Marine Fuel 0.5%	AUAMA00	AUAMA03	DAP	New York	7-20 days forward	50,000	-	US\$	Barrel
USAC Marine Fuel 0.5%	AUAMB00	AUAMB03	DAP	New York	7-20 days forward	7,000	-	US\$	MT
FO Barge Rate NYH - Baltimore	AASTW00	AASTW03	-	New York	7-20 days forward	50,000	-	US\$	Barrel
FO Barge Rate NYH - Boston	AASTV00	AASTV03	-	New York	7-20 days forward	50,000	-	US\$	Barrel
FO Barge Rate NYH - Philadelphia	AASTX00	AASTX03	-	New York	7-20 days forward	50,000	-	US\$	Barrel
Caribbean & Latin America									
FO 1.6% S FOB Colombia cargo	PPAR000	PPAR003	FOB	Cartagena/Covenas	7-21 days forward	200,000	-	US\$	Barrel
FO 2.2% S FOB Ecuador cargo	PPASL00	PPASL03	FOB	Esmeraldas	7-21 days forward	150,000	-	US\$	Barrel

Fuel oil

Platts has defined standard specifications reflected in its fuel oil assessments. Information about bids, offers and trades for material with other quality specifications will be normalized for assessment purposes to the Platts specifications basis.

For FOB US fuel oil barge transactions, the seller should nominate the terminal within the specified port to the buyer at least 72 hours prior to the first day of the laycan, and provide the Certificate of Analysis to the buyer at the latest on the calendar day prior to the first day of the laycan. The buyer should nominate the lifting date within the three-day laycan, as well as the performing vessel, at least one calendar day prior to the lifting date, subject to terminal acceptance.

For CIF US fuel oil transactions, the buyer should nominate the port with the specific terminal to the seller at least five calendar days prior to the first day of the delivery date range. The seller should nominate the delivery date and performing vessel at least three calendar days prior to the first day of the delivery date range.

All nominations for both FOB and CIF US fuel oil barge transactions should typically be communicated to counterparties by 5 pm CT/6 pm ET.

US Gulf Coast

Platts US Gulf Coast fuel oil assessments reflect fuel oil loading basis FOB Houston from the following terminals: Intercontinental Deer Park Terminal, ONEOK Galena Park Terminal, Bayport Container Terminal (LBC), Houston Fuel Oil Terminal (HOFTI) and Battleground Oil Specialty Terminal (BOSTCO). Bids, offers and trades published on any basis other than FOB Houston, including FOB New Orleans and FOB Galveston Bay, may be normalized for reflection in the USGC fuel oil assessments.

Below is a list of approved terminals for the USGC fuel oil MOC process:

FOB HOUSTON
ONEOK Galena Park
Bayport Container Terminal (LBC)
Houston Fuel Oil Terminal (HOFTI)
Battleground Oil Specialty Terminal (BOSTCO)
Kinder Morgan Galena Park (applies to USGC Marine Fuel 0.5% only)
FOB NEW ORLEANS*
Gretna
Marrero
St. Rose
FOB GALVESTON BAY*
NuStar Texas City
World Point Terminals Pelican Island
Texas International Terminal

*May be normalized to FOB Houston

These assessments reflect barges loading seven to 15 days forward from date of publication with a minimum volume of 45,000 barrels except for No.6 slurry oil, which has a minimum volume of 25,000 barrels. For the USGC Marine Fuel 0.5% market Platts publishes an assessment in \$/mt reflecting a minimum volume of 7,000 mt. Platts also publishes the equivalent \$/barrel value for Marine Fuel 0.5% which reflects barges with a minimum volume of 45,000 barrels, and is converted from the \$/mt assessment using the published conversion rate of 6.35 barrels per mt. Timing laycans are standardized as front window (seven to nine days forward), middle window (10-12 days forward), back window (13-15 days forward), and full window (seven to 15 days forward). In any full window bid or offer, the buyer must declare a three-day delivery window upon lifting during the MOC process.

The inability of a terminal to receive certain standard barge sizes may exclude certain trades from the assessment, even if a trade is done within the specified quantity range.

Product reflected in Platts assessments shall not contain petrochemical wastes, residues from acid-catalyzed refining process, spent chemicals, waste lubricants, tar bottoms or hazardous waste.

No. 6 1.0%: With effect from Dec. 3, 2018, Platts has been assessing the value of No.6 1% USGC fuel oil barges by applying a differential -- based on the front month "hi-lo" spread in the US fuel oil paper market -- to the value of high sulfur fuel oil barges on the Gulf Coast. The differential is the sum of the front month "hi-lo" paper spread between USGC HSFO and USAC 1% fuel oil plus a fixed premium of 88 cents/b, reflecting the historically higher relative value of 1% fuel oil in the physical Gulf Coast market. This change was made due to the diminishing use of 1% fuel oil for power generation, which was the primary end-use of this product on the Gulf Coast. The No.6 1% USGC fuel oil assessment has historically reflected utility-grade fuel oil in line with Florida Power & Light specifications for maximum 1% sulfur fuel oil for delivery to Manatee and Port Everglades, with the exception of gravity of minimum 6 API and Al+Si metals content of maximum 80 ppm.

No. 6 Slurry Oil: This assessment reflects fuel oil with sulfur of maximum 1%; gravity of minimum 1 API; viscosity of maximum 225 SSF; flash point of minimum 140 F; ash of maximum 0.15%; water and sediment of maximum 1%.

USGC HSFO: This assessment reflects RMG 380 fuel oil in line with the ISO 8217:2010 standard for petroleum products - Fuels (Class F) - Specifications of Marine Fuels, but with a maximum sulfur limit of 3.5%.

RMG 380: This assessment reflects RMG 380 fuel oil in line with the ISO 8217:2010 standard for petroleum products - Fuels (Class F) - Specifications of Marine Fuels, but with a maximum sulfur limit of 3.5%.

USGC Marine Fuel 0.5%: This assessment reflects RMG 380 fuel oil in line with the ISO 8217:2010 standard for petroleum

products - Fuels (Class F) - Specifications of Marine Fuels, but with a maximum sulfur limit of 0.5% and a minimum viscosity of 30 CST at 50 degrees Celsius. Effective May 2022, Platts eliminated the use of hand blends in trades reported through the US Platts Market on Close assessment process for 0.5%S marine fuel. Additionally, per the International Standards Organization's Publicly Available Specification 23263:2019, Platts expects sellers to provide COAs with a complete TSP test for 0.5%S marine fuel.

While the ISO standards do not specify maximum limits for chemical content in marine fuels, based on extensive market engagement Platts understands that unusually high levels of chemicals including styrene, indene, and phenol, either individually or in total, may render the fuel non-merchantable in the bunker market. If chemical compounds, including styrene, indene, and phenol are present in product sold in the Marine Fuel 0.5%S MOC process, the levels of each chemical compound and their combined levels must be reasonable and reflective of standard market practice. Buyers participating in the Marine Fuel 0.5% Platts Market on Close assessment process have the right to request GCMS testing from the seller at their own expense. The seller should not unreasonably reject this request.

