

# Educating Lebanon's Oil and Gas Generation



النهار

لمناسبة إطلاق عدد خاص من جريدة النهار  
ضمن استمرار لبنان والاستثمار في شبابه  
يرأس تحريره الدكتور فضلو خوري  
رئيس الجامعة الأميركية في بيروت  
بالإشتراك مع أكثر من ١٠٠ شخصية

تدعوكم  
الجامعة الأميركية في بيروت وجريدة النهار  
إلى إحتفال يقام عند الحادية عشرة قبل ظهر  
الخميس ٢٧ أيلول ٢٠١٨  
في قاعة الأسمبلي هول في حرم الجامعة

إن مشاركتكم تعزز هذا المشروع الوطني والتغييرى نحو الأفضل



النهار - جامعة



It is now a very safe bet that the seabed off Lebanon's coast contains enormous amounts of natural gas, and sound management of this resource could power a new era of unprecedented socioeconomic development.

It's not just scientific studies of our own Exclusive Economic Zone that tell us this: it's also the facts that neighbors like Egypt and Israel are already producing; that areas off Cyprus, Gaza, and Syria show similar promise; and that much of the region shares the same geology.

Once Lebanon starts producing and exporting gas, the potential benefits will be game-changing: lower electricity costs, higher employment, more foreign investment, less public debt, far greater resources available for historic improvements in schools, hospitals, water and sewage networks, transport infrastructure, etc. Such achievements would make the country's entire economy more competitive, providing more opportunities for all of its citizens for generations to come.

In order to derive maximum benefit, Lebanon needs to ensure that the nascent industry has everything it needs to prosper. Some of this work is quite advanced, with the Ministry of Energy and Water and the Lebanese Petroleum Administration (LPA), for example, having already prepared legal and regulatory frameworks that encourage rapid and sensible development.

To get the most out of this process, though, we as a country need to ensure that we as a people are both the driving force behind its progress and the primary beneficiaries of its consequences. The only way to do this is to ensure that all Lebanese have access to the skills and training required to take on jobs at every level of the process.

Lebanon can count on its highly acclaimed higher education sector to churn out the necessary architecture, chemistry, finance, management, and various engineering professionals. There also will be extensive requirements for qualified tradesmen and other technicians to build, operate and maintain both on- and offshore facilities. This means qualified pipefitters, electricians, welders, and other skilled workers – and only suitably equipped and oriented vocational institutions can provide the necessary training.

These kinds of jobs entail not just the provisions of excellent pay and benefits, but also the acquisition of valuable skills and experience that are easily transferable to other regions and other industries. In short, they are the

building blocks for long and productive careers for today's youth, whose spending will in turn contribute to sustainable long-term economic growth.

Already the LPA is working with oil and gas companies to chart clearly defined pathways from education to employment, and policymakers are similarly engaged in addressing capacity issues and how to help universities and vocational schools to gain global accreditation. These should remain top priorities, and we should also examine the experiences of others. Cyprus, for instance, has made significant strides in making sure that it will have enough qualified nationals to fill key jobs across its own budding gas sector; partnering with Cypriot institutions – and/or others in Europe or elsewhere – could radically increase the effectiveness of Lebanon's strategy.

We are very close to realizing historic gains for all Lebanese society, and we owe it to future generations to get this done right. Education will be the key to strong livelihoods for thousands of our people, and we already have a very robust foundation of educational excellence. Whatever other challenges Lebanon faces, this one allows us to be masters of our own destiny, and we would be foolish indeed to let this opportunity be diluted in any way.

Roudi Baroudi has worked in the oil and gas industry for more than three decades and currently serves as CEO of Energy and Environment Holding, an independent consultancy based in Doha.

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# **Qatar to raise LNG output capacity to 110mn tonnes per year**



**\*Production to be increased by adding a new train**

**\*LNG production capacity to go up by 43%**

**\*Delivery of LNG from new project expected either in end-2023 or early 2024**

Qatar Petroleum has announced further increase in the capacity of Qatar's LNG expansion project, by adding a fourth liquefaction train, to raise the country's liquefied natural gas capacity to 110mn tonnes per year.

The fourth liquefaction train, like the three trains announced earlier as part of a project to develop additional gas from the North Field, will be of nearly 8mn tonnes per year capacity.

When the project is completed, Qatar's LNG production capacity will scale up by almost 43% from the current 77mn tonnes per year (mtpy), enabling the country to consolidate its position

as the world's largest LNG producer and exporter, said Qatar Petroleum President & CEO Saad Sherida al-Kaabi.

He said the expected delivery of the first LNG from the new project would be either in end-2023 or early 2024. The production from the four trains will be "staggered in a sequence" to attain the first delivery in end-2023 or early 2024.

With the addition of the fourth train, the new project will produce about 32mtpy of LNG, 4,000 tons/day of ethane, 260,000 barrels/day of condensate, and 11,000 tons/day of LPG, in addition to approximately 20 tons per day of pure helium.

