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☆RIM LPG INTELLIGENCE DAILY

★NO.4379 Jul 29 2019

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--TOKYO, 19:00 JST Jul 29 2019<Assessment Closing Time>

©Rim Asia Index Monday: Propane 410.50 (+0.00) / Butane 401.00 (+0.00)

The Rim Asia Index a reflection of the CFR Far East spot market and is calculated based on the average of 4 quotations: the first two lines for CFR Japan and the two lines for CFR China. Each line refers to the price assessment for one half-month. The front line for both CFR Japan and CFR China changes every 1st and 16th of the month.

©RECX-22 index

RECX-22 index for Monday was 94.15, up 0.99 points from last Friday

## -----Introduction of Rim reports-----

Please access the URL below for a lineup of Rim reports. You can view sample reports as well as detailed explanations on the contents:

<https://eng.rim-intelligence.co.jp/first/report>

Lineup:

Bunker Oil	Crude/Condensate	Products	
LPG	Petrochemicals	Polyolefins	
LNG	South Asia Gas (Weekly)	Daily Data	Rim Data File

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©Refrigerated Cargoes (\$/mt)					
OFOB Middle East Spot Prices					
	PROPANE			BUTANE	
FOB spot prices (Aug)	+8	367-373	+7	+8	357-363 +7
FOB spot prices (Sep)	+2	365-375	+2	+2	355-365 +2
FOB premiums (Aug)	+4	-3/ +3	+3	+4	-3/ +3 +3
FOB premiums (Sep)		-5/ +5			-5/ +5
Aramco CP (Jul)		375			355
Expected CP (Aug)		370 +4	(371)		360 +4 (359)
Expected CP (Sep)		370 +2	(376)		360 +2 (364)
Expected CP (Oct)		377 +2	(379)		367 +2 (369)

--Figures in brackets are a cumulative monthly average in the current month--

OSaudi CP Swaps (\$/mt)				
	PROPANE			
Aug	+1	366-370	+3	
Sep	-1	366-370	+1	
Oct	-1	373-377	+1	

OCFR Japan Spot Prices							
	(\$/mt)			**Yen/mt			
CFR Japan	PROPANE		BUTANE	PROPANE	BUTANE		
Aug 2nd-half	-3	391-397	-3	-3	382-388 -3	44,983	43,998
Sep 1st-half	-3	397-398	-3	-3	388-389 -3	45,366	44,381
Sep 2nd-half	-3	403-405	-3	-3	394-396 -3	46,078	45,093
prem. (Aug 2H)	-7	+21/+27	-7	-7	+22/+28 -7		
prem. (Sep 1H)	-5	+27/+28	-5	-5	+28/+29 -5		
prem. (Sep 2H)	-5	+33/+35	-5	-5	+34/+36 -5		
Japan Index		395.75	-3		386.75 -3		
Exchange rate (TTS yen/\$ as of Jul 29)				109.45			
*CFR Japan Naphtha Sep 1st-half				502.25-502.75			
*CFR Japan Naphtha prices are as of 19:00 Tokyo time.							
**including Yen 1,860 Tax							

OCFR China Spot Prices							
	(\$/mt)			*Yuan/mt			
CFR South China	PROPANE		BUTANE	PROPANE	BUTANE		
Aug 2nd-half	+4	415-425	+4	+4	405-415 +4	3,182	3,106
Sep 1st-half	+2	420-427	+2	+2	410-417 +2	3,209	3,133
prem. (Aug 2H)		+45/+55			+45/+55		
prem. (Sep 1H)		+50/+57			+50/+57		
CFR East China	PROPANE		BUTANE	PROPANE	BUTANE		
Aug 2nd-half	+4	422-432	+4	+4	412-422 +4	3,235	3,159
Sep 1st-half	+2	427-434	+2	+2	417-424 +2	3,262	3,186
prem. (Aug 2H)		+52/+62			+52/+62		
prem. (Sep 1H)		+57/+64			+57/+64		
China Index		425.25	+3		415.25 +3		
Exchange rate (Middle yuan/\$ as Jul 29)				6.8821			
*Yuan/mt prices include tariff and the value added tax.							

ORim Asia Index (\$/mt)		
	PROPANE	BUTANE
	410.50	401.00



OCumulative Monthly Average (Jul 2019) (\$/mt)		
	PROPANE	BUTANE
	418.08 (412.81)	405.81 (386.94)

The Figures above are a cumulative monthly average of RIM ASIA INDEX.  
 --Figures in brackets are previous month's average--

OCGR Far East Propane Swaps (\$/mt)		
Jul	-3 396-398 -3	
Aug	-3 398-400 -3	
Sep	-2 404-406 -2	

OExpected CIF Japan Values (Yen/mt)				
	Aug	Jul	Jun	May*
PROPANE	44,700	48,800	58,000	58,563
BUTANE	43,500	47,300	58,100	65,325

The figures above are Rim's expected CIF values for each grade, NOT including the power fuel-use LPG.  
 The quotations in the parenthesis refer to power fuel-use inclusive.  
 \*The figures are preliminary CIF values, announced by the Japanese Ministry of Finance.

OFOB US Gulf Coast Spot Prices		
	PROPANE	
	(\$/mt)	(cts/gal)
FOB USGC spot prices (Aug)	285-290	54.750-55.750
FOB USGC spot prices (Sep)	292-297	56.000-57.000
*FOB USGC premiums (Aug)	+4 +30/+35 +4	+0.75 +5.75/ +6.75 +0.75
*FOB USGC premiums (Sep)	+4 +30/+35 +4	+0.75 +5.75/ +6.75 +0.75

\*Premium to Mont Belvieu quotations

OMont Belvieu Swaps		
	PROPANE	
	(cts/gal)	(\$/mt)
Jul	- 47.750-48.000 -	248.78-250.08
Aug	- 48.750-49.250 -	253.99-256.59
Sep	- 50.000-50.500 -	260.50-263.11
Oct	- 51.250-51.500 -	267.01-268.32

OVLGC Freight Rates (\$/mt)	
Ras Tanura/F. East	67- 69
Algeria/F. East	151-153
NWE/F. East	158-160
Yanbu/MED	69- 71
Algeria/NWE	25- 27
USGC/Far East (CGH)	166-168
USGC/Far East (Panama)	104-106
USGC/NWE	61- 63