US Atlantic Coast

Cargo assessments

These reflect a minimum volume of 50,000 barrels DAP basis New York Harbor. For the USAC Marine Fuel 0.5% market Platts publishes an assessment in \$/mt reflecting a minimum volume of 7,000 mt. Platts also publishes the equivalent \$/barrel value for Marine Fuel 0.5% which reflects barges with a minimum volume of 50,000 barrels, and is converted from the \$/mt assessment using the published conversion rate of 6.35 barrels per mt. Bids, offers and transactions that reflect delivery to locations beyond New York Harbor, i.e. Boston-Maryland range, may be normalized by using prevailing freight rates as published by Platts. Cargo assessments reflect delivery in a five-day

window, 7-20 days forward from the date of publication.

Product reflected in Platts assessments shall not contain petrochemical wastes, residues from acid-catalyzed refining process, spent chemicals, waste lubricants, tar bottoms or hazardous waste.

No. 6 1.0%S: These assessments reflect fuel oil with an Al+Si content of maximum 80 ppm; nitrogen of maximum 0.5%; vanadium of maximum 150 ppm; minimum-maximum gravity of 10.1-18.0 API; minimum-maximum viscosity of 70-250 SSF; flash point of minimum 150 F; pour point of maximum 60 F; ash of maximum 0.1%; BS&W of maximum 1.0%; water by distillation of maximum 0.5%; sediment by extraction of maximum 0.1%; vanadium of maximum 150 ppm; sodium of maximum 60 ppm; asphaltenes of maximum 8%; H₂S of maximum 50 ppm; maximum cleanliness rating of 3 for cleanliness and compatibility. Per the International Standards Organization's Publicly Available Specification 23263:2019, Platts expects sellers to provide COAs with a complete TSP test with a max TSP of 0.1% for 0.5%S marine fuel.

USAC HSFO: This assessment reflects RMG 380 fuel oil in line with the ISO 8217:2010 standard for petroleum products - Fuels (Class F) - Specifications of Marine Fuels, but with a maximum sulfur limit of 3.5%.

USAC Marine Fuel 0.5%: This assessment reflects RMG 380 fuel oil in line with the ISO 8217:2010 standard for petroleum products - Fuels (Class F) - Specifications of Marine Fuels, but with a maximum sulfur limit of 0.5% and a minimum viscosity of 30 CST at 50 degrees Celsius. While the ISO standards do not specify maximum limits for chemical content in marine fuels, based on extensive market engagement Platts understands that unusually high levels of chemicals including styrene, indene, and phenol, either individually or in total, may render the fuel non-merchantable in the bunker market. If chemical compounds, including styrene, indene, and phenol are present

in product sold in the Marine Fuel 0.5%S MOC process, the levels of each chemical compound and their combined levels must be reasonable and reflective of standard market practice. Buyers participating in the Marine Fuel 0.5% Platts Market on Close assessment process have the right to request GCMS testing from the seller at their own expense. The seller should not unreasonably reject this request. Effective May 2022, Platts eliminated the use of hand blends in trades reported through the US Platts Market on Close assessment process for 0.5%S marine fuel.

Barge rate assessments

Platts publishes spot barge rate assessments for the following routes: New York Harbor-Boston, New York Harbor-Philadelphia, and New York Harbor-Baltimore. These reflect a minimum volume of 50,000 barrels.

Latin America

Colombia fuel oil: This assessment reflects the value of fuel oil loading from Colombia, FOB basis Mamonal (Cartagena) or Covenas, in cargoes of at least 200,000 barrels, for loading seven to 21 days forward from the date of publication. It reflects the value of fuel oil with maximum sulfur of 1.6%; maximum gravity of 6 API; and maximum viscosity of 300 SSF. Platts typically analyzes the value of Colombian fuel oil as a differential to its US Atlantic Coast 1% sulfur fuel oil assessment. The assessment is published as an outright value, in US dollars per barrel.

Ecuador fuel oil: This assessment reflects the value of fuel oil loading from Ecuador for export only, FOB basis Esmeraldas, for loading seven to 21 days forward from the date of publication. The assessment reflects a minimum volume of 150,000 barrels, with spot trade typically observed at 190,000 barrels. It reflects the value of fuel oil with maximum sulfur of 2.2%; maximum gravity of 12-14 API; and maximum viscosity of 250 SSF. The Ecuador fuel oil assessment is published as an outright value, in US dollars per barrel.

Fuel Oil Strips

Platts also publishes a daily Mean of Platts US Atlantic Coast 1% sulfur residual fuel oil Strip assessment and a daily USGC HSFO Strip assessment. The Strip is the value of the respective

fuel oil swaps market effective for the mid-point of the physical assessment (see “Explanation of the Strip,” in Part III of this document, for more details). Platts also began publishing the difference between the physical assessment and the USAC 1% sulfur residual fuel oil paper strip for the following New

York-delivered, fuel oil assessments: 1%S and USAC HSFO. The difference between the physical assessment and the USGC paper Strip for the following FOB Houston-based fuel oil assessments: Slurry Oil, 1%S, USGC HSFO and RMG 380 are also published.

