

Global oil demand may reach 98.83mn bpd in 2018: Opec



The total global oil demand is anticipated to reach 98.83mn bpd in 2018; Opec's latest monthly bulletin has shown.

For 2019, Opec forecasts world oil demand to grow by 1.43mn bpd, but some 20,000 bpd lower than the Vienna-based organisation's July assessment.

This, it said, was mainly due to weaker-than-expected oil demand data from Latin America and the Middle East in the second quarter of this year.

Total world consumption is anticipated to reach 100.26mn bpd next year.

The OECD (Organisation for Economic Co-operation and Development) region will contribute positively to oil demand growth, rising by 0.27mn bpd year-on-year, yet with growth of 1.16mn bpd, non-OECD nations will account for the majority of growth expected.

The demand for crude from 15 members of the Organisation of the Petroleum Exporting Countries has been revised down by 0.1mn bpd in August compared to the previous month to stand at

around 32.9mn bpd, the Vienna-based organisation said in its latest monthly market report.

The 2018 crude demand is 0.6mn bpd, lower than a year earlier, Opec said.

Compared with the last monthly oil market report, the first quarter remained unchanged. The second and the third quarters were revised down by 0.2mn bpd each and the fourth quarter was revised down by 0.1mn bpd.

Compared with 2017, the first quarter was 0.1mn bpd higher than the same quarter last year, while the second and fourth quarters are expected to fall by 0.7mn bpd each.

The third quarter is also projected to fall by 0.1mn bpd, Opec said.

According to secondary sources, Opec crude production averaged 32.4mn bpd in the first quarter of 2018, which is 0.1mn bpd higher than the demand for Opec crude.

In the second quarter of 2018, the Opec-15 crude production stood at 32.2mn bpd, which is 0.2mn bpd lower than the demand for Opec crude.

According to the report, the demand for Opec-15 crude for 2019 was revised down by 0.1mn bpd from the previous report to stand at around 32mn bpd, 0.8mn bpd lower than the 2018 level.

Compared to the last monthly report, the first quarter was revised down by 0.1mn bpd and the second and third quarters were revised down by 0.2mn bpd each, Opec said.

The fourth quarter remained unchanged. Compared to the same quarter in 2018, the first and second quarters are forecast to fall by 0.6mn bpd and 0.4mn bpd, respectively.

The third and fourth quarters are expected to fall by 0.9mn bpd and 1.3mn bpd respectively, it said.

Qatargas announces 22-year LNG pact with PetroChina



QNA/Doha

Qatargas has announced a long-term sale and purchase agreement (SPA) with PetroChina International Company Limited to supply China with around 3.4 million tonnes of liquefied natural gas (LNG) per annum.

Under the 22-year agreement, which ends in 2040, Qatargas will supply LNG from the Qatargas 2 project, a joint venture between Qatar Petroleum, ExxonMobil and Total, to different receiving terminals across China, with the first cargo to be delivered to China later this month.

Commenting on this landmark agreement, President and CEO of Qatar Petroleum and Chairman of the Qatargas Board of Directors Eng. Saad bin Sherida al-Kaabi said that the agreement underscores Qatar's trusted capability in ensuring energy security to countries around the world, particularly in Asia.

Al-Kaabi added that the agreement also highlights Qatar's unique position as the world's largest LNG producer, supplying

safely and reliably across the globe, expressing pleasure to be of support to the People's Republic of China in its quest to secure LNG supplies to meet the country's growing energy requirements.

"As we announce this long-term SPA, we look forward to continuing to supply reliable and clean energy to China and to countries all over the world that seek to use the cleanest fossil fuel available to meet their energy needs," al-Kaabi said.

For his part, Qatargas chief executive officer Sheikh Khalid bin Khalifa al-Thani said that the agreement is an important milestone for Qatargas, expressing pleasure that LNG from Qatargas continues to contribute towards meeting the huge demand for energy in the world's second largest economy.

He noted that with China expected to become one of the world's largest gas markets, this SPA will further strengthen the existing relationship between Qatargas and PetroChina over the long term.

The SPA allows flexibility in delivering LNG to various receiving terminals across China, including the Dalian, Jiangsu, Tangshan and Shenzhen LNG receiving terminals, utilising Qatargas's fleet of 70 conventional, Q-Flex and Q-Max LNG vessels.

Qatargas is the world's largest LNG producing company with an annual production capacity of 77 million tonnes.

PetroChina is China's largest gas supplier, supplying 66% of China's domestic demand in 2017. It is anticipated that the People's Republic of China will become one of the world's largest gas markets.

