



Weekly Gas Bulletin

Week Reporting: 13 – 17 February 2023

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LNG World News

- Europe and Asia LNG spot prices are expected to go down further until summer ends, but it will rebound to USD20-25/MMBtu by winter, lower than last year.
- Buyers particularly in North Asia and Europe are keeping high inventory level since late year due to uncertain ongoing tension in Ukraine; gas delivery suspension by the Russian in Eastern Europe; and expectation of a mild incoming winter.
- More long term contracts expected to be sealed for India and China buyers

Home Gas News

- Petronas Gas Berhad has organized a one day session of "Access Arrangement (AA) Amendment Workshop" in Putrajaya last Tuesday, 14th February 2023. The session was attended by selected local natural gas shippers, according to an anonymous source.
- The session detailed out the possible amendments to the existing AA to coincide with Third Party Access (TPA) implementation for natural gas supplies in Malaysia. However, no details are available.

LNG Freight Chartering Cost (USD/MMBtu) 13-17 February 2023

Export Regions	Japan/Korea	China/Taiwan	West India	Southwest Europe	Northwest Europe	RGT M'cca
Qatar	1.45	1.27	0.36	1.52	1.75	1.09
Bintulu	0.67	0.41	0.79	-	-	0.15
Singapore	0.71	0.41	0.59	-	-	0.11
M'cca	0.82	0.52	-	-	-	-

Source: Trader/Market

GLOBAL HIGHLIGHTS – LNG & Natural Gas

Snapshot (as of 17th February 2023)

Asia Pacific/India

- LNG spot prices in Asia are declining amid the two prongs of winter demand in Europe and China for the fuel used to generate electricity and heat homes. High inventory levels have also contributed to the declining spot prices.
- Spot's March and April deliveries dropped to USD17/MMBtu and USD16.50/MMBtu respectively since last week. This is the weakest since August 2021 and down 76% from the record of USD70.50/MMBtu reached in the week of August 26th last year.
- China has taken lower spot cargoes since price had rocketed in the wake of Russian invasion over Ukraine, culminating a record high on August 26th.
- India total spot import for January 23 was below 1.46 MT which is slightly up from December's 1.33 MT and in seeking long term supply, Petronet (India) is currently negotiating with Qatar Energy and Gorgon Australia for the supply of 1 MTPA and 0.6 MTPA respectively. Current spot rate to India is USD17-16/MMBtu which long term price could lower the rate to USD13-12/MMBtu, while GAIL (India) is in the same position with Russia's largest producer, Novotek with undisclosed details.
- Bangladesh is also negotiating with Brunei LNG for the supply of 10-12 cargoes on long term supply and more spots are currently being sourced.
- PTT Thailand had closed its tender for March and April delivery last week and more spots are expected to be procured.

(Sources: Reuters 3rd, 6th, 10th, 13th February 23, Platts News, & Global Insight Weekly)

Europe

- European traders are confident that shall be no supply shortages until this winter hence with the first shipment of freeport LNG export facility in America since export halted in June 2022 has caused Europe's gas prices to drop to the lowest level since September 2021.
- TTF price, Europe benchmark, is down by 4% to USD54.50 (51 Euros) MW/h midday in Amsterdam on Monday, 13th February 2023.
- The UK's wholesale gas price also dropped on expected stronger wind power generation on Tuesday, 14th February 2023.
- In Germany, gas supply is stable as reported by *Bundesnetzagentur*, gas supply operator grid in Hamburg with high storage level of 73.08%.
- Weather forecast suggests temperature will be higher than seasonal changes averages in the UK and northwestern Europe this week which also means lower demand for heating and power generation from natural gas.

(Sources: Market Insider, 14th February 2023)

GLOBAL HIGHLIGHTS – LNG & Natural Gas Outlook as of 17th February 2023

Global Gas Future Price

Month 2023	JKM Platts Future		TTF Natural Gas Future		CME HH Future	
	USD/ MMBtu	RM/ MMBtu	USD/ MMBtu	RM/ MMBtu	USD/ MMBtu	RM/ MMBtu
Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	17.88	79.18	16.30	70.94	2.41	10.42
Apr	15.69	69.31	16.43	71.36	2.51	10.93
May	15.94	70.27	16.56	71.79	2.657	11.56
June	16.45	72.37	16.71	72.26	2.283	9.92
July	16.49	72.34	16.80	72.50	-	-
Aug	17.28	75.69	16.96	73.05	-	-
Sep	17.88	78.32	17.16	73.90	3.052	13.17
Oct	17.90	78.41	17.82	76.75	3.123	13.45
Nov	19.62	85.48	19.04	81.56	-	-
Dec	20.54	89.49	19.57	83.80	-	-