Feedstocks

Assessment	Code	Mavg	Contract basis	Location	Delivery period	Min size	Max size	Currency	UOM
US Gulf Coast VGO									
VGO 0.5%S CIF USGC	AAYMW00	AAYMW03	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
VGO 0.5%S CIF USGC vs 70-30 midpoint	PKAAO00	PKABW03	CIF	USGC	5-15 days forward	50,000	-	US cents	Gallon
VGO 0.5%S USGC vs WTI	AAJNY00	AAJNY03	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
VGO 0.5%S CIF USGC vs ICE Brent	AVGUA00	AVGUA03	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
VGO 2.0%S CIF USGC	AUVGO00	AUVGO03	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
VGO 2.0%S CIF USGC vs 70-30 midpoint	PKAAS00	PKABY03	CIF	USGC	5-15 days forward	50,000	-	US cents	Gallon
VGO 2.0%S CIF USGC vs WTI	AAWL00	AAWL03	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
VGO 2.0%S CIF USGC vs ICE Brent	AVGUB00	AVGUB03	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
VGO HS vs Maya crude	AASHB00	AASHB03	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
US Atlantic Coast VGO									
VGO 0.5%S CIF USAC	AUVGA00	AUVGA03	CIF	North of Hatteras	5-15 days forward	50,000	-	US\$	Barrel
VGO 0.5%S CIF USAC vs 70-30 midpoint	AAJMW00	AAJMW03	CIF	North of Hatteras	5-15 days forward	50,000	-	US cents	Gallon
VGO 0.5%S CIF USAC vs ICE Brent	AVGSA00	AVGSA03	CIF	North of Hatteras	5-15 days forward	50,000	-	US cents	Gallon
VGO 2.0%S CIF USAC	AUVGC00	AUVGC03	CIF	North of Hatteras	5-15 days forward	50,000	-	US\$	Barrel
VGO 2.0%S CIF USAC vs 70-30 midpoint	PKAAT00	PKACF03	CIF	North of Hatteras	5-15 days forward	50,000	-	US cents	Gallon
VGO 2.0%S CIF USAC vs ICE Brent	AVGSB00	AVGSB03	CIF	North of Hatteras	5-15 days forward	50,000	-	US cents	Gallon
US Gulf Coast Straight Run Fuel Oil									
Straight Run low sulfur USGC	AALGK00	AALGK03	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
Straight Run low sulfur USGC vs ICE Brent	AVGUC00	AVGUC03	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
Straight Run LS Dlvd USGC vs WTI M1	AALFS00	AALFY00	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
Straight Run LS Dlvd USGC vs WTI M2	AALFT00	AALFZ00	CIF	USGC	5-15 days forward	50,000	-	US\$	Barrel
US Atlantic Coast Straight Run Fuel Oil									
Straight Run low sulfur USAC	AALGR00	AALGR03	CIF	North of Hatteras	5-15 days forward	50,000	-	US\$	Barrel
Straight Run low sulfur USAC vs ICE Brent	AVGSC00	AVGSC03	CIF	North of Hatteras	5-15 days forward	50,000	-	US\$	Barrel
Straight Run LS Dlvd USAC vs WTI M1	AALFU00	AALGA00	CIF	North of Hatteras	5-15 days forward	50,000	-	US\$	Barrel
Straight Run LS Dlvd USAC vs WTI M2	AALFV00	AALGB00	CIF	North of Hatteras	5-15 days forward	50,000	-	US\$	Barrel

Feedstocks

Platts assesses the value of vacuum gasoil on the US Gulf Coast and US Atlantic Coast. Platts also assesses the value of straight run fuel oil on the USGC and USAC.

Vacuum gasoil (VGO): Platts assesses the value of two grades, reflecting (1) a maximum sulfur content of 0.5%; and (2) a maximum sulfur content of 2%. In all cases, the aniline point is a minimum 180 F. The aniline point signifies the temperature at which aniline and oil are equally mixable, and the relatively higher temperature signifies VGO that has a relatively lower aromatics content than VGO with an aniline point of minimum 160 F. Platts US VGO assessments reflect material with a Conradson carbon residue of maximum 0.7%.

Platts publishes its VGO assessments as outright assessments and as differentials against either the prevailing WTI crude futures contract, the prevailing Brent futures contract and/or a weighted

average of Platts waterborne regular gasoline and waterborne heating oil assessments. The weighted average (70% gasoline and 30% heating oil) is referred to as a “70/30 Midpoint”. For differentials versus the prevailing WTI and Brent crude futures, the front month futures contract will be used and this will roll to the next month on the day the front month contract expires. Platts will apply the front-month differential for the entire 5-15 day feedstock laycan. Platts may use market data priced off future months in the assessment, but it will be normalized to this basis.

Straight run fuel oil: Platts assesses the value of low sulfur straight run fuel oil, containing maximum sulfur of 0.3%; gravity of 20-22 API; viscosity of maximum 1,000 SSU (approximately 100 SSF); and pour point of maximum 60° F.

Platts publishes its straight run fuel oil assessments as outright assessments, as differentials against the prevailing front month and second month WTI crude futures contracts and as differentials against the prevailing front month Brent crude

futures contract. These will roll to the next month on the day of expiry. Platts will apply the front-month differential for the entire 5-15 day feedstocks laycan. Platts may use market data priced off future months in the assessment, but it will be normalized to this basis.

US Gulf Coast

Platts VGO and straight run fuel oil assessments on the USGC reflect shipments that are at least 50,000 barrels in size, for delivery five to 15 days forward from the date of publication on a CIF USGC basis.

US Atlantic Coast

Platts VGO and straight run fuel oil assessments on the USAC reflect shipments that are at least 50,000 barrels in size, for delivery five to 15 days forward from the date of publication on a CIF north of Hatteras, North Carolina, basis.

Base Oils and asphalt

Assessment	Code	Contract basis	Location	Currency	UOM
Group I SN150 FOB USGC	PLAAB00	Spot	USGC	US\$	MT
Group I SN500 FOB USGC	PLAAE00	Spot	USGC	US\$	MT
Group I Bright Stock FOB USGC	PLAAH00	Spot	USGC	US\$	MT
Group I SN150 Domestic FOB Rail tank	AGRPJ00	Spot	USGC	US\$	Gallon
Group I SN500 Domestic FOB Rail tank	AGRPK00	Spot	USGC	US\$	Gallon
Group I Bright Stock Domestic FOB Rail tank	AGRPL00	Spot	USGC	US\$	Gallon
Group II 100N Export FOB USGC	AGRPB00	Spot	USGC	US\$	MT
Group II 220N Export FOB USGC	AGRPE00	Spot	USGC	US\$	MT
Group II 600N Export FOB USGC	AGRPF00	Spot	USGC	US\$	MT
Group II 100N Domestic FOB Rail tank	AGRPA00	Spot	USGC	US\$	Gallon
Group II 220N Domestic FOB Rail tank	AGRPC00	Spot	USGC	US\$	Gallon
Group II 600N Domestic FOB Rail tank	AGRPD00	Spot	USGC	US\$	Gallon
Group III 4CST Domestic FOB Rail tank	AGRPG00	Spot	USGC	US\$	Gallon
Group III 6CST Domestic FOB Rail tank	AGRPH00	Spot	USGC	US\$	Gallon
Group III 8CST Domestic FOB Rail tank	AGRPI00	Spot	USGC	US\$	Gallon
Asphalt Arkansas Rack	PPARP00	Rack	Arkansas	US\$	ST
Asphalt California Rack	PPARW00	Rack	California	US\$	ST
Asphalt Colorado Rack	PPARU00	Rack	Colorado	US\$	ST
Asphalt Georgia Rack	PPARQ00	Rack	Georgia	US\$	ST
Asphalt Illinois Rack	PPARX00	Rack	Illinois	US\$	ST
Asphalt Kansas Rack	PPARZ00	Rack	Kansas	US\$	ST
Asphalt Louisiana Rack	PPALA00	Rack	Louisiana	US\$	ST
Asphalt MidAtlantic Rack	AAWIC00	Rack	Mid-Atlantic	US\$	ST
Asphalt Minneapolis/StPaul Rack	PPARR00	Rack	Minneapolis	US\$	ST
Asphalt Montana Rack	PPASM00	Rack	Montana	US\$	ST
Asphalt Ohio Rack	PPARY00	Rack	Ohio	US\$	ST
Asphalt Oklahoma Rack	AAUQ000	Rack	Oklahoma	US\$	ST
Asphalt Tampa Rack	AAWID00	Rack	Tampa	US\$	ST
Asphalt Texas Rack	PPART00	Rack	Texas	US\$	ST

Base Oils and asphalt

Platts assesses base oils each week on a Wednesday for the following groups, in the US: Group I, Group II and Group III. When an assessment falls on a public holiday, the price will be assessed on the first business day prior. US assessments reflect bulk cargoes and domestic rail tank basis USGC.