Chinese gas consumption grew by 15% in 2017 alone, with LNG imports growing by more than 40%.

Crude futures stop their rally; Asian spot LNG prices firm



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Oil

Benchmark crude futures stopped their rally last week by losing around 1% and 3% for Brent and WTI respectively. Prices were dragged down by US and Opec production increases, rising US refined product stocks, smaller-than-expected impact from the US Gulf tropical storm Gordon, weak equity markets and economic trade tensions.

Gordon was expected to become a hurricane which initially boosted prices, but the anticipation proved exaggerated as it finally weakened and caused relatively small impact. US gasoline and distillate stocks rose in the latest week by almost five million barrels (mbs) which more than offset the crude stock drawdown of 4.3 mbs. Equity markets were pressured in the US and Europe by rising trade tensions, and the surge in August of US job growth that strengthened the US dollar and

fuelled concerns about a spike in US interest rates. Price losses were limited by supply worries in Iran and Venezuela, and by escalation in Iraq's protests and Syria's war.

China's trade surplus with the US climbed to \$31bn in August, which will fuel the trade tension between the two countries even more. The rising trade tensions along with financial crises' in some emerging markets could impact oil demand negatively, that is expected to exceed 100mn bpd later this year, according to Opec estimates. Therefore, the drivers related to the supply could be of higher uncertainty, and thus of higher importance, in determining the prices in coming weeks.

Gas

Asian spot LNG prices proved firm last week, holding at a four-year seasonal high. Prices continued to grow on the back of steady demand despite a thin trade in a usually off-demand period. Some traders consider that September's imports could be higher than usual, as Asian buyers have to rebuild their inventories for the upcoming winter and they are expected to have learnt from last year's shortages. South Korea's KOMIPO is seeking an LNG cargo for November delivery, while Sinopec is expected to ramp up winter gas purchases, and CNOOC will open its terminals next month to third party access. On the supply side, the issue at Russia's Sakhalin-2 LNG plant has likely been resolved with production ramping up faster than expected, whereas feedgas at Cheniere's Sabine Pass LNG train 4 was lower last week due possibly to an outage.

In the US, Henry Hub natural gas futures dropped almost 5% last week due to softer demand and near-normal storage build. The weak market situation was predominantly caused by tropical storm Gordon that forced power outages and brought cooler weather. In the UK, gas futures surged by 8% last week, making it the seventh weekly consecutive gain. Prices were mainly boosted by some outages, lower imports, and gas demand from the power sector. The closure of the Rough storage site last year, which represented 70% of UK's gas storage capacity, is

forcing lower stock levels. The supportive market situation is expected, by analysts, to continue throughout the winter season.

* This article was supplied
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Al-Attiyah International Foundation for Energy and Sustainable
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**'Qatar-Germany forum a
reflection of distinguished
partnerships'**



QNA/Berlin

HE the Minister of Public Health Dr Hanan Mohamed al-Kuwari said on Friday that the increasing momentum of the Qatar-Germany Business and Investment Forum was a reflection of the distinguished partnership of the two countries in all fields. Al-Kuwari added that the attendance of His Highness the Amir Sheikh Tamim bin Hamad al-Thani and German Chancellor Angela Merkel confirmed the strength of the partnership between the two countries. Al-Kuwari said that His Highness the Amir stressed in his speech on the strength of the partnership, and the promise of the Qatari economy and the expanding role of the private sector in investing in the country's projects. Her Excellency noted the reference of HH the Amir to the non-oil sector as the main driver of the Qatari economy in the coming period, which will be done through investing infrastructure, education, health, transport, and construction of projects related to the World Cup 2022.

HE the Minister of Transport and Communications Jassim Seif Ahmed al-Sulaiti said that the transport sector is the biggest gainer from the investments and the partnerships between Qatari and German companies. HE the Minister said the Ministry signed an agreement with German railway company Deutsche Bahn related to the safety of Doha Metro. Al-Kuwari added that the Ministry also witnessed Qatar Tourism Authority's (QTA) signing of a Memorandum of Understanding (MoU) with German Aida Cruises and Italian Costa Cruises to establish a partnership aimed at developing cruise tourism with the State of Qatar.

Al-Kuwari said that Qatar's ports were the best in the region, highlighting that Hamad port was the best-equipped of its peers. He noted that the port will also be capable to receive the biggest ships starting next month.