OTerm/Spot Combined Freight Rates (\$/mt) -Single-Port Loading/Discharging	
Middle East/Japan	51.1 +0.2 (51.9)

--Figures in brackets are a cumulative monthly average in the current month--



©Pressurized Cargoes			
OFOB South China Spot Prices			
	(\$/mt)		(*Yuan/mt)
***FOB South China	PROPANE/BUTANE	Premiums to Applied CP	PROPANE/BUTANE
Aug 1st-half	+4 413-418 +4	+48/+53 (Aug)	2,842-2,877
Aug 2nd-half	+4 413-418 +4	+48/+53 (Aug)	2,842-2,877

OFOB Southeast Asia Spot Prices (\$/mt)			
**FOB Southeast Asia	PROPANE/BUTANE	Premiums to Applied CP	
Aug 1st-half	+4 413-418 +4	+50/+55 (Aug)	
Aug 2nd-half	+4 413-418 +4	+50/+55 (Aug)	

OCFR Vietnam Spot Prices (\$/mt)			
**CFR Vietnam	PROPANE/BUTANE	Premiums to Applied CP	
Aug 1st-half	+4 453-458 +4	+90/+95 (Aug)	
Aug 2nd-half	+4 453-458 +4	+90/+95 (Aug)	

\*Yuan/mt prices exclude tariff and the value added tax.

\*\* Refers to a propane-to-butane ratio of 30:70.

\*\*\* Refers to a propane-to-butane ratio of 50:50.

OPressurized Freight Rates (\$/mt)		
South China/Bataan	60-65	
South China/ Haiphong	40-43	

©China Domestic Wholesale Prices (Yuan/mt ex-terminal)		
O South China		*Refinery Posted Price
East Guangdong	- 3,200-3,300 -	
Shenzhen	- 3,350-3,370 -	
Guangzhou	- 3,260-3,288 -	- 3,250-3,250 -
Zhuhai	- 3,230-3,250 -	
Western Guangdong	- 3,300-3,350 -	- 3,250-3,250 -
Guangxi	- 3,460-3,480 -	- 3,340-3,340 -
Hainan	3,930-3,950	

O East China		*Refinery Posted Price
Jiangsu	3,310-3,410	3,310-3,380
Shanghai	- 3,340-3,360 -	3,360-3,360 -
Zhejiang	3,390-3,490	4,030-4,030
Fujian	- 3,200-3,300 -	- 3,200-3,430

ONorth China		*Refinery Posted Price
North-East*	3,750-3,850	3,750-4,100 +
South-East**	- 3,500-3,600 -	- 3,500-3,850
Shandong***	- 3,400-3,500 -	- 3,400-4,050 -

\*Refinery posted price of Dagang, Tianjin, Yanshan, Huabei and Cangzhou Refinery

\*\* Refinery posted price of Shijiazhuang, Luoyang and Zhongyuan Refinery

\*\*\* Refinery posted price of Jinan, Qingdao and local Refineries



ONortheast China		*Refinery Posted Price
Dalian*	+ 3,130-3,150 +	+ 3,150-3,150 +
West Liaoning**	+ 3,300-3,400 +	+ 3,300-3,560
Hei Longjiang***	+ 3,830-3,850 +	+ 3,850-3,850 +
* Refinery posted price of Dalian Petrochem and WEPEC		
** Refinery posted price of Jinzhou Petrochem and Jinxi Refinery		
*** Refinery posted price of Daqing Petrochem and Daqing Refinery		

ORim China Domestic Index	
South China	3,323 -
East China	3,361 -

©Contract Prices/Postings (\$/mt)		
	PROPANE	BUTANE
North Sea Jul19	330.50	324.50
Algeria-Sonatrach Jul19	335.00	340.00
Saudi ARAMCO CP Jul19	375.00	355.00

©Calorific Values		
	PROPANE (\$/mt)	BUTANE (\$/mt)
Arabian Light (\$/bbl)	65.42	
LPG Calorific values	536.34	528.98
FOB Spot Cargo prices (Aug)	370.00	360.00
Spot LPG vs AL	69%	68%
*Arabian Light Price is from Rim Crude/Condensate Report		
*Aug Arabian Light premium against Dubai/Oman is \$ 2.45		

©Japan Domestic Spot Prices (Yen/mt)		
OEx-Terminal Barge		
	PROPANE	BUTANE
Tokyo Bay (Keihin)	47,300-48,000	46,900-47,300
Hanshin. Kyushu	47,300-48,000	46,900-47,300

OEx-Terminal Truck		
	PROPANE	BUTANE
Tokyo Bay (Keihin)	47,300-48,000	46,900-47,300
Hanshin	47,300-48,000	46,900-47,300

©Cumulative Monthly Average (Jul 2019) (Yen/mt)		
OEx-Terminal Barge		
	PROPANE	BUTANE
Tokyo Bay (Keihin)	47,728	47,673
Hanshin. Kyushu	47,728	47,673
The Figures above are a cumulative monthly average of JAPAN DOMESTIC SPOT PRICE ASSESSMENTS.		

OEx-Terminal Truck		
	PROPANE	BUTANE
Tokyo Bay (Keihin)	48,125	47,928
Hanshin	48,233	48,225
The Figures above are a cumulative monthly average of JAPAN DOMESTIC SPOT PRICE ASSESSMENTS.		

**OMiddle East Market****Aug spot rises further on expected rise in demand for India and China**

Propane and butane prices for August loading were both assessed at a discount of \$3/mt to a premium of \$3/mt to the August CP on Monday, up \$4/mt from last Friday as buying interest was recovering. Discussion levels for propane and butane for August loading were reported at a discount of \$3/mt to a premium of \$3/mt to the August CP. In the market, one European trader was apparently looking for early August loading from Yanbu and was expected to load the cargo onto "Genesis River". In addition, Japanese importer Gyxis was also seen to have spot demand for a 44,000mt 50:50 cargo for August loading from Yanbu. Nevertheless, as "Genesis River" was originally fixed by Gyxis from Kawasaki Kisen Kaisha as a time-charter and was relet to the European trader at the moment, some sources perceived that actual spot demand for FOB Middle East cargoes might be from only the trader. Apart from that, another European trader was said to have secured a 44,000mt 50:50 cargo for end-August loading at flat to the August CP from Turkish trader BGN but this was confirmed.