Addressing a press conference at the Qatar Petroleum headquarters on Wednesday, al-Kaabi said: "As we have announced last year, Qatar Petroleum has embarked on a project to develop additional gas from the North Field and build three new LNG mega trains. Based on the good results obtained through recent additional appraisal and testing, we have decided to add a fourth LNG mega train and include it in the ongoing front end engineering of the project.

"When the project is completed and all four new trains are online, Qatar's LNG production capacity will reach 110mn tpy. This will increase Qatar's total production capacity from 4.8mn to 6.2mn barrels of oil equivalent per day."

"This new capacity increase will further strengthen our leading position as the world's largest LNG producer and exporter, and will further boost Qatar Petroleum's strategic growth plan. This production addition will have a great impact on Qatar's economic growth and will help stimulate our local economy," al-Kaabi noted.

"We believe that LNG has bright prospects, and that the new expansion project reflects Qatar Petroleum's commitment to meeting its worldwide customers' growing needs for this reliable and environmentally friendly fuel. I would like to

take this opportunity to express our sincere gratitude to His Highness Sheikh Tamim bin Hamad al-Thani, the Amir of the State of Qatar, for his wise leadership and continuous support to Qatar's energy sector.

"On this occasion, I would also like to thank all my colleagues and partners in the energy sector in Qatar for their excellent dedication and support of our ambitious growth plans," he added.

Al-Kaabi said the North Field Expansion Project is well underway with various activities currently ongoing, including the Front End Engineering and Design (FEED) of the onshore facilities, which is being executed by Chiyoda Corporation of Japan.

The engineering, procurement, construction and installation (EPCI) contract for the offshore wellhead jackets is expected to be awarded before the end of the year, and development drilling activities are expected to commence imminently.

Tenders to drill new wells will be issued next month, a Bloomberg dispatch showed.

Al-Kaabi said when the FEED contract was awarded earlier; it was stated that engineering would be done for three trains with an option to add a 4th LNG train in future.

Asked whether the LNG capacity boost was a result of the "political crisis surrounding Qatar", al-Kaabi said: "Our decision to increase production is purely based on business and commercial terms. The blockade for more than a year now is unjustified and unfair. But as we have stated earlier, we will carry on with our business in the same way, and frankly we do not think about it (blockade) when we make decisions.

"Our gas still flows into the UAE," al-Kaabi said when asked about the future of the Dolphin project.

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# The case against climate despair



By Carl Bildt /Stockholm

Heat waves and extreme-weather events across the Northern Hemisphere this summer have brought climate change back to the forefront of public debate.

Early analyses strongly suggest that natural disasters such as Hurricane Florence – which barreled into the US East Coast this month – have been exacerbated by rising global temperatures.

Though US President Donald Trump has reneged on the 2015 Paris climate agreement, the rest of the world is becoming increasingly convinced of the need to limit greenhouse-gas (GHG) emissions.

Last month, a group of climate scientists published a report in the US Proceedings of the National Academy of Sciences

warning that the planet could be on a path to becoming a “hothouse” that may not be habitable for humans.

The Earth has already registered the highest temperatures since the last Ice Age.

But, as the report notes, what we are experiencing today will be nothing compared to what is in store if average global temperatures surpass 2° Celsius above pre-industrial levels.

At that point, the authors write, “(global) warming could activate important tipping elements, raising the temperature further to activate other tipping elements in a domino-like cascade that could take the Earth System to even higher temperatures.” The scientific debate about climactic tipping points and nightmare scenarios is ongoing.

But no one can say for certain that the risks outlined in the “Hothouse Earth” report are not real.

But there is another risk: that warnings such as these will lead to despair.

Numerous reports have already concluded that it will be exceedingly difficult to meet the targets outlined in the Paris agreement.

But to conclude that the situation is hopeless is not just dangerous; it is also factually incorrect.

After all, political and technological developments that are underway offer grounds for genuine hope.

At the Global Climate Action Summit in San Francisco, California, this month, there was plenty of talk about the numerous alarming reports that have come out in recent months and years.

But the real focus was on the Exponential Climate Action Roadmap, a major new study showing that progress in the use of non-fossil-fuel technologies is advancing not just linearly, but exponentially.

You may not realise it, but solar- and wind-power usage is doubling every four years. If that continues, at least half of global electricity production could come just from these two forms of renewable energy by 2030.

And there is no good reason to think that progress couldn't



accelerate further.

Just in the past few years, there have been rapid advances in solar-energy technologies and energy storage.

The Global Commission on the Economy and Climate estimates that \$90tn will be invested in new infrastructure around the world over the course of the next 15 years.

Owing to the new technologies that are now emerging – not just in energy but in the digital domain as well – humanity could have an historic opportunity to leapfrog into far more sustainable, carbon-neutral patterns of habitation.