Source: ICE Energy Report , CME Group Market Data

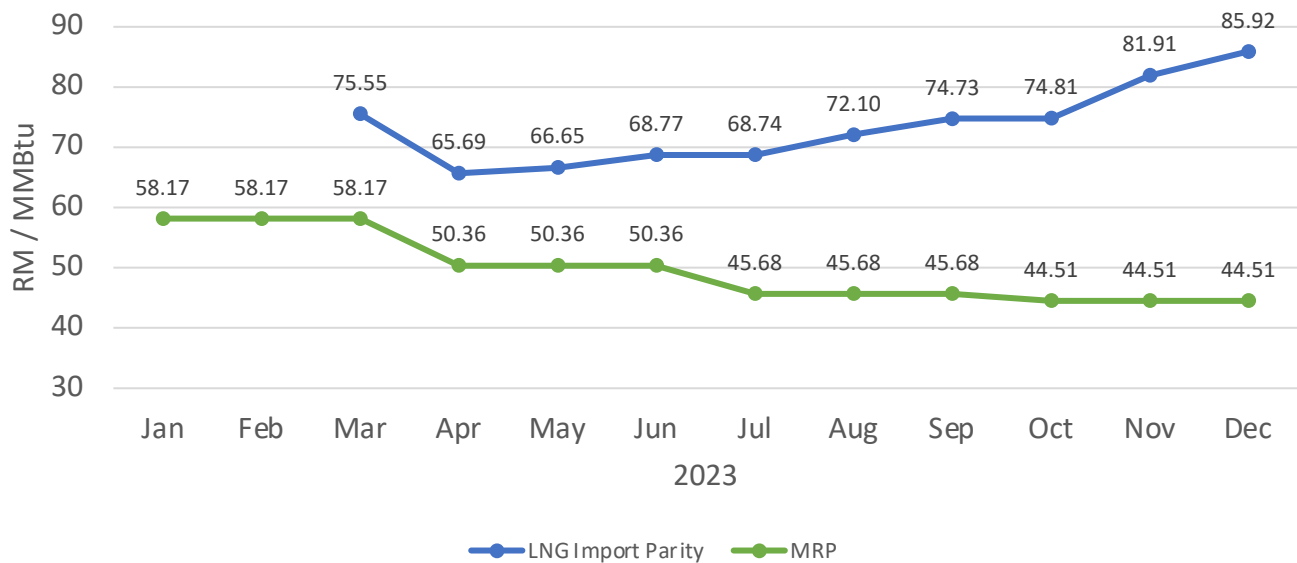
Global Crude Future Benchmark Snapshots in RM per MMBtu

Month	Brent NYMEX	WTI (NYMEX)	JCC (ICE)
Jan	65.24	-	-
Feb	63.35	-	-
Mar	65.21	60.53	66.96
Apr	65.61	60.59	67.08
May	65.19	60.61	66.31
June	64.62	60.46	65.52
July	64.14	60.10	64.81
Aug	63.75	59.73	64.19
Sep	63.37	59.42	63.77
Oct	62.22	59.07	63.39
Nov	62.27	58.44	62.68
Dec	61.89	0.00	62.32

Source: CME Group Market Data, ICE Energy Report

LOCAL HIGHLIGHTS – Domestic Forecast for MRP & LNG Import Parity as at 17th February 2023

LNG Import Parity Forecast into Malacca vs MRP Forecast



Source: AGH Market Analysis

Domestic Gas Price Forecast

Month	LNG Import Parity Forecast into Malacca (RM/MMBtu)	MRP Forecast (RM/MMBtu)
Jan		58.17
Feb		58.17
Mar	75.55	58.17
Apr	65.69	50.36
May	66.65	50.36
June	68.77	50.36
July	68.74	45.68
Aug	72.10	45.68
Sep	74.73	45.68
Oct	74.81	44.51
Nov	81.91	44.51
Dec	85.92	44.51

Source: AGH Market Analysis

LOCAL HIGHLIGHTS – Peninsular Gas Utilities (PGU)

Gas Volume Updates as of 17th February 2023

Northern Region

State	Exit CITY GATE (CG)/Metering Station (MS)	Available Capacity	
		MMscf/d	MMBtu/d
Perlis	Tambun Tulang CG	10.97	11375.89
	Ayer Puteh CG	30.92	32064.04
	TTPC MS	55.86	57926.82
Kedah	Pondok Labu CG	19.21	19920.77
	Kulim Hi Tech CG	75.18	77961.66
	Sungai Petani CG	20.44	21196.28
	Pokok Sena CG	20.86	21631.82
	PFK MS	16.25	16851.25
	NUR MS	200.97	208405.89
	Prai CG	24.97	25893.89
Penang	TNB Prai MS	98.28	101916.36
	TNB Gelugor MS	23.35	24213.95
	Prai Power MS	110.22	114298.14

