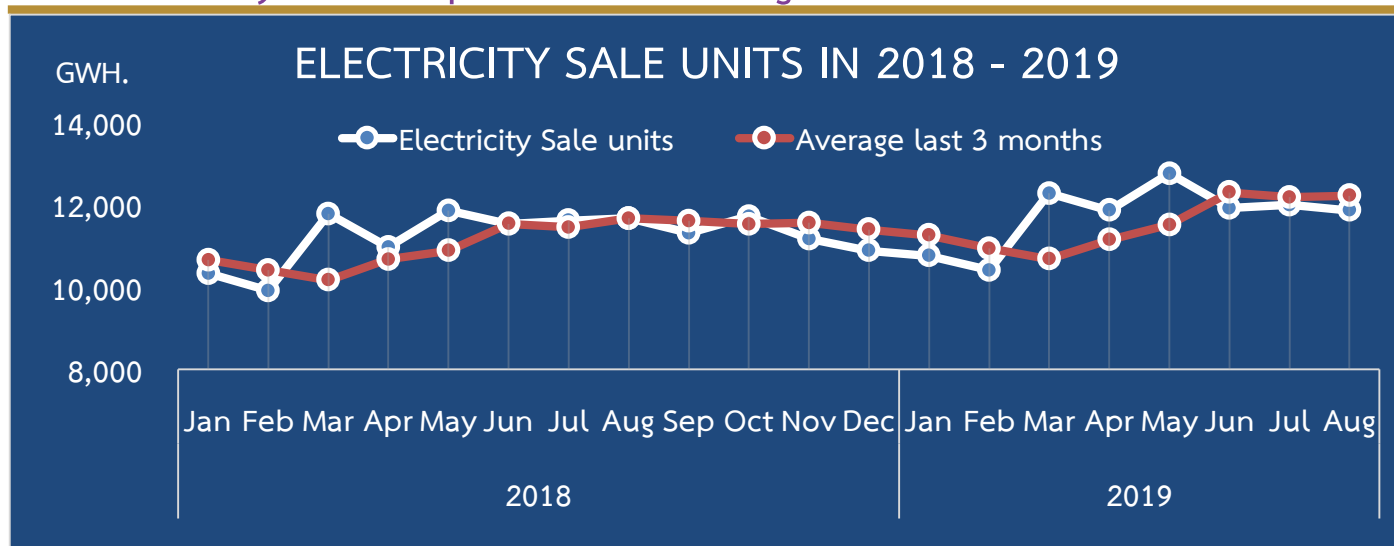


The Electricity Sales Report of PEA in August 2019



The electricity sale units of PEA in August 2019 has increased at 1.67% YoY, owing to a growth of domestic demand for tourism sector by Chinese, Indian and Taiwanese tourists. Nonetheless, public consumption, export and government expenditure declined.

According to the chart, the forecast growth rate in September 2019 has little enhance from domestic consumption and investment of public and private. While, tourism still expand. In the other hand, industrial sector has a trend of reduction.