Moreover, in addition to the far-reaching advances in technology, there is also growing private- and public-sector awareness of the importance of factoring sustainability into all decisions.

New approaches to energy, industry, architecture, city planning, transportation, agriculture, and forestry have the potential to halve GHG emissions by 2030.

But that will happen only if a broad coalition of decision-makers decides to deploy them.

Fortunately, governments and major corporations have begun to show leadership on these issues.

As a result, GHG emissions have already peaked in 49 countries that account for 40% of global emissions; and ten countries have even committed to being carbon-neutral by 2050.

California and Sweden say that they will produce zero net emissions by 2045.

The Exponential Climate Action Roadmap shows that we do still have a say over our climate future.

The dangers that await us cannot be denied.

If GHG emissions and rising temperatures continue on their current trajectories, we could well reach the point at which future generations will have to endure “Hothouse Earth,” assuming that they can survive at all.

But just as recent scientific work has underscored the dangers of climate change, so, too, has it shown the way forward.

There is hope in the rapid diffusion of new technologies, and in the growing awareness of the problem within industry,

government, and civil society.

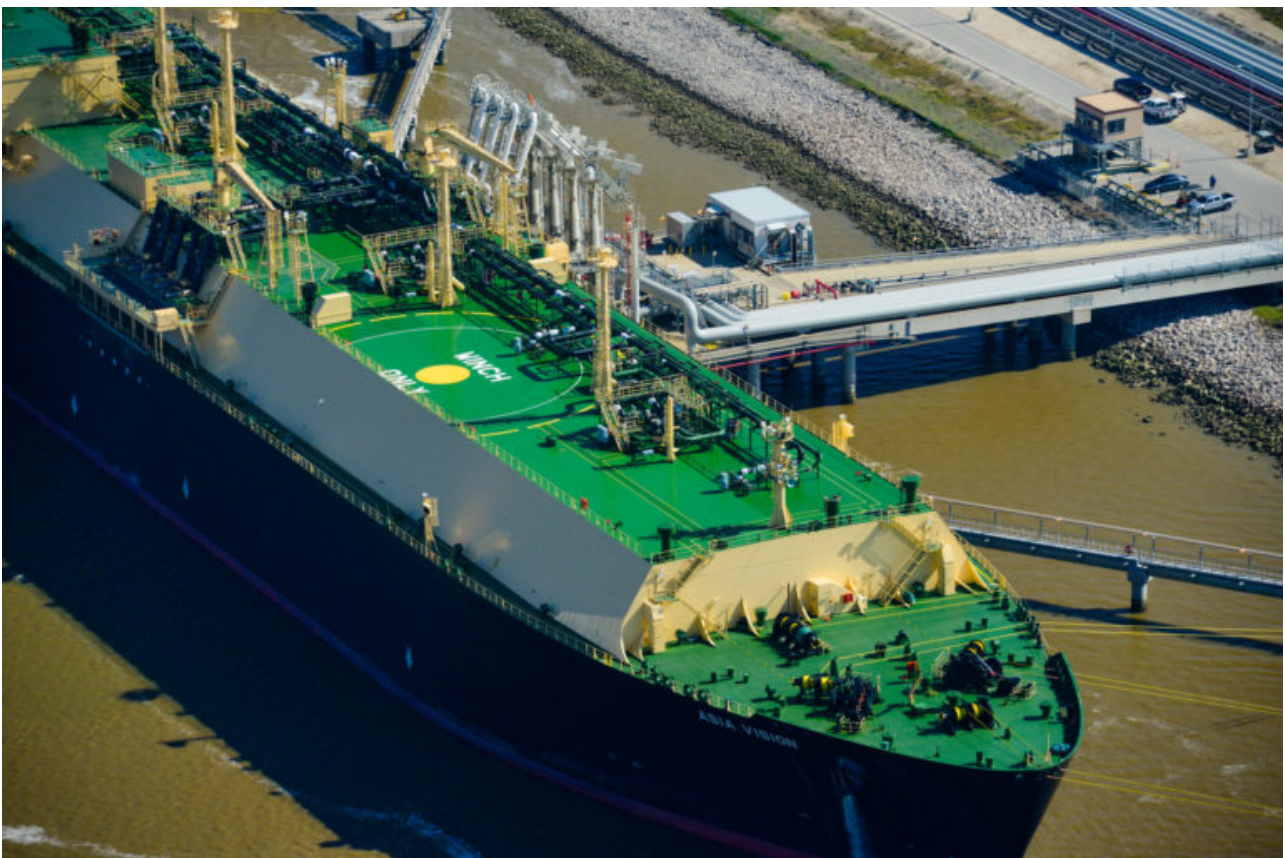
If we can ensure exponential technological progress and marshal the necessary political will, we can tackle the climate crisis.