For his part, the second deputy-chairman of Qatar Businessmen Association (QBA) and the Managing Director of Qatar International Islamic Bank HE Sheikh Dr Khalid bin Thani bin Abdullah al-Thani stressed on the strength of ties between

Qatar and Germany, particularly in terms of economy.

He added that this year's forum is the latest indication of the strength of those ties and the commitment of both sides to increase them further. He added that His Highness the Amir's announcement that the State of Qatar will invest €10bn in Germany over the coming five years is a reflection of the importance of trade ties between the two sides. He added that QBA welcomed the opportunity to inform the German business community of the promising investment opportunities of the State of Qatar.

Mayor of Berlin Michael Muller said that ties between Doha and Berlin were strong, and that they have a lot of co-operation in the economy and cultural fields. He stressed on the importance of using this year's forum as a base of stronger bilateral co-operation in the future, particularly between SMEs.

The mayor said that it was important the two sides strengthen trade ties, especially due to the great future challenges and changes that lie ahead. He said that as urbanisation continue to gain traction, countries will face ever-increasing challenges like transport and climate change.

He also said that Berlin was the perfect venue for the forum, given the important role the city plays in many fields that are tied to the economy. He also said that a new company is established in Berlin every 20 minutes.

For his part, CEO of Qatar Stock Exchange Rashid al-Mansoori said that the forum was held at a time when Qatar and Germany were growing their investment ties, referencing His Highness the Amir's announcement that Qatar will invest €10bn in Germany over the coming five years as the latest example. He added that the State of Qatar already invests in a number of sectors in Germany that includes auto, technology, financial services, and tourism. The opening of a German university in Qatar adds education to the list of investments in the education field, al-Mansoori added. He also added that Qatar Stock Exchange was always keen on being present in these events to promote investment into the Qatari market,

especially after it became a component of the MSCI index for emerging markets.

On the performance of Qatari stocks this year, he highlighted that they led the region, but maintained that they need more liquidity as it remains a challenge for many equity markets. He noted that work is being done to prepare more companies for IPOs.

The CEO of Qatar International Islamic Bank Abdul Basit Ahmed al-Shaibi said that ties between the State of Qatar and Germany go back decades. He highlighted that Qatar's investments in Germany are around €25bn.

He noted that the forum reflects the two sides' commitment to enhancing their partnership and attracting investments in each direction. He added that another goal was to increase trade volume given Germany's status as one of the strongest economies in the world. He added that there are many promising sectors in the German economy, led by the real estate and hospitality sectors.

He added that the industrial sector was also a known for its strength. He also said that the Qatari side is seeking a real partnership with its German counterpart that truly reflects the strength of their ties. He stressed that the attendance of His Highness the Amir and the German Chancellor to the forum reflects its importance.

The CEO of Al Fardan Group Omar Hussein al-Fardan said that the company participated in all the previous editions of the forum, saying that the current version is the biggest one of them all due to the attendance of His Highness the Amir and the German Chancellor. He added that the attendance of His Highness the Amir gave the forum a stronger momentum, especially after His Highness announced that the State of Qatar will invest €10bn over the next five years.

He said that the group had a strong presence in this year's forum, as it is celebrating the 25th anniversary of the special ties it has with BMW. The group also co-operate with Continental, which was one of the biggest tire companies in the world. He said that they agreed with the group to provide

its product straight to Hamad Port without having to go through its regional offices in Dubai. He added that they have more ideas that they seek to develop and explore with the German side during the event.

Foreign Correspondent – President Trump has taken aim at the sanctity of democracy. Putin provided the gun



WHAT'S THE MOST WORRISOME foreign intrusion into the United States: unauthorized immigrants, Chinese imports or interference in our democracy? For President Donald Trump, it's immigrants and imports. He doesn't care much about the third. "Border security is national security," Trump said on July 13 as he threatened a government shutdown if Congress didn't come up with money to build a wall along the Mexican border (at an estimated cost of between \$21 billion and \$80

billion). Meanwhile, Trump ordered his administration to consider raising tariff rates already proposed on \$200 billion of Chinese goods, from 10 percent to 25 percent, prompting China to threaten higher tariffs on \$60 billion more of American goods.

Yet Trump continues to assert that talk of Russian meddling in American elections is “a big hoax.” And his White House still has no plan for dealing with it. On August 1, Senate Republicans rejected a Democratic proposal to spend \$250 million to replace outdated election equipment and upgrade election security ahead of the midterms. House Republicans voted down a similar measure. Trump didn’t threaten to shut down the government over this. In fact, Trump has it backward. Illegal immigration isn’t the problem he makes it out to be. Illegal border crossings have been declining for years. And if the Chinese want to continue to send us cheap imports that we pay for with U.S. dollars and our own IOUs, that’s as much of a potential problem for them as it is for us. But Russian attacks on our democracy are a clear and present threat aimed at the heart of America. Facebook recently announced it had uncovered a major disinformation campaign with the hallmarks of the same Kremlin-linked Internet Research Agency responsible for election interference in 2016.