Platts US base oil assessments reflects the value of base oil loading 10-30 days forward for domestic and export deals.

Domestic base oil assessments reflect a minimum 25,000 gallons trade size, and export base oil assessments reflect a 2,000-10,000 metric ton clip size. Domestic base oil assessments are published in US Dollars per gallon, and export assessments are published in US Dollars per metric ton. The assessments are based on market information gathered throughout the week, normalized to a basis of 2:30 pm ET time on the day of publication.

Group I Base Oils

Group I SN150 — Platts base oil assessments Group I SN150 Domestic FOB Rail Tank (AGRPJ00) and Group I SN150 Export FOB USGC (PLAAB00) reflect the following product specification: ASTM Color maximum 1.5; Viscosity at 40 degrees Celsius between 28.0-35.0 millimeters squared per second; Viscosity at 100 degrees Celsius between 4.4-5.6 millimeters squared per second; Viscosity Index minimum 95; Flash Point

minimum 200 degrees Celsius; Pour Point maximum -9 degrees Celsius. A conversion factor of 303 may be applied to transform prices from US Dollars per gallon to US Dollars per metric ton.

Group I SN500 — Platts base oil assessments Group I SN500 Domestic FOB Rail Tank (AGRPK00) and Group I SN500 Export FOB USGC (PLAAE00) reflect the following product specification: ASTM Color maximum 4; Viscosity at 40 degrees Celsius between 100-125 millimeters squared per second; Viscosity at 100 degrees Celsius between 9.5-13.0 millimeters squared per second; Viscosity Index minimum 93; Flash Point minimum 210 degrees Celsius; Pour Point maximum -6 degrees Celsius. A conversion factor of 298 may be applied to transform prices from US Dollars per gallon to US Dollars per metric ton.

Group I Bright Stock — Platts base oil assessments Group I Bright Stock Domestic FOB Rail Tank (AGRPL00) and Group I Bright Stock Export FOB USGC (PLAAH00) reflect the following product specification: ASTM Color maximum 6; Viscosity at 100 degrees Celsius between 30.0-35.0 millimeters squared per second; Viscosity Index minimum 95; Flash Point minimum 270 degrees Celsius; Pour Point maximum -6 degrees Celsius. A conversion factor of 294 may be applied to transform prices from US Dollars per gallon to US Dollars per metric ton.

Group II Base Oils

Group II 100N — Platts base oil assessments Group II 100N Domestic FOB Rail Tank (AGRPA00) and Group II 100N Export FOB USGC (AGRPB00) reflect the following specification: ASTM Color maximum 0.5; Viscosity at 40 degrees Celsius between 19.5-21.5 millimeters squared per second; Viscosity at 100 degrees Celsius between 4.0-4.5 millimeters squared per second; Viscosity Index minimum 95; Flash Point minimum 200 degrees Celsius; Pour Point maximum -14 degrees Celsius; Sulfur maximum 25 parts per million; Density between 7.0-7.1 pounds per gallon; Gravity, °API between 33.0-37.0. A conversion factor

of 311 may be applied to transform prices from US Dollars per gallon to US Dollars per metric ton.

Group II 220N — Platts base oil assessments Group II 220N Domestic FOB Rail Tank (AGRPC00) and Group II 220N Export FOB USGC (AGRPE00) reflect the following specification: ASTM Color maximum 1.0; Viscosity at 40 degrees Celsius between 39.5-42.5 millimeters squared per second; Viscosity at 100 degrees Celsius between 6.25-6.75 millimeters squared per second; Viscosity Index minimum 95; Flash Point minimum 215 degrees Celsius; Pour Point maximum -12 degrees Celsius; Sulfur maximum 100 parts per million; Density between 7.15-7.25 pounds per gallon; Gravity, °API between 30.5-33.0. A conversion factor of 306 may be applied to transform prices from US Dollars per gallon to US Dollars per metric ton.

Group II 600N — Platts base oil assessments Group II 600N Domestic FOB Rail Tank (AGRPD00) and Group II 600N Export FOB USGC (AGRPF00) reflect the following specification: ASTM Color maximum 2.0; Viscosity at 40 degrees Celsius minimum 105 millimeters squared per second; Viscosity at 100 degrees Celsius between 12.0-12.5 millimeters squared per second; Viscosity Index minimum 95; Flash Point minimum 240 degrees Celsius; Pour Point maximum -12 degrees Celsius; Sulfur maximum 300 parts per million; Density between 7.25-7.35 pounds per gallon; Gravity, °API between 28.5-31.0. A conversion factor of 302 may be applied to transform prices from US Dollars per gallon to US Dollars per metric ton.

Group III Base Oils

Group III 4CST — Platts base oil assessment Group III 4CST Domestic FOB Rail Tank (AGRPG00) reflects the following specification: ASTM Color maximum 0.5; Viscosity at 40 degrees Celsius between 20.0-21.5 millimeters squared per second; Viscosity at 100 degrees Celsius between 4.25-4.75 millimeters squared per second; Viscosity Index minimum 120; Flash Point minimum 210 degrees Celsius; Pour Point maximum -18 degrees

Celsius; Sulfur maximum 5 parts per million; Density between 6.9-7.0 pounds per gallon. A conversion factor of 317 may be applied to transform prices from US Dollars per gallon to US Dollars per metric ton.

Group III 6CST — Platts base oil assessment Group III 6CST Domestic FOB Rail Tank (AGRPH00) reflects the following specification: ASTM Color maximum 1.0; Viscosity at 40 degrees Celsius between 32.0-33.0 millimeters squared per second; Viscosity at 100 degrees Celsius between 5.75-6.25 millimeters squared per second; Viscosity Index minimum 125; Flash Point minimum 225 degrees Celsius; Pour Point maximum -15 degrees Celsius; Sulfur maximum 5 parts per million; Density between 7.0-7.1 pounds per gallon. A conversion factor of 314 may be applied to transform prices from US Dollars per gallon to US Dollars per metric ton.

Group III 8CST — Platts base oil assessment Group III 8CST Domestic Rail Tank (AGRPI00) reflects the following specification: ASTM Color maximum 1.5; Viscosity at 40 degrees Celsius between 49.0-52.0 millimeters squared per second; Viscosity at 100 degrees Celsius between 7.75-8.25 millimeters squared per second; Viscosity Index minimum 125; Flash Point minimum 240 degrees Celsius; Pour Point maximum -12 degrees Celsius; Sulfur maximum 5 parts per million; Density between 7.0-7.1 pounds per gallon. A conversion factor of 312 may be applied to transform prices from US Dollars per gallon to US Dollars per metric ton.

