

LNG ANNUAL 2016



A must-read to follow the latest trend in LNG, key energy source for Japanese electricity policy

The Rim LNG Annual 2016 contains information about not only liquefaction and receiving terminals in the world but also contract data of all the firms involved in LNG. It also contains trade statistics about LNG and natural gas as well as shipping information. Data on Rim LNG spot price assessment and futures contract prices in the UK and the US are also included. Since the first issue, the book has helped people in LNG-related industries understand market prices and supply/demand of LNG.

A must-read to catch the latest trend in LNG

Rim Intelligence Co., which has provided energy news for around 30 years, published the first edition of LNG Annual in 2010 to explain the latest trend of LNG market throughout the world or worldwide limelight. The Annual was widely used by central governments, national companies, majors, oil, gas and power companies, traders. We believe that the newly revised 2016 edition will be beneficial to those interested in energy topics as well as market players.

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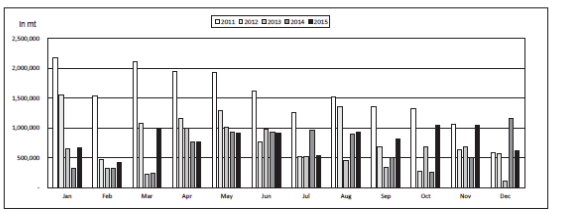
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Project	Investor	Investment ratio (%)	Production Capacity (mtpa)	No. of Train	Start-up	Importing Country	Buyer	Quantity (mtpa)	Start of purchase	Remark
Brunei LNG	Shell	50.00	7.10	5	1973	Japan	Tokyo Gas	2.33		10 yrs
	Shell Petroleum Mitsubishi Corp.	25.00					Tokyo Gas	1.00	Apr 2013	
		25.00					Daika Gas	0.37		10 yrs
							D.Korea KOGAS	1.0+1.5	2013	10 yrs
							na Shell	0.50	Apr 2013	10 yrs
Total			7.10				na Petronas	1.00	2013	na

Project	Investor	Investment ratio (%)	Production Capacity (mtpa)	No. of Train	Start-up	Importing Country	Buyer	Quantity (mtpa)	Start of purchase	Remark							
Bontang	Pertamina (KOGAS ENI) JILCO Total	55.00	22.30	16	1977	Japan	Kansai Elec	3.0	2011	3.0 mtpa from 2011-2015, 2.0 mtpa from 2016-2020 (Western Buyer Contract)							
							Chubu Elec										
							Nyuharu Elec										
							Daika Gas										
							Toho Gas	2.31	1994	expired							
							Toho Gas										
Tanggul	BP CNOOC LX Energy Mitsubishi INPEX LNG Japan IG Berasu Taitan Mitsubishi	37.10	7.60	2	2009	S.Korea	Samsung	3.7	2009	1.7 mtpa can be diverted							
							CNOOC	2.6	2009	21 yrs							
							POSCO	0.58	2009	20 yrs							
							SK E&S	0.6	2009	20 yrs							
							Japan	Kansai Elec	1.0	2014	22 yrs						
								Tohoku Elec	0.12	2010	15 yrs						
							Donggi Seroni	Mitsubishi Pertamina KOGAS MEDCOOD	45	2.00	1	2014	Japan	Chubu Elec	1.00	2015	14 yrs
														Nyuharu Elec	0.36		
							Total (Planned)		31.90						21.61		