A “Stable Earth” is still within our reach. – Project Syndicate

*Carl Bildt is a former prime minister and foreign minister of Sweden.*

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# Trump’s Trade War Escalation Puts U.S. Energy in Crosshairs



U.S. gas is under threat as a trade war with China escalates.

China may target American liquefied natural gas in retaliation for a fresh round of duties announced Monday by the U.S. While the Asian nation last month said it was considering a 25 percent tariff on the fuel, it hadn't yet provided any details when it vowed Tuesday to take new action.

The move would be a setback for a burgeoning energy relationship that was on track to be a boon for both economies. The move would also add new pressure on the U.S. LNG industry, which is competing with Russia, Australia and Qatar for market share in China, the world's biggest gas buyer. Just last year, U.S. officials were courting Chinese companies to invest in new export projects.

The tariffs would signal how much pain Presidents Xi Jinping and Donald Trump are willing to endure not to back down from a trade fight. Trump risks stifling the U.S. gas export industry, which is seeking an estimated \$139 billion to fund more than a dozen projects, while Xi threatens to raise the cost of his drive to eliminate smog by burning less coal.

## **China's LNG Purchases**

U.S. LNG has accounted for nearly 6% of China's imports over the last year: Bernstein "Chinese companies will have an aversion to investing in U.S. LNG projects in the short term" if tariffs are imposed, said Saul Kavonic, Credit Suisse Group AG's director of Asia energy research. "Australia and Qatar's LNG sectors will benefit from being seen as a lower risk source of supply by customers in the world's fastest growing LNG market, at least over the near term."

## **Booming Demand**

China's push to use more natural gas is driving global demand growth, with LNG imports jumping 47 percent in the first seven months of the year. Though it's the third-largest buyer of

U.S. cargoes, American supply made up a little less than 6 percent of purchases over that period, according to Sanford C. Bernstein & Co. If U.S. companies can seize 20 percent of the market by 2030, it could lower the trade deficit with China by \$50 billion, Bernstein estimates.

Higher oil prices and a surge in LNG demand have reignited interest in export ventures, with about 15 U.S. projects targeting final investment decision this year and next, the most of any nation, according to Bloomberg NEF. Projects have been seeking investments or off-take agreements from China, which earlier this year topped Japan as the world's biggest gas importer.

"It is hard to see any of these hopeful projects getting another Chinese buyer signed up for long-term volumes" if China slaps tariffs on U.S. gas, Trevor Sikorski, an analyst at Energy Aspects Ltd., said by email. "Given China is a huge part of global LNG demand growth, that is a big headwind for these new projects."

Liquefied Natural Gas Ltd., which is yet to make a final investment decision of the \$4.35 billion Magnolia LNG project in Louisiana, expects Chinese buyers will wait for uncertainty on tariffs to be removed before signing contracts, Chief Executive Officer Greg Vesey said Monday at an industry conference in Barcelona.

Exporting nations such as Australia and Qatar could benefit from the trade tensions, according to Xizhou Zhou, an analyst at IHS Markit.

"You have two important parties in the LNG market – one is a very important large buyer, one is an important large supplier – less likely to negotiate with each other," he said by phone. "So Qataris, Australians will have less competition when it comes to the Chinese market for long-term contracts. "

The GasLog Greece, which left Cheniere Energy Inc.'s liquefied

natural gas export terminal in Louisiana on Aug. 15 en route to China, changed its destination mid-journey to South Korea. It was one of at least two U.S. LNG shipments heading for China during the past month. The other ship, Rioja Knutsen, arrived Sept. 3 at Tianjin.

More than a month ago, state-owned PetroChina Co. contemplated temporarily halting purchases of U.S. gas and increasing buying from other nations, while ENN Group, a private gas distributor and burgeoning LNG importer, decided not to buy any supplies from the U.S. this winter, Bloomberg reported last month.

Most LNG cargoes are sold at a price linked oil, whereas U.S. supplies are often priced off domestic gas prices, which have declined about 4 percent this year. China's decision comes as U.S. gas has become cheaper than oil-linked cargoes and amid the prospect of crude continuing to rise over the next few years. LNG spot prices in Northeast Asia this year have averaged the highest since 2014, at around \$9.70 per million British thermal units. Prices last year surged on the back of China's soaring consumption.

That's why the tariffs are an especially cruel blow for companies backing prospective U.S. liquefied natural gas export terminals, including Tellurian Inc., Liquefied Natural Gas Ltd. and Pembina Pipeline Corp. A 25 percent levy would lift U.S. LNG back above oil-linked costs.



On the other hand, that's good news for energy giants that have LNG prospects outside the U.S. That includes Irving, Texas-based Exxon Mobil Corp., which has ties to projects in Qatar, Papua New Guinea and Mozambique, and Royal Dutch Shell Plc, which is aiming to build a plant in western Canada, operates a project in Australia and has one of the world's biggest LNG trading portfolios.