Trump’s own Department of Homeland Security found that in the 2016 presidential race, Russian hackers tried to breach election systems in at least 21 states, likely scanned systems in all 50 states, stole the private information of hundreds of thousands of people, and infiltrated a company that supplies voting software across the nation. These findings led to the July indictment of 12 Russian intelligence officers. The meddling continues. Kirstjen Nielsen, secretary of homeland security, sees Russia’s ongoing “willingness and a capability” to hack into the American election infrastructure, including voter rolls and voting machines. FBI Director Christopher Wray warns that “Russia ... continues to engage in malign influence

operations to this day.”

Dan Coats, director of national intelligence, says that the “Russians are looking for every opportunity ... to continue their pervasive efforts to undermine our fundamental values.” Russia isn’t the only foreign source of danger to our democracy. The trial of Paul Manafort, Trump’s former campaign chairman, reveals another. Manafort is accused of hiring a small army of American lawyers and lobbyists from both parties to influence U.S. lawmakers on behalf of Viktor Yanukovich, a Kremlin-connected former Ukrainian strongman, and hiding the money. Another example occurred last spring after Chinese telecom giant ZTE was caught red-handed violating international sanctions on Iran. When the Commerce Department imposed penalties on the company, ZTE hired the big Washington law firm Hogan Lovells. The Trump administration then lifted the sanctions. The timing was curious. Just before Trump came to ZTE’s rescue, Chinese state enterprises agreed to give \$500 million in loans to a project in Indonesia that included Trump-branded hotels, residences and golf courses funneling millions of dollars into Trump’s pockets. When Congress threatened to reinstate the penalties on ZTE, Hogan Lovells turned its sights on lawmakers. The firm’s political action committee made fat donations to legislators who had the power to reduce the penalties. The strategy seems to have paid off. On August 1, the Senate passed a bill containing far weaker sanctions on ZTE than lawmakers originally intended. All this raises the fundamental question of what we mean by national security.

Yes, our borders should be secure, and yes, our trading partners should play fair. But the essence of America- the attribute we must hold most secure because it defines who we are and what we strive for- is a system of government “of the people, by the people, for the people,” as Lincoln put it. If Putin or a Kremlin-connected Ukrainian strongman or even a giant Chinese company undermines this, they rob us of our most

precious legacy. Trump seems to care more about unauthorized immigrants and Chinese imports than about the sanctity of our democracy. This is a tragic mistake. 1:1 • Robert Reich is the chancellor's professor of public policy at the University of California, Berkeley, and a senior fellow at the Blum Center for Developing Economies.

He served as secretary of labor in the Clinton administration, and Time magazine named him one of the 10 most effective Cabinet secretaries of the 20th century. His latest documentary, Saving Capitalism, is streaming on Netflix, and his new book, The Common Good, is available now

Euro bulls may need to look beyond central bank's guidance for support



Bloomberg/Athens

Mario Draghi may disappoint investors who are looking for the euro to go higher. Instead, he may do another balancing act at his press conference on Thursday when presenting new growth and inflation projections that could show the impact of trade wars on the euro-area recovery.

Soft German factory orders suggest escalating global trade tensions are beginning to be felt, and without any fresh economic catalyst, the euro may again struggle on a rally toward \$1.1750 resistance.

Option pricing suggests Draghi will keep forward guidance largely unchanged on September 13 and provide little, if any, reasoning for traders to add fresh upside exposure in the common currency. Slowing asset purchases that will eventually conclude this year is a notion already priced in as euro-dollar orbits the \$1.16 handle.

Economists forecast Draghi will increase the deposit rate by September next year, to minus 0.2% from minus 0.4%, earlier than current market pricing, according to a Bloomberg survey.

The cost to hedge against price swings in the spot market remains close to its year-to-date average and way below the levels seen before previous ECB meetings. Expectations that the euro may see a large move stay near their recent lows, as shown by the so-called butterfly ratio, which shows the demand for options that gain from outsized moves.

The euro's short squeeze since mid-August has resulted in a much more balanced positioning in the short to medium term.

