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LNG and gas markets update

By

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LNG and Gas Markets Update

Andrew Walker, Vice Chairman – Global Gas Centre

UNCTAD, 10 October, 2022
Safe Harbor Statements

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• statements regarding any financing transactions or arrangements, or ability to enter into such transactions;

• statements relating to Cheniere’s capital deployment, including intent, ability, extent, and timing of capital expenditures, debt repayment, dividends, and share repurchases;

• Statements regarding our future sources of liquidity and cash requirements;

• statements relating to the construction of our proposed liquefaction facilities and natural gas liquefaction trains ("Trains") and the construction of our pipelines, including statements concerning the engagement of any engineering, procurement and construction ("EPC") contractor or other contractor and the anticipated terms and provisions of any agreement with any EPC or other contractor, and anticipated costs related thereto;

• statements regarding any agreement to be entered into or performed substantially in the future, including any revenues anticipated to be received and the anticipated timing thereof, and statements regarding the amounts of total LNG regasification, natural gas, liquefaction or storage capacities that are, or may become, subject to contracts;

• statements regarding counterparties to our commercial contracts, construction contracts and other contracts;

• statements regarding our planned development and construction of additional Trains or pipelines, including the financing of such Trains or pipelines;

• statements that our Trains, when completed, will have certain characteristics, including amounts of liquefaction capacities;

• statements regarding our business strategy, our strengths, our business and operation plans or any other plans, forecasts, projections or objectives, including anticipated revenues, capital expenditures, maintenance and operating costs, free cash flow, run rate SG&A estimates, cash flows, EBITDA, Consolidated Adjusted EBITDA, distributable cash flow, distributable cash flow per share and unit, deconsolidated debt outstanding, and deconsolidated contracted EBITDA, any or all of which are subject to change;

• statements regarding projections of revenues, expenses, earnings or losses, working capital or other financial items;

• statements regarding legislative, governmental, regulatory, administrative or other public body actions, approvals, requirements, permits, applications, filings, investigations, proceedings or decisions;

• statements regarding our anticipated LNG and natural gas marketing activities; and

• any other statements that relate to non-historical or future information.

These forward-looking statements are often identified by the use of terms and phrases such as “achieve,” “anticipate,” “believe,” “contemplate,” “continue,” “could,” “develop,” “estimate,” “example,” “expect,” “forecast,” “goals,” “guidance,” “intend,” “may,” “opportunities,” “plan,” “potential,” “predict,” “project,” “propose,” “pursue,” “should,” “subject to,” “strategy,” “target,” “will,” and similar terms and phrases, or by use of future tense. Although we believe that the expectations reflected in these forward-looking statements are reasonable, they do involve assumptions, risks and uncertainties, and these expectations may prove to be incorrect. You should not place undue reliance on these forward-looking statements, which speak only as of the date of this presentation. Our actual results could differ materially from those anticipated in these forward-looking statements as a result of a variety of factors, including those discussed in “Risk Factors” in the Cheniere Energy, Inc. and Cheniere Energy Partners, L.P. Annual Reports on Form 10-K filed with the SEC on February 24, 2022, which are incorporated by reference into this presentation. All forward-looking statements attributable to us or persons acting on our behalf are expressly qualified in their entirety by these “Risk Factors.” These forward-looking statements are made as of the date of this presentation, and other than as required by law, we undertake no obligation to update or revise any forward-looking statement or provide reasons why actual results may differ, whether as a result of new information, future events or otherwise.
Overview

• LNG and gas market update
• Comment on current market dynamics
• Impacts for UN Sustainable Development Goals
Global gas and LNG price overview

<table>
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<tr>
<th></th>
<th>2021 CAL</th>
<th>2022 CAL</th>
<th>SUMMER 2021</th>
<th>WINTER 2021</th>
<th>SUMMER 2022</th>
<th>WINTER 2022</th>
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<tbody>
<tr>
<td>Brent ($/bbl)</td>
<td>67.39</td>
<td>98.60</td>
<td>70.14</td>
<td>80.80</td>
<td>108.91</td>
<td>88.82</td>
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<tr>
<td>JKM</td>
<td>15.02</td>
<td>35.07</td>
<td>11.54</td>
<td>31.66</td>
<td>36.41</td>
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<tr>
<td>NBP</td>
<td>14.53</td>
<td>31.87</td>
<td>13.60</td>
<td>29.20</td>
<td>30.47</td>
<td>47.24</td>
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<tr>
<td>TTF</td>
<td>14.38</td>
<td>42.87</td>
<td>13.63</td>
<td>29.47</td>
<td>46.78</td>
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<tr>
<td>HH</td>
<td>3.84</td>
<td>6.82</td>
<td>3.77</td>
<td>5.30</td>
<td>7.57</td>
<td>6.92</td>
</tr>
<tr>
<td>EU Carbon (€/ton)</td>
<td>54.51</td>
<td>77.89</td>
<td>55.27</td>
<td>80.94</td>
<td>78.55</td>
<td>67.13</td>
</tr>
</tbody>
</table>

Source: Cheniere Research, Bloomberg, CME, ICE, Platts, Japan Ministry of Finance

Note: Asia L-T Contract Proxy = 14.85% Japan Crude Cocktail (3-month average) + $0.50/MMBtu; same formula is used with Brent crude oil prices for forward curves.

