

ANGVA2U Info 10/2019. 3rd September 2019. (for ANGVA members only)

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1.0 NGVs Population

Below is the estimated population of NGVs in the world and in the Asia Pacific region as compiled by ANGVA. Some of the numbers might not be the latest and also might not be accurate, thus if readers have latest and more accurate numbers, please alert ANGVA at angva@angva.org.

Estimated Population of NGVs (Jul '19)

SUMMARY DATA

World Natural Gas Vehicles:	26,921,564
World Natural Gas Fueling Stations:	31,648

NGV POPULATION: TOP TEN COUNTRIES

Country	NGV Population	Refueling Stations
China*	6,760,000	9,000
Iran	4,502,000	2,400
India	3,254,000	1,528
Pakistan	3,000,000	3,416
Argentina	2,185,000	2,014
Brazil	1,859,300	1,805
Italy	1,004,982	1,219
Uzbekistan	815,000	651
Colombia	571,668	813
Thailand	474,486	502

* China – including 440,000 LNG vehicles and 3,400 LNG refueling stations . Europe - 5500 LNG vehicles and 115 LNG stations.

(Source: NGV Global, ANGVA, and others)

Asia Pacific Region – NGV Population

No.	Country	Total Vehicles	No. of Stations	Remarks
1	China	6,760,000	9,000	Dec '18
2	IR of Iran	4,502,000	2,400	Nov '17
3	India	3,254,000	1,528	Dec '18
4	Pakistan	3,000,000	3,416	Nov '16
5	Thailand	474,486	502	Jul '16
6	Uzbekistan	450,000	213	June '13
7	Bangladesh	298,000	587	Feb '18
8	Malaysia	74,112	103	Nov '17
9	Japan	42,590	314	Mar '13
10	Korea	39,898	197	May '16
11	Myanmar	28,297	46	May '16
12	Indonesia	15,500	103	Dec '17
13	Tajikistan	10,600	53	Dec '07
14	Kyrgyzstan	6,000	6	Dec '07
15	United Arab Emirates	5,500	28	Mar '17
16	Australia	3,110	52	June '13
17	Singapore	1013	1	Jan '18
18	Kazakhstan	1,800	2	Dec '12
19	Afghanistan	1,701	2	Aug '13
20	Vietnam	462	7	July '12
21	New Zealand	65	3	Dec '12
22	Qatar	76	1	Sept '13
		19,058,004	18,483	

2.0 Selected News / Articles

2.1 Malaysia

PetDag expected to review NGV business amid slower demand

By Afiq Aziz. The Malaysian Reserve. Business / News. 30th August, 2019



NGV, which is mainly consumed by the taxi industry, has seen a significant decrease of between 15% and 20% over the past 2 years

pic by TMR FILE

PETRONAS Dagangan Bhd (PetDag) is expected to review its natural gas for vehicles (NGV) business as a result of a continuous drop in the fuel's demand nationwide. PetDag MD and CEO Datuk Seri Syed Zainal Abidin Syed Mohd Tahir (*picture*) said NGV, which is mainly consumed by the taxi industry, has seen a significant decrease of between 15% and 20% over the past two years.

“We’ve seen the demand declining in the last couple of years. This is something we are reviewing. We are discussing with the government on what would be the next form of alternative energy for vehicles.

“The government is drafting a programme. The likes of hybrid and electric cars are coming, so there might be a tipping point where people are converting to these alternative energy vehicles,” Syed Zainal Abidin told the press after the launch of the Petronas Mesra and AirAsia BIG two-way conversion points in Ampang, Selangor, yesterday.

According to the Natural Gas Industry Annual Review 2017 report, 77,000 units of NGV vehicles were on Malaysian roads, or only 0.26% of the total 30 million vehicles registered in the country. Some 103 NGV refuelling stations were operating in 2016, down almost 40% from 178 in 2015. Based on the Petronas MyMesra website, only 72 Petronas stations are now equipped with NGV pumps.