The currency's inability to rise above resistance formed by a series of summer highs at \$1.1740-\$1.1750 suggests investors aren't ready yet to chase the market higher and turn this relief rally to a fresh bullish trend. Draghi is unlikely to provide ammunition for such a move higher and the dollar may stay in mean reversion mode. That may see the euro drop below the 21-daily moving average, currently at \$1.1552, which served as strong support recently. Downside risks to economic growth and uncertainty still surrounding the Italian budget may keep the euro on a pattern that has seen it dropping on the day of the past seven ECB decisions.

قطر تهتم بسوق الطاقة الألماني



برلين - وكالات:

كشف سعد بن شريدة الكعبي الرئيس التنفيذي والعضو المنتدب لقطر للبترول عن مفاوضات مع شركتي RWE و Uniper الألمانيتين من أجل بناء محطة للغاز المسال.. مؤكدا أن قطر تهتم كثيرا بالسوق الألمانية.

وقال في حوار مع صحيفة هاندلسبلات «Handelsblatt» الألمانية الاقتصادية اليومية: لدينا اهتمام جدي بالشراكة في مرفأ ألماني للغاز الطبيعي المسال، ونجري مباحثات مع يونيبر وآر.دبليو.إي.

وأشار إلى أن هناك طريقتين للمشاركة في مرفأ للغاز الطبيعي المسال، إما عن طريق تأمين سعة تخزينية لمزيد من الإمدادات، أو تملك حصة في البنية التحتية للمرفأ.

مضيفا بأنه سيتعين على بناء المرفأ التفكير بشأن الخيارات التي يريدونها ويتعين أن نقرر نحن أفضل ما يناسبنا.

هنا تفاصيل الحوار:

• تريد ألمانيا إنشاء محطة للغاز الطبيعي المسال قريبا في شال ألمانيا، ماذا تقول في هذا الأمر؟

- ترتبط ألمانيا ارتباطا وثيقا بخطوط أنابيب الغاز وترتبط أيضا بمحطات الغاز الطبيعي المسال في بلجيكا وهولندا، بيد أن ألمانيا سوق ناشئة وتعد أكبر بلد صناعي في أوروبا، لذلك من السليم أن يكون لديها محطة استيراد للغاز الطبيعي خاصة بها، لا سيما أن هذا يرفع من أمن التوريد، كما أن التنوع في قطاع الطاقة يعتبر مهما جدا لبلد مثل ألمانيا.

السوق الألماني

• هل قطر مستعدة إذن للمشاركة في بناء محطة للغاز الطبيعي المسال على نهر الألب أو في بحر الشمال؟

- نحن نتحدث مع شركتي Uniper و rwe اللتين تخططان لبناء محطة كهذه في موقعين مختلفين شمال ألمانيا لأننا مهتمون جدا بالسوق الألمانية.

خياران للتفاوض

• هل أنتم مهتمون بالحصول على حصة من ذلك؟

- هناك خياران: يمكن لنا التعاقد على جزء من سعة المحطة وبالتالي فتح خيارات التوريد، أو يمكن الاستثمار كأحد المساهمين في محطة كهذه.

• لكن هل سيتم توصيل الغاز القطري المسال إلى هناك أم أن هذه المحطة لم يتم بناؤها إلا لتخفيف ضغط الرئيس الأمريكي ترامب من خلال شراء الغاز المسال الأمريكي في ألمانيا؟

- نحن لا نرى أنفسنا كموردين قطريين للغاز الطبيعي المسال بل إننا نستثمر في شتى أنحاء العالم ونوسع قدراتنا عالميا في الولايات المتحدة وغيرها، إذن فالأمر يتعلق بتوريد الغاز المسال إلى بلد مهم مثل ألمانيا، ونحن نريد أن نصبح جزءا من حل مشكلة إمدادات الغاز لألمانيا وإذا كانت ألمانيا ترغب في الحصول على محطة خاصة بها فنحن جاهزون للتوريد من قطر وكقطر للغاز من دول أخرى أيضا.

قطر للبترول

• هل تنمو «قطر للبترول» من خلال التوسع في الإنتاج في قطر أو

من خلال البيع للخارج؟

- لقد أتقنا توطيدنا داخل قطر والآن نستثمر في إنتاج الغاز في قبرص، وبالإضافة إلى ذلك نحن نشيطون في جنوب إفريقيا والكونغو والبرازيل وفي الولايات المتحدة أيضا من خلال دخولنا إلى الأرجنتين، ونحن مشتركون في بناء محطات للغاز المسال في أوروبا في إيطاليا مع أكسون موبيل وفي ويلز مع توتال وإكسون موبيل.