Singapore was said to have arrested two Chinese LPG tankers carrying LPG from Iran. Sources perceived that this was due to stricter measures against violation of US economic sanctions against Iran but details were unknown. On the other hand, sources reckoned that more cargoes ex-Iran had been transacted on a CFR China basis from the second-half of last year. Nevertheless, along with strengthening controls, views emerged that shipments of ex-Iran cargoes for China would decline in the coming days. But Iran might ship cargoes directly to China by conducting a ship-to-ship transfer at places other than Singapore. This would enable China to import a certain amount of ex-Iran cargoes in

September eventually. So far, 8-10 ex-Iran cargoes were seen to have been traded on a CFR China basis for August delivery.

Propane and butane prices for September loading were unrevised from last Friday at a discount of \$5/mt to a premium of \$5/mt to the September CP. Some sources began forecasting spot availability for September loading among Middle East gas producers. Saudi Aramco would unlikely hold room to sell spot cargoes for not only August but also September through November loading as an ongoing cut in oil production dragged its LPG inventories below appropriate levels for this time of the year. For September loading, Kuwait Petroleum Co (KPC) and Qatar Petroleum for the Sale of Petroleum Products Company Limited (QPSPP) were expected to have room to sell one and one or two spot cargoes, respectively. Some sources perceived that Abu Dhabi National Oil Company (ADNOC) of the United Arab Emirates would likely supply additional cargoes as an extension of term contracts to a Turkish trader as well as Indian importers, and not sell on a spot basis.

In CP swap, the August propane contract was discussed at \$366-370/mt, up \$2/mt from last Friday. Reflecting this and increasing buying interest in the FOB Middle East market, the expected August CP was revised up to \$370/mt for propane and \$360/mt for butane. Saudi Aramco was scheduled to release the August CP on Tuesday. As of Monday, sources expected the August CP to be at \$370/mt for propane and \$10/mt below propane for butane. There were views that even if the August CP for propane was set at a low level, this would unlikely generate

demand with the onset of a low-demand season in the northern hemisphere.

The September propane contract was discussed at similar levels to August contract. Reflecting this, the expected September CP was revised up to \$370/mt for propane and \$360/mt for butane.

The October propane contract was about \$7/mt above the September contract. Reflecting this, the expected October CP was revised up to \$377/mt for propane and \$367/mt for butane.

## ©CFR Asia Refrigerated Market

### ○Summary

**In the CFR Far East market on Monday, although prices for delivery to Japan weakened due to plentiful supply, prices for delivery to China rose owing to an upward revision of the expected August CP.**

## ○CFR Japan

Propane and butane prices for second-half August delivery retreated by \$3/mt from last Friday to \$391-397/mt and \$382-388/mt respectively. Relative to the August CP, the premium for propane and butane fell by \$7/mt to 21-27/mt and \$22-28/mt respectively.

As talks were almost shifting to September delivery, firm bids and offers for this timing were not heard.

Propane and butane prices for first-half September delivery lost by \$3/mt from last Friday to \$397-398/mt and \$388-389/mt respectively. On the other hand, relative to the September CP, the premium for propane and butane weakened by \$5/mt to \$27-28/mt and \$28-29/mt respectively.

Several sellers had spot availability. One Chinese trader held a 44,000mt propane cargo for first-half August loading from the US and considered reselling the cargo in the market for first-half September delivery to the Far East. Vilma and Oriental Energy offered 23,000mt

propane cargoes at levels equivalent to a premium of \$28-30/mt to the September CP. On the other hand, PetroChina showed a counter-bid for a similar cargo at a level equivalent to a premium of \$26.25/mt to the September CP.

Propane and butane prices for second-half September delivery declined by \$3/mt from last Friday to \$403-405/mt and \$394-396/mt respectively. Relative to the September CP, the premium for propane and butane decreased by \$5/mt to \$33-35/mt and \$34-36/mt respectively.

In CFR Far East propane swaps on Monday, the July and the August contracts were discussed at \$396-398/mt and \$398-400/mt respectively, down \$3/mt from last Friday. The September contract was discussed at \$404-406/mt, down \$2/mt.

Open-spec naphtha prices for first-half September delivery were discussed at \$502.25-502.75/mt on Monday, down \$2.50/mt from last Friday.

## ○CFR China



Propane and butane prices for second-half August delivery to South China extended gains by \$4/mt from last Friday to \$415-425/mt and \$405-415/mt respectively. Relative to the August CP, the premium for propane and butane were unchanged at \$45-55/mt.

Propane and butane prices for first-half September delivery to South China rose by \$2/mt from last Friday to \$420-427/mt and \$410-417/mt respectively. Relative to the September CP, the premium for propane and butane leveled off at \$50-57/mt.

Propane and butane prices for second-half August delivery to East China strengthened by 4/mt from last Friday to \$422-432/mt and \$412-422/mt respectively. Relative to the August CP, the premium for propane and butane was unrevised at \$52-62/mt.

Propane and butane prices for first-half September delivery to East China gained by

\$2/mt from last Friday to \$427-434/mt and \$417-424/mt respectively. Relative to the September CP, the premium for propane and butane remained stable at \$57-64/mt.

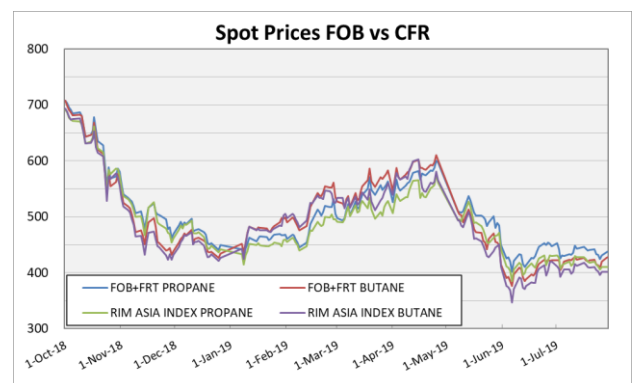
Although talks for August delivery were almost finished, for September delivery, buyers and sellers seemed to currently take a wait-and-see stance. Nevertheless, according to sources, buying interest for September delivery from Chinese importers might be stronger than that for August delivery. This was because LPG demand in China was likely to improve in September onward after the low demand summer season passed. In addition, buyers that did not buy or decreased their purchase amount for August delivery were expected to be keen on procuring September delivery.