Western Region

State	Exit CITY GATE (CG)/Metering Station (MS)	Available Capacity	
		MMscf/d	MMBtu/d
Perak	Kamunting CG	20.96	21735.52
	Parit Buntar CG	18.47	19153.39
	Ayer Tawar CG	16.19	16789.03
	Hutan Melintang CG	47.86	49630.82
	Merbau CG	78.5	81404.5
	Tronoh CG	4	4148
	SEV Lumut MS	180.42	187095.54

Eastern Region

State	Exit CITY GATE (CG)/Metering Station (MS)	Available Capacity	
		MMscf/d	MMBtu/d
T'gganu	Kerteh CG	0.89	922.93
	Teluk Kalong CG	8.68	9001.16
	Kerteh 3 CG	96.3	99863.1
	Kerteh 2 CG	3.79	3930.23
	TNB Paka MS	208	215696
	YTL Paka MS	139.16	144308.92
	CUF Kerteh MS	105.52	109424.24
	CUF Gebeng MS	125.84	130496.08
Pahang	Gambang CG	0.49	508.13
	Gebeng CG	29.51	30601.87
	Gebeng 2 CG	68.6	71138.2
	PCMSB MS	8.46	8773.02
	PCASB MS	7	7259
	Aromatic KR2 MS	3.3	3422.1
	PCOGD MS	50.51	52378.87
	PERWAJA MS	50.88	52762.56
	MTBE NG MS	11.6	12029.2
	PDH MS	8.4	8710.8
	BASF Fuel	8.29	8596.73
	BASF Feedstock	2.1	2177.7
	Idemitsu MS	9.83	10193.71
	Titan MS	37.78	39177.86
	Genting Sayen MS	47.95	49724.15

Source: Petronas Gas Berhad



LOCAL HIGHLIGHTS – Peninsular Gas Utilities (PGU)

Gas Volume Updates as of 17th February 2023

Central Region			
State	Exit CITY GATE (CG)/Metering Station (MS)	Available Capacity	
		MMscf/d	MMBtu/d
Klang Valley	KLIA CG	0.06	62.22
	Dengkil CG	71.6666	74318.2642
	Puchong CG	14.64	15181.68
	Batu Tiga CG	37.76	39157.12
	GB3 MS	93.48	96938.76
	Connaught Bridge MS	186.77	193680.49
	GDC KLIA MS	1.9	1970.3
	PNGV KLIA 1	0.47	487.39
	PNGV KLIA 2	0.7	725.9
	PNGV KLIA 3	0.41	425.17
S'gor	Venator MS	7.6	7881.2
	Serdang CG	76.4	79226.8
	Shah Alam CG	80.37	83343.69
	Kapar CG	9.07	9405.59
	Meru CG	95.42	98950.54
	Bestari Jaya CG	8.74	9063.38
	Kuala Langat Power Plant MS	50.35	52212.95
	Serdang MS	174.67	181132.79
N.Sembilan	Kapar MS	268.04	277957.48
	Seremban CG	15.91	16498.67
	Seremban 2 CG	10.29	10670.73
	Bandar Baru Nilai CG	10.66	11054.42
	Tebong CG	25.23	26163.51
	Port Dickson MS	230	238510

Southern Region			
State	Exit CITY GATE (CG)/Metering Station (MS)	Available Capacity	
		MMscf/d	MMBtu/d
Johor	Kluang CG	39.24	40691.88
	Kulai CG	18.2	18873.4
	Senai CG	114.96	119213.52
	Pasir Gudang CG	237	245769
	Plentong CG	74.2	76945.4
	Tg Langsat CG	17.66	18313.42
	Paya Rumpit CG	14.11	14632.07
	TNB Pasir Gudang MS	279.57	289914.09
	Pengerang COGEN Power MS	111.61	115739.57
	Southern Power Generation MS	20	20740
	Plentong (Senoko) MS	145	150365
	Plentong 2 (Keppel) MS	118	122366
M'cca	Alor Gajah CG	9.25	9592.25
	Tanjung Kling MS	50.01	51860.37
	Tanjung Gemok MS	38.93	40370.41
	Teluk Gong MS	111	115107
	Panglima MS	25.31	26246.47
	EDRA Energy Sdn Bhd	210.21	217987.77
	Tangga Batu Refinery MS	32.66	33868.42
	Tangga Baru Cogen MS	12.34	12796.58

END OF REPORT