سعر النفط

▪ دعنا نتحدث عن سوق النفط، فعلى الرغم من أن قطر لديها أكبر حصة من إنتاج الغاز فإنها تنتج النفط أيضا، أين يذهب سعر النفط؟

- أي شخص بإمكانه أن يقول لي ذلك حقا أدعوه إلى لاس فيغاس.

▪ لكن سيكون لديك توقعاتك وحساباتك؟

- بالطبع ولكن الشيء المهم هو إن يكون لديك أفضل تكاليف الإنتاج حتى بالمقارنة مع المنافسة وإذا استطعت فعل ذلك يمكنني البقاء على قيد الحياة في أي سعر للنفط، ونحن فخورون أننا استطعنا مبكرا جدا أن نكون في أسفل منحنى التكلفة، كما أن كل المشاريع التي نتبعها يتم حسابها بعناية بحيث يمكن العمل في أسعار النفط المخفضة، فقط إذ تم ضمان ذلك اتبع هذه الاستثمارات.

دمج شركتي الغاز

▪ في بداية السنة قمتم بدمج شركتي قطر غاز وراس غاز وهما شركتان للغاز كانتا تحت سيطرة قطر للبترول ولكن يديرهما شركاء آخرون في مشاريع مشتركة، ماذا ستفعلون في المستقبل؟

- قبل كل شيء كان الأمر يتعلق بجعل الشركة أكثر كفاءة وأكثر أمنا وموثوقية وارتفاع الربح في النهاية، لقد كان هناك انخفاض كبير في سعر النفط والغاز ولحسن الحظ أننا قد بدأنا بالفعل برنامج إعادة الهيكلة والشيء المهم هو أن تكون فعالة من حيث التكلفة من أجل البقاء في أي سوق.

'Can electric vehicles really threaten future energy demand?'



The subject of peak oil and gas demand has recently risen to prominence. From concerns over 'peak supply' in the early 2000s, there is now debate over whether the demand for oil and gas is set to decline and, if so, when and how quickly. In its latest research report, the Abdullah bin Hamad Al-Attiyah International Foundation for Energy and Sustainable Development looked at a number of major forecasts that assumed there will be a slowing of demand growth, and a shift away from coal and oil towards gas and renewables, driven by demographic change, economic maturity, and environmental concerns.

Most forecasts generally show rising but slowing oil demand up to 2050, but there are credible scenarios with a peak in the mid-2030s, driven particularly by electric vehicles (EV).

Currently, passenger vehicles make up the single largest category of oil use, with road freight second. The IEA's forecasts show that this remains true to up to 2040, in their New Policies scenario, but that the focus of growth shifts.

The decline in energy demand could be driven by the adoption of electric vehicles, improvements in efficiency, and the substitution of gas by renewable energy. Underlying these trends is the connection between technological advances and a policy push from governments to reduce oil use, primarily because of concerns over climate change. If energy consumption was to peak, it would have major investment consequences for oil and gas producing countries and require urgent efforts at diversification. In the report, the Al-Attiyah Foundation analysed a number of leading energy organisations' forecasts for future oil and gas demand including oil companies: BP, ExxonMobil and Statoil; governmental agencies: International Energy Agency, Energy Information Administration (US), and Opec; environmental NGOs (Greenpeace); and consultancies and think-tanks: Wood Mackenzie and RethinX.

All major forecasts show energy demand growth slowing down over time, as economies mature and become more oriented to services, population growth slows, and efficiency improves. However, none apart from Greenpeace and Statoil's 'Renewal' case has an actual fall in primary energy demand by 2050. The main forecasts suggest about a 40% increase in primary energy demand by 2050, or around 1% per year from now on.

In contrast, primary energy demand grew 2.2% per year on average during 2000- 2016, despite the global financial crisis. No forecast identified shows the opposite is possible, but demonstrated a continuation or even acceleration of energy demand growth, which might come from new technologies, namely: robotics, hypersonic flight, space travel, etc. Nevertheless, within a general trend of increasing energy demand, the distribution between the three fossil fuels and renewables can vary greatly depending on the scenario with

nuclear energy's share remaining at a fairly low and flat level in most scenarios researched. Except in very aggressive scenarios of environmental policy, oil demand is predicted to peak in the mid-2030s at the earliest, or more likely the 2040s or beyond.