The differential in freight costs between East China and South China was said to be at around \$7/mt.

## ORim Asia Index

The Rim Asia Index on Monday was at \$410.50/mt for propane and \$401.00/mt for butane, unchanged from last Friday.

\*The Rim Asia Index is a reflection of the CFR Far East spot market and is calculated based on the average of Japan Index and China Index. The front line for both CFR Japan and CFR China changes every 1st and 16th of the month.



## OOthers

A buy tender issued by Pertamina closed on Jul 29 with offers valid until Jul 30, both local times. Through the tender, Pertamina was looking for a

44,000mt 50:50 cargo to be delivered to Indonesia during Sep 10-14.



## ©US/NWE Markets

**Gyxis bought Aug loading propane cargo ex-freeport**

FOB US Gulf Coast (USGC) propane prices for August and September loading posted no change at \$285-290/mt and \$292-297/mt respectively on Monday. Meanwhile, relative to Mont Belvieu quotations, the premium for August and September loading was up by 0.75cts/gallon to 5.75-6.75cts/gallon owing to perceptions of increasing demand.

According to sources, with the spread between the CFR Far East market and US Mont Belvieu quotations widening, some buyers were expected to consider purchasing spot cargoes from the USGC. Further, some sources pointed out that weakness in the current freight market also boosted buying interest. According to several sources, Gyxis had bought a 44,000mt propane cargo for Aug 16-17 loading from Freeport from one US supplier at a premium of 6.25cts/gallon to August Mont Belvieu quotations last week. Some sources perceived that current discussions were also at this level.

**Far East Arrival Cost of USGC Spot Cargoes**

Aug MB	+	Premium*	+	Frts	=	CFR Cost
255	+	33	+	105	=	393

CFR Japan Sep 1st-half	=	397.50
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Unit:\$/mt	ARBITRAGE:OPEN
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*Premium: Propane 6.25 cts/gal
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In the USGC ex-pipeline market last Friday, propane prices were steady at \$254/mt while butane prices fell by \$4/mt from a day earlier to \$188/mt due to increasing supply.

In the CIF ARA market last Friday, propane prices held intact in the high \$300's/mt. Meanwhile, butane prices dropped by \$2/mt from the previous day to the high \$320's/mt, weighed down by slack supply/demand.

Enterprise expanded its production capacity but its storage capacity was not seen to be enough. Thus, some sources said that Enterprise was actively moving on spot sales. Enterprise was reported to sell July lifting propane cargoes at relatively lower prices than other suppliers in the USGC ex-pipeline market.

With CFR Japan prices for first-half September delivery at \$397.50/mt for propane and USGC Far East freight rates seen to be \$104-106/mt, the netback from CFR Japan to FOB USGC was about \$292.50/mt (or 56.14cts/gallon). August Mont Belvieu swaps were around 49.00cts/gallon. Therefore, relative to Mont Belvieu quotations, FOB USGC prices for cargoes for August loading had to be a premium of 7.14cts/gallon to Mont Belvieu quotations or lower in order for the arbitrage from the US Gulf Coast to Japan to be open.

**Far East Arrival Cost of USGC Term Cargoes**

Aug MB	+	Terminal Cost*	+	Frts	=	CFR Cost
255	+	73	+	105	=	433

CFR Japan Sep 1st-half	=	397.50
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Unit:\$/mt	ARBITRAGE:CLOSED
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*USGC Terminal Cost: Propane 14 cts/gal
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WTI crude futures on the NYMEX extended gains last Friday. The front-month September contract ended at \$56.20 per barrel (bbl), up 18cts from the previous day. The contract was 2cts lower than one week ago.

The US Department of Commerce announced on Friday that the US GDP growth in April-June 2019 was at an annualized rate of 2.1%. The growth rate was stronger than expected, which eased concerns over a US economic slowdown and triggered buying in the crude oil futures. Meanwhile, US oil

field services company Baker Hughes said that US drillers decreased 3 oil rigs in the week to Jul 26, bringing the total count to 776. The rig count fell for a fourth straight week, which raised prospects over tightening supply/demand fundamentals, which was also regarded as a bullish factor.

But the price gains were limited. The dollar raised against the euro, making prices of dollar-base commodities like crude oil overvalued.

North Sea Brent crude futures on the ICE advanced slightly. The September contract ended at \$63.46/bbl, up 7cts from the previous day. The contract was 20cts higher than one week ago.

### ©LPG Cargoes from West of Suez to Far East

LPG Cargo from West of Suez to Far East -- From the US & Canada

Loading	Place	Player	Vsl name	Qty	C3	C4
02-Aug-19	Nederland	Korean Petrochem	EIGER EXPLORER	44	NA	NA
31-Jul-19	Freeport	Euro Trader	BW LEO	44	44	0
29-Jul-19	USGC	Chinese	BW TOKYO	44	44	0
28-Jul-19	USGC	Euro Major	FRITZI N	44	44	0
22-Jul-19	USGC	Korean	TBN	44	NA	NA
22-Jul-19	USGC	Japanese	COUGAR	44	44	0
22-Jul-19	USGC	US Chemicals	COBRA	44	44	0
22-Jul-19	Ridley island	Japanese	BERGE NANGTON	44	44	0
15-Jul-19	USGC	Turkish trader	CHALLENGER	44	44	0
15-Jul-19	Ferndale	Canadian	BW KYOTO	44	22	22
14-Jul-19	USGC	Japanese	ASTOMOS VENUS	44	NA	NA
12-Jul-19	Nederland	NA	HISUI	44	44	0
09-Jul-19	Marcus Hook	NA	LAUREL PRIME	44	44	0
08-Jul-19	Nederland	NA	HELLAS SPARTA	44	22	22
07-Jul-19	USGC	Euro Major	BW NJORD	44	44	0
05-Jul-19	Ridley island	NA	MAPLEGAS	44	44	0
02-Jul-19	Marcus Hook	Euro Major	BW MESSINA	44	44	0
01-Jul-19	Nederland	NA	VEGA SEA	44	44	0
01-Jul-19	USGC	British Major	VIVIT FORNAX	44	44	0
01-Jul-19	Ferndale	Canadian	BW PINE	44	22	22
30-Jun-19	USGC	Euro Trader	BW CARINA	44	22	22
29-Jun-19	Freeport	US Trader	CLIPPER POSH	44	33	11
28-Jun-19	USGC	Korean	MATTERHORN EXPLORER	44	44	0
27-Jun-19	Nederland	NA	BW LIBRA	44	22	22
24-Jun-19	Freeport	US Trader	HELLAS GLADIATOR	44	22	22
24-Jun-19	USGC	Euro Trader	GAS STAR	44	44	0
22-Jun-19	USGC	Euro Trader	UMM LAQHAB	44	44	0
21-Jun-19	Ferndale	British Major	BW SAKURA	44	22	22
21-Jun-19	USGC	Japanese	DORAJI GAS	44	33	11
20-Jun-19	Ridley island	NA	SUMIRE GAS	44	44	0
19-Jun-19	Marcus Hook	NA	MUSANAH	44	44	0
19-Jun-19	USGC	Japanese	GAS WISDOM	44	44	0
18-Jun-19	Freeport	N.Sea Producer	BW LORD	44	44	0
17-Jun-19	USGC	US Supplier	GAS LEO	44	33	11
17-Jun-19	Marcus Hook	NA	AQUAMARINE PROGRESS	44	44	0
16-Jun-19	Nederland	NA	SEA BIRD	44	22	22
16-Jun-19	USGC	Euro Trader	CORSAIR	44	44	0
14-Jun-19	USGC	Euro Trader	VENUS GLORY	44	44	0
13-Jun-19	USGC	Euro Trader	SUNNY JOY	44	44	0
13-Jun-19	USGC	Korean	G. DOLCE	44	22	22
10-Jun-19	Ferndale	Canadian	BW KYOTO	44	22	22
10-Jun-19	USGC	Chinese	CLIPPER SUN	44	44	0
10-Jun-19	Nederland	Korean Petrochem	HELLAS FOS	44	22	22