Exxon also signed a preliminary deal earlier this month to participate in a potential LNG import terminal in southern China, as well as supply it with gas. Separately, PetroChina inked a deal with Qatar to purchase 3.4 million tons of LNG annually, the Chinese company's biggest supply deal yet. The agreement, which will start this month, could help China forgo some U.S. supplies during peak winter demand.

Merchant trading houses like Vitol SA, Trafigura Group Pte. Ltd. and Gunvor Group Ltd., may also be able to benefit by, for example, routing U.S. LNG to buyers including Japan and South Korea while selling Malaysian or Australian fuel meant for those markets to China instead, all with a little added mark-up for themselves.

– With assistance by Dan Murtaugh, and Anna Shiryaevskaya



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# Can Trump win if he escalates his trade war with China?



Bryce Baschuk Washington/Geneva

US President Donald Trump is threatening to intensify an ongoing trade war by rolling out tariffs on \$267bn worth of Chinese exports to the US, on top of the \$200bn worth that he could soon hit with duties. He previously had imposed tariff

s, which act like a tax on imports, on \$50bn worth of Chinese products, and could soon run out of ways to levy more duties: The total of imposed and threatened tariffs is now \$517bn, yet the US only bought \$505bn of goods from China last year. China has hit back with tariffs on US goods. The US also has levied duties on steel and aluminium imports from most countries, including allies Canada, Mexico and the European Union.

They also reacted with tariffs of their own. It adds up to an all-out trade war, one that risks gumming up global supply chains, raising consumer prices, stalling economic growth and tying the World Trade Organisation in knots. What's less clear is whether it will end the way Trump wants.

1. What is a trade war? The dictionary says it's "an economic conflict in which countries impose import restrictions on each other in order to harm each other's trade." Trump's tariffs and the retaliation by other countries, both threatened and enacted, meet this definition. But so do centuries of protectionist skirmishes by numerous countries in countless sectors. What makes this a full-blown trade war are Trump's singling out of China for retaliation, the tit-for-tat actions by the US and its closest allies over metals tariffs, and Trump's invocation of national security to justify some of his moves – which could open a Pandora's Box of similar claims by other nations.

2. What happened in previous trade wars? One of the most notorious examples is the Smoot-Hawley Act passed by Congress in 1930 that is often blamed for deepening the Great Depression. The law, which effectively hiked US tariffs by an average of 59%, initially was meant to protect American farmers. But many other industries lobbied for protection, and Congress agreed. The tariffs caused other countries to retaliate against the US and each other, which resulted in higher prices on many manufactured and consumer goods. As demand collapsed, countries scrambled to maintain their gold



reserves by devaluing their currencies or imposing even more trade barriers. Global trade fell off a cliff .

3. Who wins in trade wars? Trump has said the US has a stronger economy and can outlast China in a trade war. The US economy is booming and China's is showing signs of stress. But the longer the dispute goes on, the more both sides will see casualties. For Trump, those could include key constituencies, such as consumers who are accustomed to buying lower-priced goods made in China. Already, many companies are warning of lower profits because of higher prices for raw materials, supply-chain disruptions and sales declines. The US also has begun a \$12bn programme to bail out farmers hurt by China's and other countries' retaliatory tariffs on US exports of soybeans, corn and other crops. Tit-for-tat tariffs "so far have only produced increased costs for American businesses, farmers, importers, exporters and consumers," a coalition of about 150 business and trade organisations told the Trump administration.

4. Why is Trump inviting this fight? In a March 2 Twitter post, he declared trade wars "good, and easy to win." Trump later said duties on Chinese imports are justified after decades in which China tilted the playing field, including by devaluing its currency and forcing American companies to share their technology. He has repeatedly pledged to reduce the US trade deficit – the difference between what the US imports and what it exports. But by the end of 2017, the deficit had risen to \$568bn from \$505bn in 2016, and it has kept on rising. Stepping back from trade deals like the North American Free Trade Agreement and the Trans-Pacific Partnership also appeals to Trump's base of voters in America's Rust Belt. But talk of a trade war is alarming to many US business leaders, who largely support existing trade deals, and the securities markets, which fear lower profits and slower economic growth.

5. Could tariffs backfire on the US? They could. Take steel, for instance. Many more people are employed in industries,

such as auto manufacturing, that buy steel to make products than in steel-making itself. President George W Bush's higher steel tariffs, imposed from 2002 to 2005 to protect against a surge in imports, created a \$30mn drag on US gross domestic product, according to the US International Trade Commission. Workers' wages fell economy-wide, investors saw lower returns on capital and about 200,000 jobs were lost. Trade tensions could boost inflation more than desired by Federal Reserve policymakers, who might feel the need to raise rates more aggressively than planned.