Asphalt

Platts assesses US spot asphalt every Friday for the following locations: Arkansas, Colorado, Montana, California, Illinois, Georgia, Minneapolis/St. Paul, Ohio, Oklahoma, Kansas, MidAtlantic, Tampa, Texas and Louisiana. Asphalt assessments are published in US dollars per short ton at the rack (unless specified otherwise) and based on market information throughout the week.

US 2:30 pm ET futures

Assessment	Code	Contract basis	Delivery period	Currency	UOM
NYMEX RBOB at Houston MOC Mo01	NYRBM01	Exchange futures	M+1	US Cents	Gallon
NYMEX RBOB at Houston MOC Mo02	NYRBM02	Exchange futures	M+2	US Cents	Gallon
NYMEX RBOB at Houston MOC Mo03	NYRBM03	Exchange futures	M+3	US Cents	Gallon
NYMEX ULSD at Houston MOC Mo01	NYHOM01	Exchange futures	M+1	US Cents	Gallon
NYMEX ULSD at Houston MOC Mo02	NYHOM02	Exchange futures	M+2	US Cents	Gallon
NYMEX ULSD at Houston MOC Mo03	NYHOM03	Exchange futures	M+3	US Cents	Gallon

US futures

Platts assesses the value of key futures contracts at precisely 2:30:00 pm ET (1:30:00 pm CT). To do so, Platts analyzes the sequence of trades, bids, and offers on each of the relevant futures contracts leading into the transactable value at 2:30:00 pm ET.

These futures assessments are separate from the official NYMEX futures settlement prices, which are used as a component part in many Platts physical assessments in the Americas.

Revision history

May 2026: Platts launched the Chicago Index assessments for ULSD and CBOB, launched a West Shore/Badger assessment for ULSD, and changed the name from Chicago CBOB to West Shore/Badger CBOB. Additionally, Platts launched ULSD, gasoline, and jet assessments for FOB Denver and FOB Dallas.

January 2026: Platts clarified specifications for US Gulf Coast and US Atlantic Coast LSK and ULSK assessments and the sulfur level for Chicago ULSK. Platts added a USGC 83.7-91.4 AKI per 1 octane value adjustment.

In December 2025, Platts added new VLGC freight rates for Houston-Suape, Brazil and Houston-Santos, Brazil, effective Dec. 15, 2025

November 2025: Platts added symbols for US diesel and gasoline assessments that exclude the Renewable Volume Obligation price. Platts also added and updated descriptions, methodology and symbols for DAP Brazil diesel and gasoline assessments to reflect new assessments and changes to existing assessments, including the discontinuation of its delivered South Brazil (All-origin) assessments. Platts also added two new locations for domestic Brazil gasoline assessments (Santos and Paranagua). Platts added an assessment for Buckeye Pipeline ultra-low sulfur heating oil to more closely reflect how the market trades the product at New York Harbor.

July 2025: Platts completed an annual review of the Americas Refined Oil Products methodology and specifications guide. Platts launches weekly averages for Brazil diesel, gasoline assessments effective July 18.

In May 2025, Platts adds buyer's option for segregated/fungible batch USGC pipeline unl 87 regular, premium gasoline, effective May 6, 2025.

In April 2025, Platts amended the specifications for its Ecuador gasoline assessment on a DAP Esmeraldas basis from RON

93 gasoline to RON 95 gasoline, effective April 18. Platts discontinued the Seattle ULSD differential, priced against Portland ULSD, and launched a new assessment to price against NYMEX ULSD futures, effective April 23.

In March 2025, Platts launched assessments for inland ultra low sulfur diesel and port gasoline prices in the Brazilian domestic market, both on an FCA basis, effective March 31, 2025.

In February 2025, Platts made a number of changes to its Midwest CBOB gasoline assessments effective Feb. 3, 2025, ahead of the anticipated removal of an RVP waiver in multiple Midwest states. Platts launched new assessments for the Group 3 regular and premium suboctane product to reflect the new low RVP quality of product moving on the ONEOK Pipeline system on an FOB Tulsa, Oklahoma, basis. Platts also amended the generic Chicago CBOB assessment to reflect the lowest value between the Badger and West Shore pipelines, and removed the Wolverine Pipeline from the Chicago generic basket following a division in RVP.

December 2024: Platts launched ultra-low sulfur diesel assessments for the Brazilian domestic market, effective Dec. 2, 2024, on an FCA basis at Itaquí, Suape, Santos and Paranagua ports. Platts renames, added new Group I US base oil assessments, launched weekly USGC Group II and Group III base oil spot assessments, effective Dec. 11, 2024.

November 2024: Platts launched new assessments for Canadian propane, butane in Edmonton, and propane, butane and isobutane in Sarnia from November 1.

October 2024: Platts launched new assessments for light cycle oil on the US Gulf Coast, effective Oct. 1.

August 2024: Platts moves assessment date ranges for USAC Buckeye Pipeline refined products with effect from Aug. 19, 2024, as a result of changes to scheduling procedures on the pipeline. Platts clarifies that USGC blendstocks FOB basis market indications may be published in MOC

July 2024: Platts renamed some of its Latin American refined product assessments to reflect DAP Incoterm with effect from July 24, 2024, to reflect a change in the typical Incoterms used in regional oil trade.

June 2024: Platts completed an annual review of the Americas Refined Oil Products methodology and specifications guide.

April 2024: Platts launched new assessments from April 1, 2024 reflecting dead prompt barge loadings for US Atlantic Coast RBOB and CBOB gasoline, their premium counterparts and related supplemental assessments, as well as ULSD on an FOB New York Harbor basis one to three days forward from the date of publication. Platts also launched ULSD loading onto Laurel Pipeline on the US Atlantic Coast effective April 1, 2024. In addition, Platts launched daily assessments for regular CBOB, premium CBOB, ULSD and jet fuel cargoes delivered on a DDP (inside duty) basis in Port Everglades and Tampa, Florida from April 1, 2024.

September 2023: Platts launched new assessments for ULSD DAP South Brazil from all origins, including Russia, effective Sept. 1, 2023. Platts also renamed its CFR Brazil ULSD and jet fuel cargo assessments with effect from Sept. 1, 2023, to clarify the US origin of the products reflected in the prices. In addition, Platts renamed its Gasoline CFR Suape CFR Cargo Differential assessment to 'Gasoline CFR Brazil vs NYMEX', with effect from Sept. 1, 2023, and changed the monthly roll timing for this assessment to better reflect market convention.

July 2023: Platts added NYMEX RBOB differential assessments for delivered gasoline to Brazil.

June 2023: Platts completed an annual review of the Americas Refined Oil Products methodology and specifications guide and clarified all Platts domestic US refined product assessments inherently reflect the value of all taxes, including the Oil Spill and Superfund taxes, which may have already been applied previously. In addition, Platts clarified delivery period for ULSD/Jet fuel Group 3 pipeline assessments reflect "Next business day".