09-Jun-19	USGC	Euro Trader	AVANCE	44	44	0
09-Jun-19	USGC	Japanese	LEGEND PROSPERITY	44	44	0
08-Jun-19	USGC	Euro Trader	GAS POWER	44	22	22
08-Jun-19	Freeport	US Trader	CONSTITUTION	44	44	0
06-Jun-19	Marcus Hook	British Major	PYXIS ALFA	44	44	0
04-Jun-19	USGC	Turkish trader	G. SPIRIT	44	22	22
04-Jun-19	USGC	Northern Euro trader	BERGE NANTONG	44	44	0
04-Jun-19	Freeport	US Trader	YUHSAN	44	44	0
03-Jun-19	USGC	Euro Trader	PROVIDENCE	44	22	22
01-Jun-19	USGC	US Supplier	CRYSTAL SUNRISE	44	22	22
01-Jun-19	USGC	Euro Trader	BW MINDORO	44	22	22
01-Jun-19	Ridley island	NA	MAPLEGAS	44	44	0

## LPG Cargo from West of Suez to East -- From African Countries

Loading	Place	Player	Vsl name	Qty	C3	C4
28-Jul-19	Soyo	British Major	BW TRADER	44	22	22
15-Jul-19	Soyo	Euro Trader	CORVETTE	44	22	22
05-Jul-19	Bonny	US Major	BW MAGELLAN	44	22	22
28-Jun-19	Escravos	Chinese	HELLAS GLORY	44	22	22
18-Jun-19	Escravos	NA	BW THOR	44	22	22
05-Jun-19	Bonny	Euro Trader	CONSTELLATION	44	22	22
04-Jun-19	Soyo	Northern Euro trader	CLERMONT	44	22	22
01-Jun-19	Sanha	NA	BW BALDER	44	22	22

## LPG Cargo from Australia to Far East

Loading	Place	Player	Vsl name	Qty	C3	C4
27-Jul-19	Dampier	Euro Major	G. PARAGON	44	NA	NA
26-Jul-19	Darwin	Euro Trader	COPERNICUS	44	NA	NA
05-Jul-19	Darwin	NA	LETO PROVIDENCE	44	22	22
30-Jun-19	Darwin	NA	KODAIJISAN	44	22	22
22-Jun-19	Dampier	Australian Mining	BERGE NINGBO	44	22	22
15-Jun-19	Port Bonython	NA	GUS SUMMIT	44	22	22
15-Jun-19	Bayu Undan	Japanese	CRYSTAL MARINE	44	22	22
08-Jun-19	Westernport	NA	CHINOOK	44	22	22

**©VLGC Freight Market (Single-Port Loading/Discharging)****For USGC-Far East, vessels to be relet offered at \$106**

Freight rates for Middle East-Far East were steady at \$67-69/mt on Monday. Discussion levels were reported in the high \$60's/mt. Nevertheless, some sources expected that the freight rates might decrease this week due to slack supply/demand of vessels.

Several vessels were seen to have been concluded last week. One European trader seemed to have chartered "Monsoon" for Aug 3 loading from Yanbu. The price was said to be equivalent to \$70/mt on a Ras Tanura-Chiba basis. For discharge in India, one Indian importer was

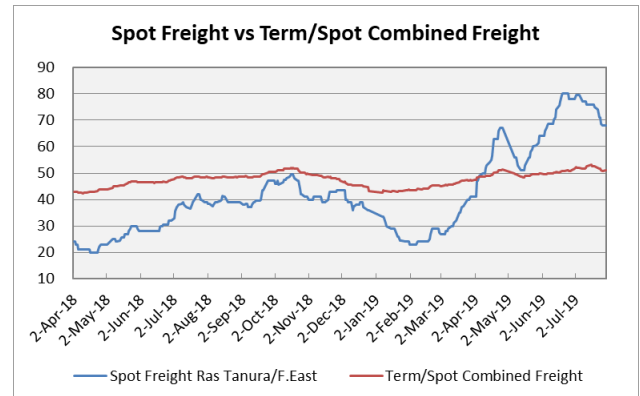
reported to have fixed "Oriental Jubilee" for Jul 30-31 loading at a lumpsum of \$2.75mil on a one-port loading and two-port discharge basis.

Freight rates for USGC-Far East via Panama were unrevised at \$104-106/mt. Talks for this route were heard at around \$105/mt. Traders that had available vessels to be relet were apparently offering at \$106/mt. In addition, shipowners were reported to indicate offers at \$107-108/mt. One Korean importer seemed to have chartered "Promise" for Aug 24-25 loading last week. The

price was seen to be equivalent to \$107/mt on a Houston-Chiba basis via Panama.