As Petronas is the only NGV supplier in the country, Syed Zainal Abidin said it is still the company's obligation to ensure that fuel remains available to consumers, particularly the taxi industry. “We are obligated to make sure that our NGV stations remain operational to provide NGV to taxis, but since the number is declining, we also need to review and find out the next best thing to do,” he added.

Meanwhile, Syed Zainal Abidin said PetDag also plans to increase the revenue contribution from its non-fuel segment to 30% and 35% in the future from the current 14%. He said the move would provide long-term sustainability for the company as the standard benchmark of revenue in the region currently stands at around 40%.

Syed Zainal Abidin was responding to reports on PetDag's 45% drop in net profit to RM172.75 million for the second quarter ended June 30, 2019, from RM314.42 million in the previous year.

In a Bursa Malaysia filing last week, the company said the drop was due to lower margins for its retail and commercial operations.

“It is a very challenging industry and challenging year for us as consumers are very careful in their spending. So, the long-term goal is to focus our core business on increasing our fuel segment, while expanding our non-fuel account.

“That is why we have been trying to invest in the last couple of years, which is the reason that the capital expenditure was high. We are quite confident of what we have invested in and will see the rewards coming in the future,” he said.

As for the Petronas Mesra and AirAsia BIG collaboration, the former is now part of the latter's instant points exchange platform BIG Xchange.

The project is the two parties' first partnership with a two-way points conversion — giving BIG members and Mesra members more freedom to choose how they use their loyalty points.

Starting today, BIG Members will be able to link their Petronas Mesra account to their AirAsia BIG account via BIG Xchange, available on the AirAsia BIG mobile app, to instantly convert Mesra points to BIG points and vice versa. The conversion is 1,250 BIG points for 600 Mesra points, and 2,000 Mesra points for 500 BIG points.

Source: <https://themalaysianreserve.com/2019/08/30/petdag-expected-to-review-ngv-business-amid-slower-demand/>

2.2 Germany

Natural gas vehicles better than EVs, diesel and petrol, say ADAC

Petrolplaza News. August 29, 2019

A new study by the German Automobile Club reveals that natural gas-powered vehicles are currently the least contaminating when you take all factors into account.



© iStock

Natural gas is currently the fuel that causes less harm to the environment, according to a new study by ADAC (General German Automobile Club). Natural gas-powered vehicles are followed by electric and diesel cars, which are almost on the same level.

The study reveals that once you take into account the life cycle of the of all the essential components, natural gas cars currently have the best carbon footprint of all common drive types.

Only when the electricity used is 100% regenerative, electric car show a significantly better balance than all other types of drive. This is the result of a current life cycle analysis conducted by Joanneum Research. For the study they used vehicles in the so-called "golf class" with an annual mileage of 15,000 kilometres and an overall service life of 15 years.

Compared to gasoline-powered passenger cars, EVs powered by the current German electricity mix can only show its superiority after 127,500 kilometres or 8.5 years of operation. When companred with diesel cars, it only gets worst; only after 219,000 kilometres or 14.6 years is the EV better in terms of climate friendliness.

In order to determine the climate impact, various energy expenditures are considered. These include greenhouse gas emissions from vehicle manufacture and recycling. The emissions resulting from the production, supply and consumption of fuel or electricity are also taken into account by ADAC.

According to the ADAC, the excellent performance of the natural gas car shows how good conventional drive systems can be in the greenhouse gas balance. If the proportion of biomethane from waste and residual materials were to increase further, the results would further improve.

Source: <https://www.petrolplaza.com/news/22835>

2.3 Azerbaijan

Azerbaijani Ecology Ministry: Baku should have more cars running on compressed gas

By Ilhama Isabalayeva. Trend. August 29, 2019



In Baku, more than 70 percent of air pollution is caused by transport, stated Head of the Department of Environmental and Natural Resources Regulation at the Azerbaijani Ministry of Ecology and Natural Resources Mirsalam Ganbarov, [Trend](#)reports.