6. Could the WTO help resolve the situation? The WTO is supposed to be the arbiter of international trade disputes. It was created in 1995 out of a set of agreements struck by countries trying to reduce trade barriers. If a government's complaint about another nation's trade barriers is seen as grounded, the WTO recommends acceptable retaliation. But the US and China both propose justifying tariffs under domestic law, rather than following established WTO procedures, limiting the WTO's ability to mediate. In the case of aluminium and steel, Trump is invoking a seldom-used clause of a 1962 law that gives him the authority to curb imports if they undermine national security. His administration is studying whether to use the same law to justify restricted automobile imports. Other nations could copy the US move.

7. Are tariffs the only weapon in trade wars? No, there are many others, including clamping down on Chinese investments in the US, as Trump has also done. Intentionally weakening one's currency, which he accuses China of doing, is another. One worry for the US is that China, the US's biggest creditor, will scale back purchases of Treasuries, an option that China's ambassador to the US doesn't rule out. China could also retaliate against the US in non-trade matters. Trump has accused China, for example, of undermining North Korea denuclearisation talks in retaliation for hitting China's exports with tariffs. Countries through the years have used

other means to keep foreign goods out and protect home-grown companies, a practice known as mercantilism. Some practices are blatant, such as quotas and subsidies for domestic industries (which Trump also accuses China of doing); others are less obvious, such as unusual product specifications, lengthy inspections of goods at entry ports and intricate licensing requirements.

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## **Trump presses OPEC to reduce prices as crude trades near \$80**



New York: US President Donald Trump resumed his criticism of Opec, saying on Twitter that the body “must get prices down now!”

Trump's fresh intervention in the oil market comes before a meeting of ministers from the Organisation of Petroleum Exporting Countries and its allies in Algeria on Sunday. His complaint follows signals from Saudi Arabia that it was content to see prices climb above \$80 (Dh294) a barrel. That's been a red line for the White House in the past, provoking the president to direct his first social-media barb against the body since July 4.

Brent crude futures were 0.6 per cent lower in London, erasing an earlier gain of as much as 0.5 per cent to trade at \$78.92 a barrel at 1:07pm local time.

Trump's tweet makes sense "with oil prices close to the highs of the year," said Giovanni Staunovo, commodity analyst at UBS Group AG. "Considering the upcoming Opec meeting in Algiers, he wants to keep pressure on the group ahead of the midterm elections."

the president is returning to a playbook that's won him significant victories already this year. His first attack on Opec came on April 20, just hours after Saudi Arabia's Oil Minister Khalid Al Falih said that Opec would continue its production cuts so that oil prices could rise further. Within a month, the kingdom had performed a dramatic U-turn and by June the body and its allies were promising to add 1 million barrels a day to the oil market.

Prices dipped as low as \$70 in London in August, but have since risen as American sanctions began to significantly curb Iran's oil exports. While Saudi Arabia and Russia have recently boosted output to compensate, it's unclear whether they're willing or able to offset all the losses from Iran.

Saudi Arabia is now comfortable with Brent oil prices rising above \$80 a barrel, at least in the short term, as the global market adjusts to the loss of Iranian supply, people familiar with the kingdom's view said this week.

The change in the kingdom's view on prices coincided with some intense oil diplomacy. In the last two weeks, Al-Falih has met his counterparts from Russia and the US, Alexander Novak and Rick Perry, to discuss the oil market and the impact of US sanctions on Iran. It's unclear, however, whether the Saudis discussed prices with Russian and American officials.

Saudi Arabia has markedly increased oil exports to America, a sign OPEC's leading producer is responding to pressure from Trump. Earlier this month, Saudi shipments into the US reached a four-week average of 1 million barrels a day for the first time since late 2017, according to government data.

– Bloomberg

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**Turkey slashes growth forecasts to boost investor confidence**



Reuters Ankara

Turkey sharply cut its growth forecasts for this year and next yesterday, but disappointed investors who had hoped for a plan to help banks and a deeper reduction in the estimates to reflect the fragile state of the economy.

Turkey has seen its lira currency plunge by 40% this year on concerns about political influence over monetary policy and a bitter diplomatic rift with the US.

The turbulence has shaken global financial markets and raised the prospect of a potential banking crisis at home.

Markets had been hoping that Finance Minister Berat Albayrak's medium-term programme announced yesterday would signal a clear break from the emphasis on credit-fuelled growth that has characterised Turkey's rapid expansion over the last decade and a half.

Albayrak said growth would be 3.8% this year and 2.3% in 2019, both revised down from forecasts of 5.5%.

He also did not deliver the big plans for the banking industry that some analysts had been hoping for, particularly, the creation of a "bad bank" vehicle to take over non-performing loans.

Following the presentation, the chairman of Turkey's BDDK

banking watchdog said there would not be a transfer of problem loans to another institution.