Term/spot-combined freight for Middle East-Japan(\*) was assessed at \$51.1/mt on Monday, up \$0.2/mt from last Friday owing to an increase in bunker costs.

\*Term/Spot Combined Freight is assessed based on a weighted average of the overall term charter costs and the spot charter costs.



### ©Pressurized Cargoes

#### ○FOB South China Prices

#### Refrigerated cargo importer has thin interest in spot sales

FOB South China prices for August loading rose by \$4/mt from last Friday to \$413-418/mt due to an upward revision of the expected August CP. Relative to the August CP, the premium was steady at \$48-53/mt. Ahead of the release of the August CP on Jul 30, buyers and sellers

apparently took a wait-and-see stance. One refrigerated cargo importer from South China did not receive buying inquiries for August loading from customers. On the other hand, the refrigerated cargo importer focused on term supply and was not keen on spot sales.

#### ○FOB Southeast Asia Prices

#### Firm bids and offers not heard

FOB Southeast Asia prices for cargoes of propane/butane ratio 30:70 for August loading strengthened by \$4/mt from last Friday to \$413-418/mt owing to an upward revision of the

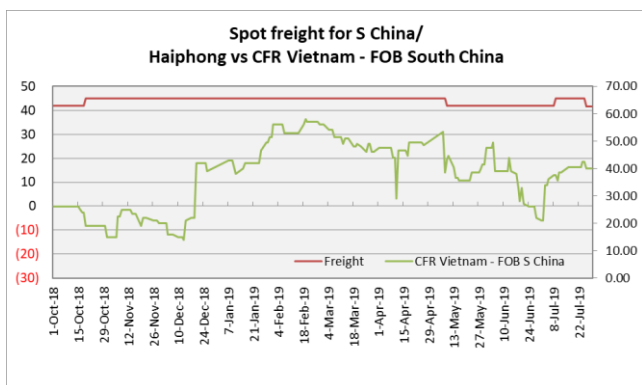
expected August CP. Relative to the August CP, the premium held intact at \$50-55/mt. Active players were hardly seen in the market. Firm bids and offers were not heard.

#### ○CFR Vietnam Prices

#### Domestic sales become dull in Vietnam

CFR Vietnam prices for August delivery rose by \$4/mt from last Friday to \$453-458/mt due to an upward revision of the expected August CP. Relative to the August CP, the premium was unchanged at \$90-95/mt. Some sources reckoned that domestic sales were dull in Vietnam. With expectations that the August CP might be unlikely to be above the July CP, domestic players seemed

to have thin interest in buying LPG on a July CP basis. Nevertheless, Vietnamese importers reportedly decreased term quantities and saw their inventories fall.



## ◎Pressurized Freight

### Freight rates remain stable

Freight rates for South China-Bataan and South China-Haiphong were assessed at \$60-65/mt and \$40-43/mt respectively on Monday, unchanged from last Friday.

## ◎China Domestic Wholesale Market

### ○South China

#### Summary

Prices in most areas dropped on Monday, weighed down by lackluster sales.

Region	Price	Discount	Actual	up/down	Remarks
<b>East Guangdong :</b>	<b>3,200</b>	<b>3,300</b>	<b>-50</b>		
Supplier	3,300			-40	sluggish sales
Supplier	3,300			-40	sluggish sales, receives a refrigerated cargo in second-half of the month
Pressurized importer	3,300			-40	sluggish sales
Pressurized importer	3,200			-60	sluggish sales
Pressurized importer	3,200			-60	sluggish sales
Pressurized importer	3,300			-40	sluggish sales
<b>Shenzhen :</b>	<b>3,350</b>	<b>3,370</b>	<b>-80</b>		
Supplier	3,370			-80	sluggish sales
Wholesaler	3,370			-80	sluggish sales
<b>Guangzhou :</b>	<b>3,260</b>	<b>3,288</b>	<b>-111</b>		
Guangzhou refinery	3,250		3,288	-100	sluggish sales, loading costs of Yuan 38/mt
Supplier	3,350	90	3,260	-130	sluggish sales
Pressurized importer	3,260			-120	sluggish sales
Wholesaler	3,260			-120	sluggish sales
<b>Zhuhai :</b>	<b>3,230</b>	<b>3,250</b>	<b>-150</b>		
Price	3,250				Remarks

Supplier	3,600	350	3,250	-150	sluggish sales, received a refrigerated cargo on Jul 29
Supplier	3,350	100	3,250	-150	sluggish sales
Wholesaler	3,250			-150	sluggish sales

<b>Western Guangdong :</b>	<b>3,300</b>	<b>3,350</b>	<b>-95</b>		
	Price	Discount	Actual	up/down	Remarks
Maoming refinery	3,250		3,300	-100	a markdown by Guangzhou refinery, loading costs of Yuan 50/mt
Pressurized importer	3,350			-90	weakness in the neighboring markets

<b>Guangxi :</b>	<b>3,460</b>	<b>3,480</b>	<b>-100</b>		
	Price	Discount	Actual	up/down	Remarks
Qinzhou refinery	3,340			-100	weakness in the neighboring markets, limited truck delivery
Supplier	3,480			-100	weakness in the neighboring markets, receives a refrigerated cargo in second-half of the month
Supplier	3,480			-100	weakness in the neighboring markets

<b>Hainan :</b>	<b>3,930</b>	<b>3,950</b>	<b>0</b>		
	Price	Discount	Actual	up/down	Remarks
Wholesaler	3,950			0	

## East China

### Summary

Prices in Shanghai and Fujian fell on Monday due to sluggish sales.

<b>Jiangsu :</b>	<b>3,310</b>	<b>3,410</b>	<b>0</b>		
	Price	Discount	Actual	up/down	Remarks
Yangzi refinery	3,380			0	
Jinling refinery	3,310			0	
Supplier	3,450			0	receives a refrigerated cargo in second-half of the month

<b>Shanghai :</b>	<b>3,340</b>	<b>3,360</b>	<b>-45</b>		
	Price	Discount	Actual	up/down	Remarks
Jinshan refinery	3,360			0	
Gaoqiao refinery	3,360			-70	sluggish sales

<b>Zhejiang :</b>	<b>3,390</b>	<b>3,490</b>	<b>0</b>		
	Price	Discount	Actual	up/down	Remarks
Zhenhai refinery	4,030			0	with some discounts
Supplier	3,500			0	
Supplier	3,450			0	receives a refrigerated cargo in second-half of the month
Pressurized importer	3,390			0	

Fujian :		3,200	3,300	-60	
	Price	Discount	Actual	up/down	Remarks
Fujian refinery	3,430			0	
Quanzhou refinery	3,200			-150	sluggish sales
Supplier	3,270			-80	sluggish sales
Petchem user					stopped sales due to maintenance
Pressurized importer	3,200			-60	sluggish sales

## ○North China

### Summary

Prices in most areas fell on Monday due to sluggish sales.