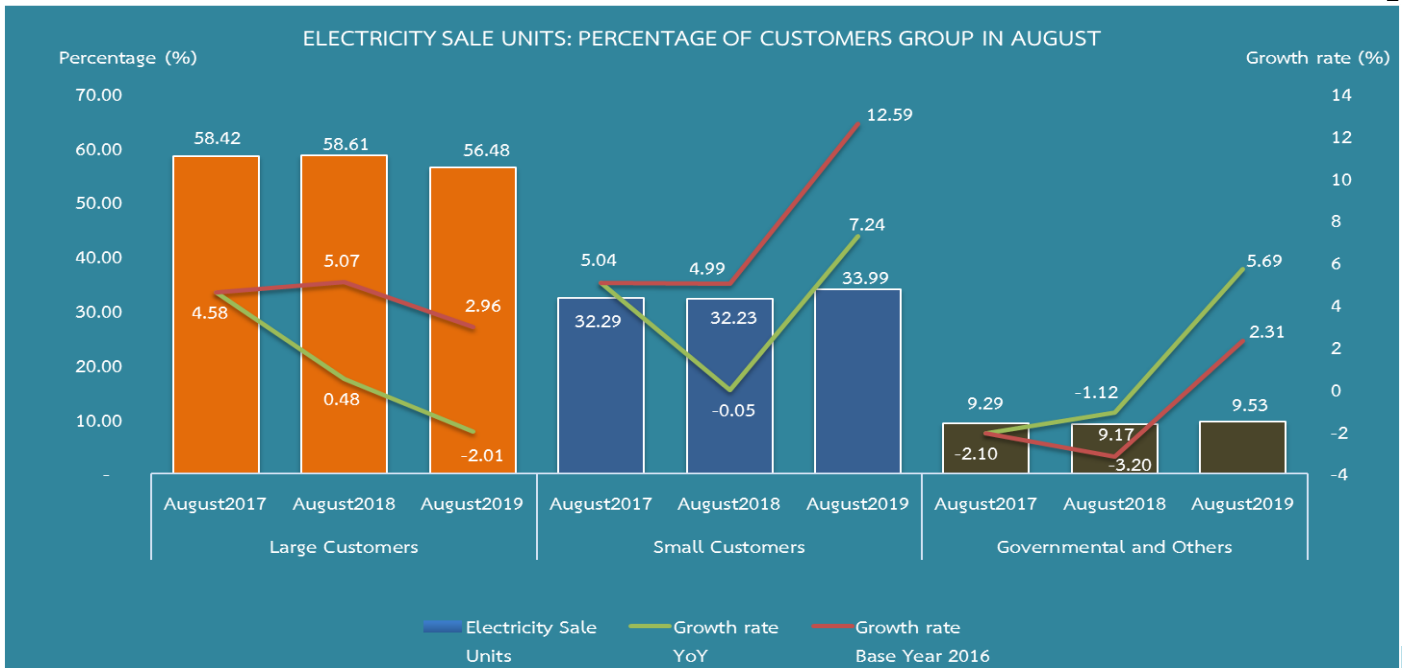
In August 2019, PEA had total electricity sales 11,855.22 million units. It magnified 1.67% YoY.

The residential sector went up 7.93% YoY. Now that, there was higher temperature.

Growth of small and medium industrial sector varied 5.24% and 1.77% YoY, respectively, following a surge of domestic demand for consumption by stimulus policy. As, large industrial sector decreased 2.86% YoY owing to a deceleration of global economic in electronic and automotive segments.