According to him, the monitoring carried out in connection with the air in the atmosphere shows that the air is more polluted on hot summer and calm days.

Ganbarov noted that the main factors of air pollution also include the accumulation of large industrial enterprises and the dense population of the territory, as well as non-compliance with environmental norms and standards in economic activity.

Ganbarov believes that it is necessary to use more advanced methods, increase the use of electric vehicles, hybrid vehicles, and cars running on compressed natural gas which pollute less air, to minimize the number of vehicles running on diesel fuel and give preference to small-run cars.

"Given that in 2021 the fuel produced in the country will meet the EURO-5 standard, this will also create conditions for reducing the emission of harmful substances into the air," he said

Source: <https://en.trend.az/azerbaijan/society/3111064.html>

2.4 India

CNG price in Delhi hiked by 50 paise, third since April

Economic Times. India Times. September 01, 2019.

The new consumer price will be Rs 47.10 per kg in Delhi and Rs 53.50 per kg in Noida, Greater Noida and Ghaziabad.



Rates were last revised upwards by 90 paise per kg in July.

CNG price in Delhi and its suburbs was on Sunday hiked for the third time since April due to rise in input cost following appreciation of US dollar against the [rupee](#). "This revision in prices would result in an increase of Rs 0.50 per kg in the consumer prices of CNG in Delhi, Rewari, Gurugram and Karnal, and Rs 0.55 per kg in Noida, Greater Noida and Ghaziabad," Indraprastha Gas Ltd (IGL), the city gas operator in the [national capital region](#), said in a statement.

The new consumer price will be Rs 47.10 per kg in Delhi and Rs 53.50 per kg in Noida, Greater Noida and Ghaziabad.

The price of CNG sold to automobiles in Gurugram and Rewari would be Rs 58.95 per kg and in Karnal it would be Rs 55.95, IGL said. This is the third increase in rates since April and the eighth since April 2018.

Rates were last revised upwards by 90 paise per kg in July. Prior to that, CNG price was hiked in April by Re 1 per kg because of a rise in the price of domestic natural gas and fall in rupee's value against the dollar. In all, rates have gone up by Rs 7.39 per kg since April 2018.

IGL, however, did not raise the price of piped natural gas (PNG) it supplies to households in these cities for cooking purposes. Rates of CNG and PNG vary in different cities due to the incidence of local taxes. IGL said it will continue to offer a discount of Rs 1.50 per kg in the selling prices of CNG for filling between 12.00 am to 6.00 am at select outlets in Delhi, Noida, Greater Noida, and Ghaziabad. "Thus, the consumer price of CNG would be Rs 45.60 per kg in Delhi and Rs 52.00 per kg in Noida, Greater Noida & Ghaziabad during 12.00 am to 6.00 am at the select CNG stations," it said.

Explaining the reasons for the CNG price hike, an official spokesperson of IGL said the marginal revision has been necessitated due to the recent appreciation of US dollar against rupee and increase in operational expenses since the last price revision. The base price of natural gas being procured by IGL from all sources is dollar linked, thereby making the entire input price totally dependent on price of dollar vis-a-vis rupee.

"However, this increase would have a marginal impact on the per km running cost of vehicles. For autos, the increase would translate to just over 1 paisa per km, for taxi it would be 2 paisa per km," IGL said.

"With the revised price, CNG would still offer over 52 per cent savings towards the running cost when compared to petrol driven vehicles at the current level of prices. When compared to diesel driven vehicles, the economics in favour of CNG at revised price would be over 27 per cent," it said.

IGL sells CNG to over 10.5 lakh vehicles in the national capital region through a network of over 500 CNG stations. It also supplies PNG to over 11.20 lakh households in Delhi and NCR cities.