North-East :		3,750	3,850	0	
	Price	Discount	Actual	up/down	Remarks
Dagang	4,100			+50	strong crude prices
Huabei oilfield	4,050			0	
Tianjing					stopped spot sales due to petrochemical use in its plant
Yanshan	3,750			0	
Cangzhou	3,750			0	

South-East :		3,500	3,600	-100	
	Price	Discount	Actual	up/down	Remarks
Shijiazhuang	3,850			0	
Luoyang	3,500			-100	sluggish sales
Zhongyuan oilfield					stopped LPG spot sales

Shandong :		3,400	3,500	-150	
	Price	Discount	Actual	up/down	Remarks
Jinan	4,050			-50	sluggish sales
Qingdao					conducting maintenance until first-half August
Shenghua	3,400			-150	sluggish sales

## ○Northeast China

### Summary

Prices rose on Monday due to strong crude prices.

Dalian :		3,130	3,150	+100	
	Price	Discount	Actual	up/down	Remarks
WEPEC	3,150			+100	strong crude prices
Dalian Petrochemical	3,150			+100	strong crude prices

West Liaoning :		3,300	3,400	+60	
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	Price	Discount	Actual	up/down	Remarks
Jinzhou Petrochemical	3,560			0	
Jinxi Petrochemical	3,300			+60	strong crude prices

Hei Longjiang :	3,830	3,850	+50		
	Price	Discount	Actual	up/down	Remarks
Daqing Petrochemical					stopped spot sales due to petrochemical use in its plant
Daqing refinery	3,850			+50	strong crude prices

## ◎Japan Domestic Market

### ○Barge

#### Dealer has thin interest in buying Aug lifting

Propane and butane prices for August lifting held intact at Yen 47,300-48,000/mt and Yen 46,900-47,300/mt respectively on Monday. Active buyers were currently not observed in the market. In fact, one dealer was trying to check its sales situation and had thin interest in entering discussions. This was because increasing temperatures were expected to cause propane demand for water heating to fall in August.

For July lifting, several importers had apparently offered propane and butane in the low Yen 47,000's/mt through the Yen 50,000's/mt. On the other hand, one buyer could cover its demand with inventories on hand for the time being and did not purchase July lifting.

#### <EXPECTED CIF JAPAN VALUES (IN YEN/MT)>

	Aug	Jul	Jun	May*
PROPANE	44,700	48,800	58,000	58,563
BUTANE	43,500	47,300	58,100	65,325

The figures above are RIM's expected CIF values for each grade.

\*The figures are preliminary CIF values, announced by the Japanese Ministry of Finance.

#### <ESTIMATED END-MONTH STOCKS (IN KT)>

	Aug	Jul	Jun*	May*
PROPANE/BUTANE	1,600 (+0.8%)	1,450 (+5.4%)	1,442 (+1.3%)	1,285 (-6.1%)

\*The figures are actual inventories, announced by the Japanese LP Gas Association. Figures in brackets are year-on-year changes.

### ○Truck

#### Dealers consider reselling at around Yen 48,000 for propane and in low Yen 47,000's for butane

##### Keihin

Propane and butane for August lifting were unchanged from last Friday at Yen 47,300-48,000/mt and Yen 46,900-47,300/mt respectively on Monday. Several sellers were seen in the market.

Dealers that had term cargoes at relatively low prices were reportedly keen on reselling at about Yen 48,000/mt for propane and in the low Yen 47,000's/mt for butane. Meanwhile, one dealer offered at Yen 49,000/mt for propane and at Yen

48,000/mt for butane. The dealer, considering spot supply levels from importers, had thin interest in lowering its offers. Actually, one importer continued offering in the mid Yen 48,000's/mt for propane and in the mid Yen 47,000's/mt for butane.

As for demand, active buyers were hardly seen. One buyer had room to purchase spot butane lots of 100-200mt but skipped spot procurement before the release of the August CP. Considering that importers had lowered their spot supply prices for July lifting in the second half of this month, some sources pointed out that, for August lifting, the same situation might occur from mid-August. Thus, sources perceived that buyers focused on checking market directions and had scant interest in spot purchase.

### Hanshin

Propane and butane prices for August lifting leveled off at Yen 47,300-48,000/mt and Yen 46,900-47,300/mt respectively. One importer could sell spot lots at Yen 48,500/mt for propane and at Yen 47,500/mt for butane.

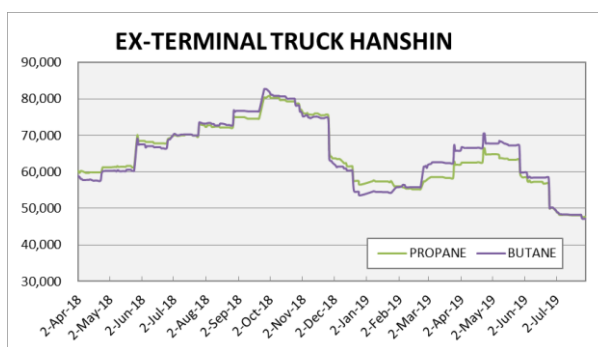
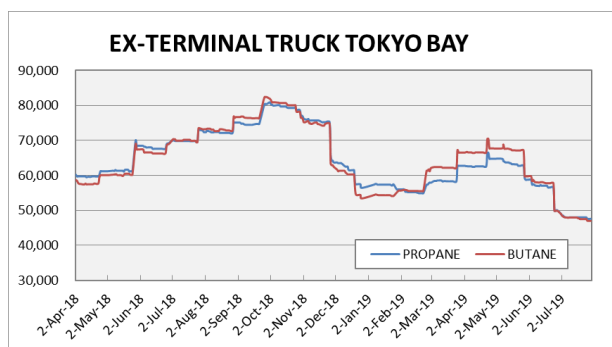
### Other regions

In Chukyo, offers among dealers were reported at slight below Yen 48,000/mt for propane and butane. Meanwhile, although the quantity was limited to 50mt, one importer seemed to offer at Yen 46,700/mt for propane and at Yen 47,200/mt for butane. One buyer was keen on procuring propane spot lots at this level after the release of the August CP. Further, another importer was apparently offering at Yen 48,200-48,500/mt for propane and at Yen 47,200-47,600/mt for butane.