Note: Forward curves and the 2022 Winter strip represent prices on October 3, 2022.
LNG market overview 2008 - 2022

LNG supply growth has become cyclical since the late-2000s

Market loosening
- Supply outpaced Asia demand growth

Market tightening
- Asia demand growth outpaced supply

Loosening deferred
- Asia demand growth kept pace with supply

Loosening
- Tighter

Pre-COVID forecast (Q1 2019)

Things get ‘complicated’

LNG Imports by Region, 2008-2022

N. America

S. America

M. East

N. Africa

China

Asia Pacific

Europe

Total supply

mtpa

Source: Cheniere interpretation of Wood Mackenzie data (Q3 2022 & Q1 2019)
Global gas and LNG expectations for 2022

High prices and market uncertainty expected to impact 2022 gas markets, but not LNG growth

Source: Global gas demand chart: IEA Gas Market Report Q4 2022
Global LNG demand chart: IEA Gas Market Report Q4 2022
Current market dynamics are focused on Europe

**EU Gas Storage Level**

<table>
<thead>
<tr>
<th>Year</th>
<th>% Full</th>
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<tbody>
<tr>
<td>2020</td>
<td>95%</td>
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<tr>
<td>2021</td>
<td>75%</td>
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<tr>
<td>2022</td>
<td>89%</td>
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**Russia Pipeline Flows to Europe**

<table>
<thead>
<tr>
<th>Year</th>
<th>mcm/d</th>
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<tbody>
<tr>
<td>2020</td>
<td>144 Bcm</td>
</tr>
<tr>
<td>2021</td>
<td>134 Bcm</td>
</tr>
<tr>
<td>2022 YTD</td>
<td>-47% YOY</td>
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</table>

**EU + UK LNG Imports**

<table>
<thead>
<tr>
<th>Year</th>
<th>mtpa</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>72</td>
</tr>
<tr>
<td>2021</td>
<td>65</td>
</tr>
<tr>
<td>2022 YTD</td>
<td>+69% YOY</td>
</tr>
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**Gas and LNG Prices (Daily)**

- **Oil Parity**
- **Henry Hub**
- **JKM**
- **TTF**

**Record Lows**
- TTF = $1.13 (May 28, 2020)
- JKM = $1.83 (Apr. 28, 2020)

**Record Highs**
- TTF = $99.07 (Aug. 26, 2022)
- JKM = $84.76 (Mar. 7, 2022)

Note: Five-year ranges and averages cover 2015-2019, inclusive. (*) 2022 YTD reflects data through end of September.

Source: Cheniere Research interpretation of data from GIE, Kpler, ENTSOG, ICE, CME, and S&P Global Platts
Europe region: LNG imports by source, 2021/22

Flexible U.S. LNG volumes are responding to market price signals

Note: Europe region consists of the EU, the UK, and Turkey.
Source: Cheniere Research interpretation of Kpler data

Note: Full year (FY) 2022 estimated assuming Q4 = Q3

Incremental Europe Region LNG Imports 2022

- United States: 61%
- Algeria: 11%
- Russia: 8%
- Nigeria: 3%
- Qatar: 1%
- Other: 20%

FY 2022 = 114 MT
FY 2021 = 78 MT
Delta = +36 MT

Note: Europe region consists of the EU, the UK, and Turkey.
Source: Cheniere Research interpretation of Kpler data
The current market impacts are global

Global LNG trade balance 2022 YTD, plus LNG imports in selected markets 2020 to 2022

- **China Imports**: Chinese imports fell 22% YOY so far this year due to tighter COVID-19 restrictions.
- **India Imports**: Imports briefly recovered in May-July before falling again in August due to fuel switching.
- **South Korea Imports**: South Korea has prioritised nuclear power and coal over gas to keep imports broadly flat YOY.

**Trade Variance (Q3’22 vs. Q3’21)**

- Thailand
- Japan
- Taiwan
- Malaysia
- Singapore Republic
- Myanmar
- Indonesia
- South Korea
- Bangladesh
- Pakistan
- India
- China

**Import Details**

- **Declining domestic production pipeline imports has led to higher imports YOY**
- **High spot prices and increased intraregional pipeline flows have resulted in lower imports**
- **Brazilian imports tripled last year due to lower hydropower but have decreased this year**

Source: Cheniere interpretation of Kpler data, Cheniere Research

X% YOY = YTD 2022 vs. 2021
Summary

• Current global LNG market conditions are being driven primarily by events in the Europe region. Europe region has evolved from the LNG ‘market of last resort’ to the ‘market of greatest need’

• Impacts are global. Europe is competing for LNG cargoes with other markets, primarily Asia

• LNG has been helpful in mitigating the impacts of the current supply shock in Europe and re-allocating some of the supply-demand imbalance globally

• Impacts vary by market - but are set variously by underlying gas demand fundamentals, exposure to spot volumes, economic resilience, alternate fuel options, plus ability to manage or reduce gas demand

• The next wave of LNG supply will help bring the global gas market back towards balance

• LNG is expected to continue to play an important role in providing long-term diversification of energy supply for developing nations – by supporting renewables build-out, displacing coal, and providing a platform for future low-carbon gases.

• Adequate future LNG supply needs to be maintained to keep markets in balance
Thank you

Questions?