Petrochemicals, aviation and shipping, and road freight will support demand, while use in power and industry falls. The key uncertainty is the speed and size of the deployment of electric vehicles (EVs). The share of EVs today is so small that predictions are very difficult. It should become clearer in the early 2020s; EVs will anyway take a significant time to penetrate the existing vehicle fleet. In summary, major oil producers and companies must watch carefully the competitiveness and deployment of non-oil technologies, including EVs but also battery trucks, LNG shipping and non-oil petrochemical feedstocks. Gas demand is more confidently predicted to continue rising, but it faces competition from cheap coal and cleaner renewables.

Thus, it remains essential for major gas producers to continue improving the environmental performance of their fuel, and develop new markets. Read the full article on the Al-Attayah Foundation website https://www.abha-foundation.org/energy_html. In support of their members and stakeholders, the Al-Attayah Foundation gathers up-to-the-minute data and forecasts, which are particularly relevant in the ever-changing energy landscape. The article released by the Al-Attayah Foundation is as an extract from its recent research paper.

Qatar's gas reserves require expansion effort: Al-Sada



HE Minister of Energy and Industry Dr Mohammed bin Saleh al-Sada affirmed that Qatar's large gas reserves require an expansion effort, adding this is why Qatar has decided to increase this sector's growth by 30%. Al-Sada pointed out that this requires efforts in the field of finance and the provision of equipment and construction, considering that an opportunity and a suitable ground for German companies to invest in Qatar.

This came in his speech at the third session of the Qatar Germany Business and Investment Forum (QGBIF) in Berlin, which was held under the title "Industrial development: Key to Doha and Berlin to diversify sources of income."

Al-Sada said: "We invest gas reserves to diversify sources of income, which is in line with the objectives of Qatar National Vision 2030. One of these sources is industry that we use to diversify our sources of income that open up investment-stimulating areas, coupled with what Qatar has taken in this regard to stimulate the private sector to achieve investment growth." He stressed that diversifying sources of income is

not an objective as much as it is a way for Qatar to strengthen the economy.

Al-Sada pointed out that the growth in the gas sector is based on a vision that recognises that gas is a strategic resource on which there is an increase in demand, coupled with an expectation of global demand for gas. The world is expected to achieve 10% growth this year, he said, predicting that the reduction in the price of Qatari gas would meet the global demand by 2030.

He added that the Gulf crisis was a blessing that was exploited well and handled wisely. "Now, after a year had passed since the crisis began, we have implemented our plans extensively to expand our business. There is a turnout of over 500%, which is a good number, and I emphasise here that knowledge-based investment is what we should focus on along with meeting market demands."

He said that in the State of Qatar there are free zones for investment and there are areas subject to government control. In the free zones, there is a 10-year tax exemption on profit, in addition to the tax exemption on exports and imports, in addition to many incentives and facilities and ideas that we apply to attract capital and investors.

With regard to the importance of joint co-operation between Qatar and Germany, CEO and Managing Director of Qatar Petroleum Saad Sherida al-Kaabi said: "We need new technologies and Germany is a leader in the construction industry, and we aim to enhance this aspect and raise efficiency in line with QNV 2030." Al-Kaabi said that there are many new ideas in the private sector, especially in the industrial sector, and many plans and projects presented in cooperation with the financial partners, stressing the need to strengthen relations in this area.

With regard to the development witnessed by the State of Qatar in the production of gas and opportunities for German companies to establish partnerships that contribute to this development, he said the partnership between Qatar and Germany is already exist. "We rely a lot on German technology in the

petrochemical sector and in various energy facilities that require advanced technology,” he said, adding there are many opportunities in this direction.

He further noted that there were opportunities for SMEs. “We need more companies that provide services in the oil and gas sectors, both in logistics and suppliers. There are many good companies that can establish a partnership in Qatar to serve the petrochemical sector, or other areas, which free zones constitute an ideal platform to launch them,” he said.

For German companies outside Qatar, Al-Kaabi confirmed that a horizon for co-operation with them could be opened in the country’s foreign projects such as the gas receiving station in Germany. So there are many business opportunities with the German side, he said.

“At the global level, we are developing our partnership continuously and we have investments in Cyprus, Mexico, Brazil, Argentina and the United States. In Europe, we have a receiving station in Italy and the UK and we supply almost all of Europe with liquefied gas,” he said.

**I Am Part of the Resistance
Inside the Trump
Administration**



I work for the president but like-minded colleagues and I have vowed to thwart parts of his agenda and his worst inclinations.