In January 2023, Platts added the Petroleum Superfund excise tax to the New York Harbor cargo inside duty assessments with effect from Jan. 3, 2023.

December 2022: Platts completed an annual review of the Americas Refined Oil Products methodology and specifications guide. Platts reviewed all content, added the launch of blendstock and naphtha differentials, corrected typos and made minor edits to language. In addition, Platts updated the currency and unit of measurement for the Jet A-1 differential and the name of the LSR naphtha differential in the relevant tables.

September 2022: Platts updated the guide to reflect that the use of hand blends were eliminated in trades reported through the US Platts Market on Close assessment process for 0.5%S marine fuel, effective May 2, 2022; the launch of Group 3 suboctane gasoline supplementals; the change to Mont Belvieu NGL assessment names to better reflect the names of the specific cavern locations where they are traded. Platts also clarified that the Light Straight Run Naphtha differential to Enterprise natural gasoline reflects Month 2 basis when more than half the assessed laycan rolls into the next month.

January 2022: Platts discontinued FO No. 6 0.3% HP, FO No. 6 0.3% LP and FO No. 6 0.7% New York Harbor delivered assessments and their respective differentials to the New York Harbor 1% strip effective January 3, 2022.

November 2021: Platts completed an annual review of the Americas Refined Oil Products methodology and specifications guide. Platts reviewed all content and corrected minor errors throughout. Platts launched USGC gasoline and diesel waterborne ex-RVO assessments as well as premium CBOB waterborne.

September 2021: Platts updated the guide to reflect the discontinuation of Chicago unleaded 87 and 89 gasoline assessments and clarification of Chicago P91 as premium CBOB;

remove the HD-5 normalization for US Gulf Coast FOB propane cargoes, add Colombian Import Parity Prices for gasoline, diesel and jet fuel; discontinue assessments for exported fuel oil, naphtha and natural gasoline from Peru, as well as its FOB Caribbean jet fuel and fuel oil assessments; add butane cargoes and LPG 22:22 cargoes reflecting split propane/butane cargoes out of Mt. Belvieu; and add an example for Los Angeles jet fuel roll timing. Platts also clarified that unusually high levels of chemicals may render Marine Fuel 0.5%S non-merchantable in the bunker market, and that levels of each chemical compound and their combined levels must be reasonable and reflective of standard market practice. Platts also clarified that the New York 1%S fuel oil specification includes a max TSP rating of 0.1%S.

March 2021: Platts updated the guide to reflect the launch of US Gulf Coast and Atlantic Coast VGO and straight run fuel oil assessments reflecting differentials to the prevailing Brent crude futures contract. Platts discontinued assessments of US West Coast feedstocks along with USGC and USAC assessments of 1% sulfur vacuum gasoil and high sulfur straight run fuel oil. Platts also amended the FOB USGC naphtha cargo specifications. Platts launched standalone Wolverine Pipeline CBOB and ULSD assessments in Chicago. Platts also launched East Texas CBOB and premium CBOB assessments.

January 2021: Platts amended the New York Harbor 1%S fuel oil specifications to add a max Total Sediment Potential (TSP) of 0.1%, lowered the max water content from 1% to 0.5%, removed the minimum energy requirement of 151,000 BTU/gal, and added a max cleanliness rating of 3 for cleanliness and compatibility, from Jan. 4. Platts also renamed its New York Harbor 3%S fuel oil assessment to "USAC HSFO" and updated its specifications to reflect RMG 380 3.5%S quality fuel, as per ISO 8217:2010 specifications, from Jan 4. Platts also discontinued its New York Harbor 2.2%S assessment, and the associated differential to the strip, beginning on Jan. 4. Platts also changed its delivery laycan for all its US Atlantic Coast fuel oil assessments from 10-25 days out to 7-20 days out, and updated the delivery term to DAP, beginning on Jan. 4. Platts also added the Texas International

Terminal to its list of approved USGC HSFO terminals in Galveston Bay. Platts amended its RVP adjustment values on Jan. 4 to rename two existing ones as USGC CBOB and premium CBOB RVP adjustment plus 1 psi and add USGC CBOB and premium CBOB adjustment minus 1 psi assessments. Platts also discontinued several USAC gasoline assessments – New York Harbor conventional unleaded barges; Laurel RBOB; NYH unleaded 89, NYH unleaded 93, NYH CBOB and NYH Premium RBOB cargoes; as well as Boston RBOB cargo – effective Jan. 4, 2021.

December 2020: Platts added Peru Import Parity Prices for gasoline, diesel and jet fuel. Additionally, Platts added a reference to the Freight methodology and specifications guide for the Houston-Morocco VLGC freight assessment.

November 2020: Platts completed an annual review of the Americas Refined Oil Products methodology and specifications guide. Platts reviewed all content and corrected minor errors throughout, as well as discrepancies between the text and the tables. Platts discontinued assessments of US Atlantic Coast Fuel Oil No. 6 1% NYH FOB Cargo, Fuel Oil No. 6 2.2%S Boston Delivered Cargo and USAC RMG 380 FOB NYH cargo with effect from Aug. 3. Platts also amended its methodology for USAC fuel oil 0.3%S high pour, 0.3%S low pour and 0.7% fuel oil with effect from Oct. 1, 2020, until their discontinuation in Jan. 2022. Platts discontinued assessments for USAC low sulfur heating oil, USGC ratable diesel, and USAC ratable RBOB and CBOB. Platts added assessments for USGC export diesel and jet fuel, and added barge-to-pipeline spreads. Platts discontinued supplemental USGC CBOB, premium CBOB and waterborne conventional grade assessments. Platts aligned FOB USGC naphtha cargo specifications with CFR Japan and added new assessments for the 45-75 day MOPJ strip at the Houston close and a differential in \$/mt to this strip. Platts is also publishing CFR Japan naphtha derivatives at the Houston close for the balance month, month 1, month 2 and month 3 contracts. Platts has made data available for the US refined product differential versus their relevant prevailing futures contracts from Sept. 1, 2020.

July 2020: Platts updated this guide to reflect the transfer of Americas VLGC freight methodology from this guide to the global Freight methodology and specifications guide.

May 2020: Platts updated this guide to reflect the roll timing change for US natural gas liquids assessments, except for natural gasoline. The assessments reflect trading in barrels for delivery any day in the specified month -- also known as “any” barrels -- through the end of the month. Platts also updated its Light Straight Run naphtha assessment specification to reflect a more prompt laycan (3-15 days forward) and delivery basis (DAP). This update includes the addition of the Texas International Terminal as an acceptable terminal for FOB Galveston Bay for USGC 0.5% Marine Fuel. It also adds that 0.5%S marine fuel assessments reflect a minimum viscosity of 30 CST at 50 degrees Celsius. It adds that hand blends are considered common practice in the US Gulf Coast 0.5%S marine fuel market and that sellers should provide a COA with a complete TSP result. Platts added two daily assessments reflecting the value of 1 psi RVP for US Gulf Coast gasoline low-octane and high-octane CBOB with effect from March 30, 2020. The new assessments reflect the value in cents/gal of a 1-psi difference from a given RVP specification. Platts discontinued forward cycle assessments for the second through sixth shipping cycles of US Gulf Coast heating oil on Colonial Pipeline. Platts discontinued NGL assessments for River natural gasoline, LST isobutane, Bushton propane and non-LST ethane/propane mix month 2. Platts added the US excise tax that funded the federal Oil Spill Liability Trust Fund, known as the spill tax, to a number of New York Harbor gasoline cargo assessments.