“At the moment, the programme is a disappointment. First, when you look at the growth forecast, the current account deficit forecast, they are too ambitious,” said Guillaume Tresca, a senior EM strategist at Credit Agricole. “We don’t have anything new, regarding a bad bank, regarding the treatment of (non-performing loans), regarding the foreign-exchange funding of the banking system or the foreign-exchange funding of the corporates. It is lacking details and it is lacking news.”

The lira weakened to 6.3100 by 1219 GMT, from around 6.20 beforehand and a close of 6.2541 on Wednesday.

The currency has now erased almost all the gains made since the central bank’s mammoth interest rate hike of 6.25 percentage points last week, underscoring the difficulty policymakers face in putting a floor under the lira and restoring confidence.

Sources told Reuters on Wednesday there was a debate among top government officials about the extent of the growth revisions, highlighting the delicate balance between the long-standing drive for economic expansion and investors’ calls for greater austerity.

Albayrak, President Recep Tayyip Erdogan’s son-in-law, had previously promised “realistic macro targets” and “right action plans”.

“We will see a gradual growth increase from now on. Our main goal is to establish 5% growth from 2021 onwards,” Albayrak told yesterday’s presentation in Istanbul.

He did not take questions.

“We will realise the necessary policies and measures to ensure economic hardships are overcome,” he said. “We are aware of the economy’s strong and weak points.”

For financial markets, the biggest concerns remain inflation – which Albayrak forecast would hit 20.8% this year and 15.9% next year – and the banking sector.

Turkey’s banks face a potential deluge of bad debt as the lira sell-off has driven up the cost for companies to service their

foreign currency loans.

For years Turkish firms borrowed in dollars and euros, drawn by lower interest rates.

JPMorgan estimates that the private sector has around \$146bn in external debt maturing in the year to July 2019.

Ratings agencies Moody's and Fitch have both sounded the alarm about the outlook for banks.

Fitch has estimated that banks' foreign-currency lending stood at around 43% of all loans.

But the government has repeatedly said it does not expect problems in the banking sector.

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## **30% LNG output surge by 2024 to 'drive Qatar's next development phase': QNB**



Qatar's decision to increase LNG output by 30% by 2024 will



“increasingly drive Qatar’s next development phase” as the current multi-year wave of infrastructure spending begins to flatten out in terms of growth contribution, according to QNB.

The 30% increase will boost Qatar’s LNG capacity from 77mn tonnes currently to 100mn tonnes by 2024.

This increase in capacity, QNB said, will require huge investments, both onshore and offshore, including the construction of three new LNG trains to process the gas.

Beyond the direct impact on non-hydrocarbon GDP, this new investment phase, which should begin in earnest from 2020 onwards, will generate substantial multiplier effects on the wider economy, lifting demand for goods and services and driving the country’s development in line with the Qatar National Vision 2030, QNB said in its ‘Qatar Economic Insight – September’.

Non-hydrocarbon GDP is expected to gain by 5% in 2018. Continued infrastructure spending as the government focuses on completing major projects in key sectors will ensure that construction remains the backbone of the non-hydrocarbon sector with forecast growth of 15.5%.

Higher oil prices will also allow for some positive multiplier effects on domestic demand, it said.

Government policies aimed at strengthening the private sector and boosting self-sufficiency and food security will also support demand growth, QNB said.

Sectors of agriculture (8.2% growth), manufacturing (3.2% growth), transportation and storage (3% growth) are expected to be the key beneficiaries with growth in these sectors expected to pick up further in 2019.

Continued population growth, with mid-year population expected to hit a record 2.81mn in 2018 then rising further to 2.89mn

in 2019, will also work to spur additional domestic demand.

For 2019 as a whole, QNB forecasts non-hydrocarbon GDP growth of 5.3%, leaving overall GDP growth at 3.2%.

And GDP growth this year is forecast to improve to 2.6% from 2017's 1.6% out-turn, QNB said.

On the hydrocarbon side, a modest growth of 0.2% is anticipated, which would end four years of declines.

The lifting of Opec production cuts should modestly boost crude oil production, while the end of maintenance work and temporary shutdowns should start to spur a recovery in LNG output through the year.

A further pick up of 0.7% in hydrocarbon output is then expected in 2019, QNB said.

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**China says U.S. putting  
'knife to its neck', hard to  
proceed on trade**



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BEIJING (Reuters) – A senior Chinese official said on Tuesday it is difficult to proceed with trade talks with the United States while Washington is putting “a knife to China’s neck”, a day after both sides heaped fresh tariffs on each other’s goods.

When the talks can restart would depend on the “will” of the United States, Vice Commerce Minister Wang Shouwen said at a news conference in Beijing.

U.S. tariffs on \$200 billion worth of Chinese goods and retaliatory taxes by Beijing on \$60 billion worth of U.S. products including liquefied natural gas (LNG) kicked in on Monday, unnerving global financial markets.