Source: <https://economictimes.indiatimes.com/industry/energy/oil-gas/cng-price-in-delhi-hiked-by-50-paise-third-since-april/articleshow/70932861.cms>

2.5 Pakistan

Govt announces Rs4.59 per liter reduction in petrol price

Dunya News. August 31, 2019.



New price of petrol would be Rs 113.24 per liter.

ISLAMABAD (Dunya News) – Pakistan Tehrik-e-Insaf (PTI) government on Saturday announced to reduce the prices of petroleum products effective from September 1. Petrol price would be reduced by Rs 4.59 per liter with new price standing at Rs 113.24 per liter.

According to the notification issued by Ministry of Finance, the prices of high speed diesel, kerosene oil, and light diesel have been lowered by Rs7.67, Rs4.27, and Rs5.63 per liter, respectively. The new respective per-liter prices of high speed diesel, kerosene oil, and light diesel would be Rs 124.80, Rs99.57, and Rs91.89.

On the other hand, Compressed Natural Gas (CNG) price in Punjab has been slashed by Rs 4.40 per liter. As per details, the new price of CNG will be effective from midnight or from September 1 and in Punjab the fuel gas would be sold at Rs85.50 per liter.

The price cut down is due to the drop in RLNG price in international market. RLNG price for September will be worked to be around 10.0897 dollars per mmbtu.

Earlier, prime minister s special assistant on information and broadcasting, Dr Firdous Ashiq Awan, said the benefit of lowered global oil prices would be directly offered to the people.

The second year of Naya Pakistan would bring good news for the people, she added.

Terming it a practical step, Dr Awan further said on Twitter: "Instead of taking the price-cut gain for itself, the people-friendly government will directly pass the benefit of lowered oil prices in the global market to provide relief to the people

<https://dunyanews.tv/en/Business/507480-Govt-announces-Rs4.59-per-liter-reduction-in-petrol-price->

3.0 ANGVA related / participated events

- i. 9th Annual LNG Transport, Handling and Storage 2019. Padma Resort, Bali, Indonesia. 10th – 13th September 2019. This event is organized by All Events Group (AEG), Singapore and supported by ANGVA. More information on this event at: http://www.lng-world.com/lng_bali2019/
- ii. International Conference & Exhibition Wastes Management 2019 ((CEWM 2019), Shah Alam Convention Center, Selangor, Malaysia. 24th – 26th September 2019. Organized by ENSEARCH, Malaysia. ANGVA participating as Moderator of one of the panel discussion. More information on this event can be viewed at: <https://www.ensearchevents.org>
- iii. 12th Regional Environmentally Sustainable Transport (EST) Forum in Asia, 28th – 31st October 2019, Hanoi, Vietnam. Co-organised by Government of Vietnam, Ministry of the Environment of the Government of Japan (MOE-Japan); and the United Nations Centre for Regional Development of Division for Sustainable Development Goals/ UN DESA. The Forum theme is "*Achieving Smart and Resilient Cities through Low Carbon and Intelligent Transport System*". ANGVA participating as delegate. More information on this Forum can be viewed at: <http://www.uncrd.or.jp/index.php?menu=384>
- iv. ANGVA 2019, The 8th ANGVA International Biennial Conference & Exhibition. Jakarta, Indonesia. 25th – 27th Nov 2019. Hosted by ANGVA and Indonesian CNG Association (APCNGI). ANGVA 2019 will be co-located with the Asia Pacific Biogas Forum 2019 and Electric and Fuel Cell Vehicles Forum 2019.

For more information please contact angva@angva.org or aznita@angva.org or visit website www.angva2019.com



Note: Please note that the venue of ANGVA 2019 will be shifted to a new place that will be announced soon.

4.0 End

Any comments and suggestions on the topics and information covered and to be covered in future are most welcome. Please send your comments and suggestions to Lee Giok Seng at email: leegs@angva.org