The Times is taking the rare step of publishing an anonymous Op-Ed essay. We have done so at the request of the author, a senior official in the Trump administration whose identity is known to us and whose job would be jeopardized by its disclosure. We believe publishing this essay anonymously is the only way to deliver an important perspective to our readers. We invite you to submit a question about the essay or our vetting process [here](#).

President Trump is facing a test to his presidency unlike any faced by a modern American leader.

It's not just that the special counsel looms large. Or that the country is bitterly divided over Mr. Trump's leadership. Or even that his party might well lose the House to an opposition hellbent on his downfall.

The dilemma – which he does not fully grasp – is that many of the senior officials in his own administration are working diligently from within to frustrate parts of his agenda and

his worst inclinations.

I would know. I am one of them.

To be clear, ours is not the popular “resistance” of the left. We want the administration to succeed and think that many of its policies have already made America safer and more prosperous.

But we believe our first duty is to this country, and the president continues to act in a manner that is detrimental to the health of our republic.

That is why many Trump appointees have vowed to do what we can to preserve our democratic institutions while thwarting Mr. Trump’s more misguided impulses until he is out of office.

The root of the problem is the president’s amorality. Anyone who works with him knows he is not moored to any discernible first principles that guide his decision making.

Although he was elected as a Republican, the president shows little affinity for ideals long espoused by conservatives: free minds, free markets and free people. At best, he has invoked these ideals in scripted settings. At worst, he has attacked them outright.

In addition to his mass-marketing of the notion that the press is the “enemy of the people,” President Trump’s impulses are generally anti-trade and anti-democratic.

Don’t get me wrong. There are bright spots that the near- ceaseless negative coverage of the administration fails to capture: effective deregulation, historic tax reform, a more robust military and more.

But these successes have come despite – not because of – the president’s leadership style, which is impetuous, adversarial, petty and ineffective.

From the White House to executive branch departments and agencies, senior officials will privately admit their daily disbelief at the commander in chief's comments and actions. Most are working to insulate their operations from his whims.

Meetings with him veer off topic and off the rails, he engages in repetitive rants, and his impulsiveness results in half-baked, ill-informed and occasionally reckless decisions that have to be walked back.

"There is literally no telling whether he might change his mind from one minute to the next," a top official complained to me recently, exasperated by an Oval Office meeting at which the president flip-flopped on a major policy decision he'd made only a week earlier.

The erratic behavior would be more concerning if it weren't for unsung heroes in and around the White House. Some of his aides have been cast as villains by the media. But in private, they have gone to great lengths to keep bad decisions contained to the West Wing, though they are clearly not always successful.

It may be cold comfort in this chaotic era, but Americans should know that there are adults in the room. We fully recognize what is happening. And we are trying to do what's right even when Donald Trump won't.

The result is a two-track presidency.

Take foreign policy: In public and in private, President Trump shows a preference for autocrats and dictators, such as President Vladimir Putin of Russia and North Korea's leader, Kim Jong-un, and displays little genuine appreciation for the ties that bind us to allied, like-minded nations.

Astute observers have noted, though, that the rest of the administration is operating on another track, one where countries like Russia are called out for meddling and punished

accordingly, and where allies around the world are engaged as peers rather than ridiculed as rivals.

On Russia, for instance, the president was reluctant to expel so many of Mr. Putin's spies as punishment for the poisoning of a former Russian spy in Britain. He complained for weeks about senior staff members letting him get boxed into further confrontation with Russia, and he expressed frustration that the United States continued to impose sanctions on the country for its malign behavior. But his national security team knew better – such actions had to be taken, to hold Moscow accountable.

This isn't the work of the so-called deep state. It's the work of the steady state.

Given the instability many witnessed, there were early whispers within the cabinet of invoking the 25th Amendment, which would start a complex process for removing the president. But no one wanted to precipitate a constitutional crisis. So we will do what we can to steer the administration in the right direction until – one way or another – it's over.

The bigger concern is not what Mr. Trump has done to the presidency but rather what we as a nation have allowed him to do to us. We have sunk low with him and allowed our discourse to be stripped of civility.

Senator John McCain put it best in his farewell letter. All Americans should heed his words and break free of the tribalism trap, with the high aim of uniting through our shared values and love of this great nation.

We may no longer have Senator McCain. But we will always have his example – a lodestar for restoring honor to public life and our national dialogue. Mr. Trump may fear such honorable men, but we should revere them.

There is a quiet resistance within the administration of

people choosing to put country first. But the real difference will be made by everyday citizens rising above politics, reaching across the aisle and resolving to shed the labels in favor of a single one: Americans.

The writer is a senior official in the Trump administration.