Terminal	Investor	Investment ratio (%)	Receiving Volume (mtpa)	Type of Liquefaction	Number of Trains	Start-up	Supply Country	Supplier
Guangdong Dapeng	CNOOC	33						
	BP Pearl River Delta Investments	15						
	BP Guangdong Investments	15						
	Shenzhen Gas Corporation	10						
	Guangdong Yuhuan Natural Gas Co	6						
	Guangdong Gas Group	6	6.70	Onshore	4	Sep 2006	Australia, Qatar	NWCV, Catargas
	Shenzhen Energy Group Co	4						
Fujian Medzhou	CNOOC	60	2.60	Onshore	4	2008	Indonesia	Pertamina
	Fujian Medzhou	42						
Zhangji Yangjiang	CNOOC	45	3.00	Onshore	3	2009	Malaysia	Petronas
	Senergy Group	55						
Tianjin (Phase 1)	CNOOC	100	2.60	FSRU	1	Apr 2013	Single Portfolio	Engie
Zhuhai (Gaoan)	CNOOC	100	3.60	Onshore	3	2013	Australia, Qatar	Catargas etc
Zhejiang Ningbo	CNOOC	51						
	Zhejiang Energy Group	29	3.00	Onshore	3	2008	Qatar, Australia	Catargas etc
Jiangsu Rudong	Ningbo Electric	29						
	Jiangsu Guoan Investment Group	52	3.60	Onshore	3	2011	Qatar, Australia etc	Catargas (Shell) etc
Liaoning Dalian	Hong Kong-based Pacific Oil & Gas	35						
	PetroChina	100	3.00	Onshore	3	2011	Qatar, Australia etc	Catargas (Shell)
Hebei Tangshan phase 1	PetroChina	100						
	Beijing Enterprise	29	3.50	Onshore	3	2013	Qatar, Australia etc	Catargas (Shell)
Donggang Guangzhou	Hebei Natural Gas	20						
	JNCO Group	100	1.00	Onshore	2	2012	Malaysia	Petronas
Shanghai Wentougou	Shanghai Gas group	100	3.00	Onshore	3	2008	Malaysia	Petronas
	Sinopec	100	3.00	Onshore	3	2014	Papua New Guinea	ExxonMobil
Hainan Yangpu (Phase 1) (Contracting)	CNOOC	65	2.00	Onshore	2	2014	na	na
Hebei Tangshan phase 2	PetroChina	51						
	Beijing Enterprise	29	6.50	Onshore	na	na	Australia, Qatar	BC, Catargas
Shouhan	Hebei Natural Gas	20						
	ENN	100	3.00	Onshore	na	2017	na	na
Jiangsu Rudong Phase 2 (planned)	PetroChina	100	6.50	Onshore	na	na	na	na
Hainan Yangpu (Phase 2)	CNOOC	65	3.00	Onshore	na	2017-2020	na	na
Guangdong Shenzhen	Hainan Provincial Development Control	35						
	PetroChina	100	4.00	Onshore	na	na	na	na
Shenzhen Diefu	CNOOC	70						
	Shenzhen Energy Group	30	4.00	Onshore	4	2017-2018	na	na
Tianjin(Phase 2, 3)	CNOOC	na	Over 6.00	Onshore	4 each	na	Single Portfolio	Engie

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2011	2,193,481	1,837,284	2,106,620	1,949,887	1,822,121	1,623,876	1,263,428	1,820,263	1,348,711	1,331,324	1,053,048	879,703
2012	1,848,223	454,847	1,071,793	1,169,069	1,286,880	763,224	514,179	1,360,287	682,137	271,349	641,282	871,221
2013	650,347	319,708	221,081	992,204	1,018,232	953,437	520,982	453,774	348,427	698,669	652,160	114,280
2014	318,699	327,958	247,846	762,171	938,820	936,791	966,267	893,167	496,618	263,319	501,790	1,189,211
2015	662,255	426,007	1,000,318	772,608	921,980	914,334	836,666	930,766	817,309	1,061,237	1,041,196	821,228



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2011	8.32	8.41	8.10	9.04	9.03	8.65	8.43	8.26	7.46	9.04	9.08	8.66
2012	8.05	7.65	8.06	9.03	8.57	7.33	7.28	7.91	8.39	8.91	9.33	9.70
2013	9.66	7.96	10.79	9.57	9.74	9.15	9.05	8.37	8.34	9.12	10.10	10.55
2014	9.69	9.00	8.16	8.52	8.13	7.51	6.25	6.12	5.37	4.67	7.50	7.31
2015	7.62	6.36	6.25	6.47	6.65	6.16	5.51	5.91	5.28	5.54	5.36	4.60