“Now that the United States has adopted such a huge trade restriction measure ... how can the negotiations proceed? It’s not an equal negotiation,” Wang said, stressing the United States has abandoned its mutual understanding with China.

The Chinese government’s top diplomat also told business people at a meeting in New York that talks could not take place against the backdrop of “threats and pressure”, the Foreign Ministry said.

Certain forces in the United States have been making groundless criticisms against China about trade and security issues, which has poisoned the atmosphere for Sino-U.S. ties and is highly irresponsible, State Councillor Wang Yi was quoted as saying, without naming anyone.

“If this continues, it will destroy in an instant the gains of the last four decades of China-U.S. relations,” Wang told members of the U.S.-China Business Council and National Committee on United States-China Relations.

U.S. representatives there included Blackstone Group LP (BX.N) co-founder and Chief Executive Stephen Schwarzman and Mastercard Inc (MA.N) Chief Executive Ajay Banga, the National Committee on United States-China Relations said on its website.

China also accused the United States of engaging in “trade bullyism”, and said Washington was intimidating other countries to submit to its will, according to a white paper on the dispute published by China’s State Council, or cabinet, on Monday.

Several rounds of Sino-U.S. talks in recent months have appeared to produce no breakthroughs, and fresh mid-level negotiations which had been expected in coming weeks have been shelved after Beijing reportedly decided late last week not to send a delegation to Washington.

While Vice Commerce Minister Wang said he still hopes “there is a way out” if both sides treat each other with sincerity, analysts say neither side looks to be in the mood to compromise in the increasingly bitter dispute, raising the risk of a lengthy battle that could chill the global economy by discouraging business investment and disrupting trade.

“The sharp criticism (from Beijing on Monday) suggests that China might prefer to wait out the current U.S. administration, rather than embarking on potentially futile negotiations,” Mizuho Bank said in a note to clients.

“Given these developments, it is increasingly likely that both sides will not resume negotiations for some time, at least until there is a noticeable shift in the political mood on either side.”

## **DISRUPTING GLOBAL SUPPLY CHAINS**

U.S. exporters including LNG suppliers would “certainly” be hurt, but Beijing’s retaliation would provide opportunities to other LNG-exporting countries, Vice Commerce Minister Wang said, adding that Australia is an important source of the fuel for China.

“China is a big and powerful nation, so whether it is a confrontation with China economically or militarily, it would come at a huge price,” the state-backed Global Times said in an editorial on Tuesday.

“As such, it is an attractive prospect for other countries including the United States to coexist with China peacefully,” said the newspaper, which is published by the ruling Communist Party’s People’s Daily.

China does not know why the United States changed its mind after reaching an agreement with China on trade earlier, Wang said. He was apparently referring to talks in May, when it appeared that the two sides had sorted out a framework before

the White House backed away.

Luo Wen, a vice minister at the Ministry of Industry and Information, told a news conference that the government is aware that some foreign companies are considering relocating out of China as the trade row threatens to heighten their risks and costs.

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# China Gas stock seen to rally 40% over 12 months



China's concerted chase for blue skies is making China Gas Holdings a hot stock as the gas distributor carries out an ambitious strategy to convert villages from burning coal to using the cleaner fuel. The stock is poised to rally 40% over the 12 months, according to the consensus of more than 20 analysts surveyed by Bloomberg. That gap over its current share price is the biggest since at least 2004 and is the most among its domestic peers. Shares of Chinese gas distributors have been on a roll, aided by President Xi Jinping's battle against air pollution by curbing the nation's reliance on sooty coal, and China Gas stands out for its rural connectivity strategy.

Fuel substitution in villages will drive the connected household growth, according to Goldman Sachs Group Inc, adding the government will extend environmental protection policies to new cities over the next three years. "Gas distributors continue to connect new customers at a transformational pace, leading to acceleration in both earnings and cash flows," Goldman analysts including Mark Wiseman said in an Aug 31 note. "Rural investment is a differentiator" for China Gas, they wrote. Shares of China Gas have gained 8.3% this year to close at HK\$23.40 on Friday in Hong Kong, compared



with a 12-month target price of HK\$32.69. Of the 26 analysts covering the stock, 13 have the equivalent of a buy rating, while eight recommend holding and five calling for a sell, data compiled by Bloomberg show. The company began targeting rural areas in northern China since the central government strengthened anti-pollution measures by pushing for provinces to switch from coal to gas last year.

Other distributors such as ENN Energy Holdings and China Resources Gas Group Ltd have devoted less resources to rural projects as they're worried about the low margins. China Gas' focus on rural connections may make it vulnerable to changes in policies, such as lower subsidies or tighter restrictions for those projects, according to Jefferies Group LLC and Daiwa Securities Co. Hebei province said in July that new conversion projects will only begin when suppliers are able to confirm gas availability, which could slow the rate of customer switching. Those concerns might be unjustified, said Citigroup Inc, which has China Gas on its "Top Buys" list.