November 2019: Platts completed an annual review of the Americas Refined Oil Products methodology and specifications guide. Platts reviewed all content, corrected typos and made minor edits to language.

October 2019: Platts updated this guide to reflect changes to US Gulf Coast alkylate, reformat and raffinate barge

assessment methodology, relating to delivery basis, laycans and specifications. Details were added of additional Brazilian Import Parity Prices for gasoline, jet fuel and diesel at new locations. This update also includes a clarification that Platts will continue to publish the USGC and USAC assessments for Marine Fuel 0.5% on a \$/b basis, and will derive these assessments by converting the relevant \$/mt assessments using the existing conversion rate of 6.35 b/mt. July 2019: Platts updated this guide to reflect the change in the spill tax calculation for USAC gasoline cargo assessments, the removal of the ITC Deer Park terminal for consideration in USGC fuel oil assessments, the change in Chicago Buckeye Complex storage (BCX) to reflect eWindow timings and increments, and the addition of Kinder Morgan Galena Park terminal for USGC Marine Fuel 0.5% assessments. Platts completed an annual update to sections 1 to 6 of Platts Methodology and Specifications Guides in April 2019, and moved these sections into a standalone Methodology Guide.

February 2019: Platts updated this guide to include details of new USGC and USAC Marine Fuel 0.5% assessments, updated ISO 8217:2010 standards reflected in all existing RMG 380 assessments, as well as the change in assessment methodology for USGC 1% fuel oil barges. This update also included details of new gasoline, diesel, jet fuel and LPG assessments delivered at Brazilian ports, and Import Parity Prices for the same products in Brazil. Platts also updated the description of its Colonial Pipeline Linden gasoline and distillate assessments to reflect new methodology on cycles assessed and location. The guide was also updated to reflect the change in the pricing basis for USGC and USAC VGO and straight run fuel oil differential assessments to the prevailing WTI crude futures contract.

August 2018: Platts completed an annual review of the Americas Refined Oil Products methodology and specifications guide. Platts reviewed all content, corrected typos and made minor edits to language. Platts also added a new section I to VI, and moved the explanation of EFPs and the Strip to Section VII. The guide was updated to clarify the methodology of existing Chicago pipeline assessments and the addition of Chicago BCX

assessments. References to monthly averages of USAC gasoline supplementals were removed to reflect their discontinuation. In addition, language on the cycle rolls for Linden offline assessments was updated across all products. The guide was also updated to reflect the renaming of the FOB Houston propane cargo assessment to an FOB USGC propane cargo assessment, as well as the additional loading locations that would be reflected in the assessment. Changes to the USGC propane cargo and shipping laycans were also incorporated, as well as the updated methodology for the USGC-Japan VLGC freight assessment. Platts also updated the guide to reflect the complete list of lubes and asphalt prices assessed, and standardized the names.

December 2017: Platts completed an annual review of the Americas Refined Oil Products methodology and specifications guide. Platts reviewed all content, corrected typos and made minor edits to language. Extraneous language in the text and extraneous columns in the tables were also removed; tables were also reorganized. In addition, the guide was updated to clarify that US refined product pipeline assessments reflect the latest product specifications of the relevant pipeline unless otherwise specified. Language on RINs and public dock clauses were updated for clarity, and references to USGC unleaded 93 gasoline supplemental assessments and USGC paraffinic naphtha assessments were removed to reflect their discontinuation. Language on USGC fuel oil assessments was updated to clarify the FOB Houston pricing basis and the inclusion of two Galveston Bay terminals to the USGC fuel oil MOC process. In addition, US fuel oil barge nomination standards were updated. The pricing basis for delivered USGC standard and heavy naphtha assessments was updated to reflect the change to DAP. Language in the jet fuel section was updated to clarify that US jet fuel assessments reflect Jet A specifications, as defined by the ASTM D1655 standard, unless otherwise specified. The guide was also updated to include new Mexico refined product assessments; revised methodology for USAC gasoline and distillate barges in terms of volumes, laycans and assessment principles; as well as new differential

assessments for key US gasoline and distillate products. Language was also added around the possible change in assessed laycans for Buckeye and Laurel pipeline assessments if pipeline scheduling is affected by long holiday weekends.

January 2017: Platts updated this guide to include details of the renaming and specification change of its US Gulf Coast High Sulfur Fuel Oil assessments, and to reflect the discontinuation of US West Coast residual fuel oil assessments. Details were added for new gasoline assessments reflecting USGC trade on forward Colonial Pipeline cycles for CBOB and for Colonial Pipeline assessments at Linden, New Jersey for CBOB, RBOB and conventional 87. References to discontinued forward cycle assessments of USGC Colonial Pipeline premium conventional gasoline were removed. Details were added of a new assessment for 500 ppm Low Sulfur Heating Oil barges in New York Harbor. Platts has also removed references to a discontinued assessment for No. 2 heating oil on the Buckeye Pipeline in New York Harbor.

September 2016: Platts completed an annual update to the Americas Refined Oil Products Guide in September 2016. Platts updated this guide to reflect the change in Americas MOC timing to 2:30 pm Eastern Time and the use of NYMEX futures contract settlement prices as an element considered in Platts' physical refined product price assessments. Platts added references to additional communications technology, including ICE Instant Messenger and Skype. Platts has also removed references to discontinued assessments for Argentina Gasoline, Caribbean and Ecuador naphtha, Argentina and Caribbean gasoil, Argentina and Brazil fuel oil, as well as ratable supplemental assessments for RBOB and CBOB in New York Harbor. A number of minor edits were also made to the text throughout the guide, including a clarification that seller nominates loading dates in most FOB transactions (replacing a reference to Bill of Lading).

April 2016: Platts updated this guide to include details of new refined product assessments for gasoline, ULSD, diluent naphtha and natural gasoline in Latin America. Details of Platts Americas bunker fuel assessments, which are now included

in a separate global methodology guide for bunker fuel, were removed. Atlanta gasoline assessments were removed to reflect their discontinuation, while details of the new US Gulf Coast Premium CBOB gasoline assessment were included. Details of new outright price assessments for straight run fuel oil were included. Volume sizes for Platts Los Angeles CARBOB and Los Angeles CARB diesel assessments were updated to reflect a new minimum volume of 25,000 barrels. References to several discontinued supplemental US Gulf Coast gasoline assessments were removed.