Estimation of term prices (Yen/mt)

Aug		Jul		Jun	
Propane	Butane	Propane	Butane	Propane	Butane
39,722	39,047	40,906	42,011	49,827	52,381

Note; Propane prices were based on an average price of the previous and current month's CP combined with Mont Belvieu quotations for the previous month



<http://www.asia-energylinks.com/method/method.html>

Refrigerated LPG Tenders										
Company	B/S	Cargo		Basis	Timing	Date of		Price/mt		Result
		C3	C4			close	valid	C3	C4	
Pertamina	buy	22	22	CFR	Sep 10-14	29-Jul	30-Jul			
FPCC	buy	44	0	DES	Sep 10	25-Jul	25-Jul	Sep Naptha Quate - high \$80s		awarded
Pertamina	buy	22	22	CFR	Sep 10-12	23-Jul	24-Jul	Sep CP + 45		awarded
Asia Chemicals	buy	22-44	0	CFR	Aug 28-31	22-Jul	23-Jul	Aug CP + low \$60s		awarded
Ningbo Haiyue	buy	23	0	CFR	Aug 20-31	18-Jul		Aug CP + \$60s		awarded
KPC	sell	22	22	FOB	Aug 13-14	16-Jul	16-Jul			awarded
Sonangol	sell	22	22	FOB	Aug 18-20	11-Jul				
NLNG	sell	22	22	FOB	Aug 2-4	11-Jul				awarded
FPCC	buy	22+0 or 44+0 / month		DES	Oct 2019 - Sep 2020	12-Jul	17-Jul	Naphtha Quate - around 70		awarded
KPC	sell	11	33	FOB	Aug 11-12	11-Jul	11-Jul			canceled
FPCC	buy	11	11	DES	Aug 10-20	10-Jul	10-Jul	Aug Naptha Quate - mid \$100s		awarded
Chinagas	buy	33+11 or 22+22 / month		CFR	Oct 2019 - Jun 2020	10-Jul	12-Jul	CFR Far East quotations + \$10s		awarded
QSPSP	sell	45	0	FOB	Jul 31 - Aug 2 loading	8-Jul	9-Jul	Aug CP - high single to mid 10s		awarded
KPC	sell	(22+22) x 3		FOB	Jul 30-31, Aug 25-26 and Sep 15-19	3-Jul	3-Jul	CP - high single discount		awarded
Pertamina	buy	33	11	CFR	Aug 9-11	1-Jul	2-Jul			canceled
FPCC	buy	44	0	DES	Aug 1-10	27-Jun	27-Jun	Aug Naptha Quate - ard \$80		awarded
Pertamina	buy	33	11	CFR	Aug 9-11	25-Jun	26-Jun			canceled
JG Summit	buy	10	0	DAP	Jul 25-31	27-Jun	28-Jun			
FPCC	buy	11	11	DES	Jul 16-20	20-Jun	20-Jun	Jul Naptha Quate - mid \$80s		awarded
Asia Chemicals	buy	10 - 44	0	CFR	Jul 24-26	17-Jun	17-Jun	Jul CP + high \$50s to low \$60s		awarded
Juzhengyuan	buy	pure propane x 2 cargoes		CFR	Jul h2 & Aug h1	17-Jun	21-Jun			awarded
QSPSP	sell	45	0	FOB/CFR	Jul 7-9 loading	17-Jun	18-Jun	Jul CP - low-mid single		awarded
Ningbo Haiyue	buy	23	0	CFR	Jul 1-15	6-Jun	6-Jun	Jul CP + low \$50s		awarded
Pertamina	buy	(22+22) x 2 / month		CFR	Jan-Dec 2020	13-Jun	12-Jul			
Pertamina	buy	(22+22) x 2-4 / month		CFR/FOB	Jan 2020 - Dec 2024	13-Jun	12-Jul			

### Market News

Following news stories were originally published on Rim Asia Energy Links, the real-time news service at <https://www.rim-intelligence.co.jp/cgi-bin/e/index.cgi>

### US oil/gas operating rig count down 0.8% on week

The number of active rigs exploring for oil and natural gas in the US during the week to Jul 26, was at 945, down 0.8% from the previous week, according to a report released last Friday by US oil service company Baker Hughes Inc.

	Jul 26	Jul 19	on year
Oil	776	779	861
Gas	169	174	186
Total	945	953	1,047

### Japan end June LPG stocks up1.3% on year

Stocks of liquefied petroleum gas (LPG) in Japan at the end of June were roughly 1.44mil metric tons (mt), up 1.3% on year according to the most recent data released by the Japan LP Gas Association. Running stocks at import terminals were at 206,000mt for propane and 137,000mt for butane, up 6.2% and 13.2% respectively, from June 2018. Meanwhile, propane imports in June reached 722,000mt for propane, up 4.6% from the same month a year earlier while butane imports were up 11.4% at 127,000mt.

	PROPANE		BUTANE		TOTAL	
	Jun-19	Jun-18	Jun-19	Jun-18	Jun-19	Jun-18
RUNNING STOCKS	144	131	124	96	268	227
STOCKPILES	649	740	368	401	1,017	1,141
STARTING STOCKS	793	871	492	497	1,285	1,368
REFINERY	82	78	62	54	144	132
PETOCHEM	21	22	12	7	33	29
IMPORT	722	690	127	114	849	804
INPUT TOTAL	825	790	201	175	1,026	965



DOMESTIC SALES	655	717	180	148	835	865
POWER USE	0	0	0	0	0	0
OTHER	0	0	34	45	34	45
EXPORT	0	0	0	0	0	0
OUTPUT TOTAL	655	717	214	193	869	910
RUNNING STOCKS	206	194	137	121	343	315
STOCKPILES	757	750	342	358	1,099	1,108
ENDING STOCKS	963	944	479	479	1,442	1,423

source:Japan LP Gas Association

Unit: kt

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