September 2015: Platts updated this guide to include details of new outright VGO assessments for the USAC, USGC and USWC markets, as well as to clarify the location of some of the existing VGO assessments expressed as differentials to the 70:30 gasoline/heating oil spread. Platts also clarified the basis of its USGC Export ULSD assessment as being French Winter specification of EN590 ULSD for the entire year.

July 2015: Platts completed an annual update to the Americas Refined Oil Products Guide in July 2015. In this update, Platts reviewed all content. Platts updated guidance around how to report information and expectations for contactability. This guide was updated to include further description of Platts' processes and practices in survey assessment environments. Platts updated the guide to include guidelines around trade of non-competitive bids and offers. Platts updated this guide to incorporate existing standards for compensation expectations for late performance. Platts also consolidated guidance regarding review of reported trades. In the specifications section of the guide, Platts added a description of the methodology for new assessments of line space for gasoline and distillates on the Colonial Pipeline. References to discontinued US Atlantic Coast distillate cargo and US Gulf Coast CIF naphtha cargo assessments were removed. The volume size of Los Angeles jet fuel was updated to reflect a minimum size of 25,000 barrels. The octane number of premium gasoline in Chicago was amended to reflect the Unleaded Chicago Pipeline as 91-octane. Duplicate table entries for a number of fuel oil assessments were removed.

The methodology for USGC CIF naphtha barges was expanded to state that the assessment reflects market activity for product to be delivered in an agreed three-day delivery period. Platts removed all references to MDO which it no longer assesses in the Americas. Platts removed six repeated natural gasoline code listings in its LPG assessments section, and a duplicated reference to Unl 84 FOB Argentina cargos. Platts standardized descriptions for LPG assessment codes, and removed references to "Cargo" in Conway descriptions for LPG. Platts removed references to propane and CARBOB swaps assessments, which are described in its Platts Forward Curve methodology guide. Platts removed references to MTBE assessments, which are described in its Americas Petrochemicals methodology guide. Platts removed references to Gasoline Strip Pipeline USGC cts/Gal (AAWWD00 and AAWWD03), which is not assessed. Platts removed references to USGC naphtha cargo assessments that have been discontinued. Platts updated location descriptions for gasoline assessments in Boston and naphtha assessments in the Caribbean and South America. Platts removed references to assessments for RBOB 87 and 91 Arizona, which have been discontinued, and updated descriptions for suboctane assessments in code tables. Platts clarified that bids or offers for Barge/Buckeye reflect transactions where the initial market-maker seller is willing to deliver or accept either barge or a pipeline barrels at the counterparty's choice. Platts updated US West Coast gasoline descriptions to remove references to Las Vegas. Platts further added a description of the USWC waterborne gasoline assessment, updated the explanation of the 3.15 futures assessment tables, removed fuel oil swap definitions that appear in its PFC methodology guide, and added a reference to ISO 2012 detail on bunker fuel.

January 2015: Platts updated this guide to include a clarification of the Vacuum Gasoil specifications with relation to the maximum sulfur content and to include details of a new assessment for Export ULSD on the US Gulf Coast, which started Dec. 1, 2014. Platts also added details of new 0.1% sulfur bunker fuel assessments which were launched Jan. 5, 2015. References to both pipeline and waterborne US Gulf Coast

Premium CBOB (D-Grade) gasoline were removed after these assessments were discontinued with effect from Jan. 2, 2015. The description of USGC blendstocks reformat, alkylate and raffinate was changed to clarify that these are waterborne, not pipeline assessments.

July 2014: Platts completed an annual update to the Americas Refined Oil Products Guide in June 2014. In this update, Platts reviewed all content. Platts consolidated guidelines around publishing information during the MOC assessment process into the MOC Data Publishing Principles section, and incorporated clarification guidance about how to express interest in bids and offers that were published in January 2014 and May 2014. Platts also incorporated clarifications around book-outs, circle-outs, and editorial review of reported trades. The guide was updated to move a description of the propane FOB USGC cargo assessment, and related VLGC freight assessments, below propane pipeline assessment specifications; to update Group Three delivery laycans to next business day; update delivery ULSD (EPA) Portland and Seattle Pipeline to 1-4 days forward; reflect the discontinuation of US West Coast and Group 3 unleaded 87 gasoline assessments; reflect the discontinuation of Portland and Seattle unleaded 87 and premium finished gasoline assessments; reflect the launch of Portland and Seattle suboctane and premium suboctane gasoline assessments; separate US West Coast premium

CARBOB specifications from CARBOB specifications; provide more information regarding the basis for blendstocks and naphtha barge differentials assessments; reflect additions of FOB US Gulf Coast naphtha cargo and light straight run naphtha assessments; add a description of US Atlantic Coast ultra low sulfur jet kerosene usage; incorporate clarification for USAC jet fuel cargoes; reflect additions of US Atlantic Coast Linden, NJ assessments for jet fuel, ULSD, and ULS heating oil; reflect addition of ULS heating oil barge assessment basis New York Harbor; remove Chicago heating oil specifications; remove reference to a heating oil assessment in Chicago; reflect the discontinuation of a USWC gasoil assessment; and remove discontinued marine diesel and certain gasoline assessments and symbols; and correct the sulfur max stated in USGC Ultra Low Sulfur Diesel to max 11 ppm. This version updated increments and timings for Market-On-Close markets that are now facilitated through eWindow technology.

March 2014: Platts updated this guide to add details regarding propane cargo assessments in the USGC; update information for Chicago, Group 3 and Arizona gasoline assessments; clarify product references within the jet fuel section; add information regarding volumes and “distressed trades” in USWC jet fuel; describe nomination processes reflected in USAC heating oil assessments; update specification and volume references in ULSD; add information regarding volumes in the USAC fuel oil

assessments; and clarify the location and volume basis for low sulfur bunker fuel. This update also corrected symbols and delivery periods that were incorrectly assigned to certain US jet fuel assessments and added symbols for new products launched in the USGC ULS heating oil assessments.

November 2013: Platts updated this guide, making minor edits through the text. In this update, Platts added details for new FOB USGC propane assessments and related VLGC freight rate assessments. Platts also updated the minimum lot size reflected in its Chicago and Group 3 gasoline and middle distillates assessments, and added details of new assessments for suboctane gasoline in Group 3, Seattle and Portland. In the jet fuel section, Platts removed erroneous references to other fuels, and clarified the definition of distressed barrels in the West Coast market. Platts also amended the geographical reference for low sulfur bunker fuel assessments in the US.

August 2013: Platts revamped all Oil Methodology And Specifications Guides, including its Americas Refined Oil Products guide, in July 2013. This revamp was completed to enhance the clarity and usefulness of all guides, and to introduce greater consistency of layout and structure across all published methodology guides. Methodologies for market coverage were not changed through this revamp, unless specifically noted in the methodology guide itself.