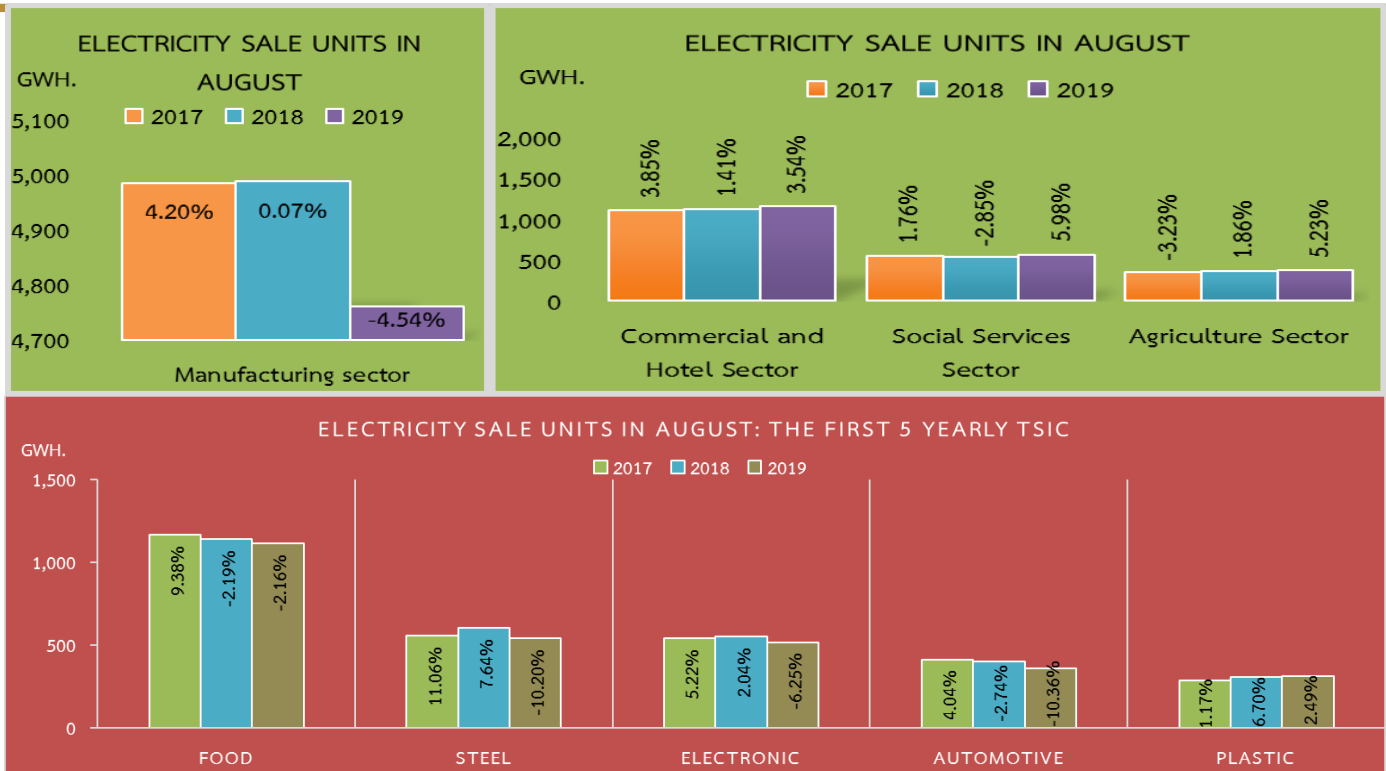
Specific business grew 4.71% YoY, due to the expansion of Chinese tourists who changed destination from Hong Kong to Thailand.

To compare the growth rate between 2019 with base year 2016, it has found that the electricity sales inflated at high level.



Large Customers	Small Customers	Governmental and Others
<p>Growth rate dipped 2.01% YoY. Thanks to, a drop of industrial sector at 3.76% YoY from food, electronics, steel and automotive. The causes were economic deceleration, decreasingly exporting because of trade barrier between U. S. A. and China, including appreciation of Baht currency.</p> <p>While, large commercial sector rose 4.96% YoY. Now that, there were a continually visitation of tourists and a surge of domestic demand from high purchasing power initiating electricity consumption of retail, wholesale and hotel being up.</p> <p>Accordingly, the electricity sales heightened at 2.96% YoY (compared with base year 2016).</p>	<p>Enlarged by 7.24% YoY due to a surge of residential sector at 7.93% YoY. As, there fell by 4.89% MoM from lower temperature in the end of year.</p> <p>Besides, small commercial sector varied 5.29% YoY following the domestic demand.</p> <p>To compare with 2016, the electricity sales intensified by 12.59% YoY.</p>	<p>Increased by 5.69% YoY, owing to a growth of electricity consumption in governmental sector at 5.29 which had a rise of electricity demand for air conditioner in offices following the higher temperature than previous year.</p> <p>Moreover, the others surged 6.52% YoY. Because the electricity consumption of pumping for agriculture and free electricity magnified 38.93% and 3.53% YoY.</p>

Growth (Up/Down) of electricity sale units compare with previous years



Manufacturing sector plunged by 4.54% YoY. There were 5 segments in manufacturing sector.

Food Segment sank 2.16% YoY. Seeing that, electricity consumption in ice factory, which was 19.15% of food segment surged 6.02% YoY. While, Rice mill being 9.47% of food segment decreased 25.57% YoY from drought in mid-year.

Steel Segment declined by 10.20% YoY owing to a fall of manufacture of iron, steel and rolling mill easing 17.07% YoY which plummeted by vehicle orders.

Electronics segment ebbed 6.25% YoY, resulting from downtrend of global exportation for electronics. Since, there was trade barrier between U.S.A. and China causing a decrease of global demand for 9 months.

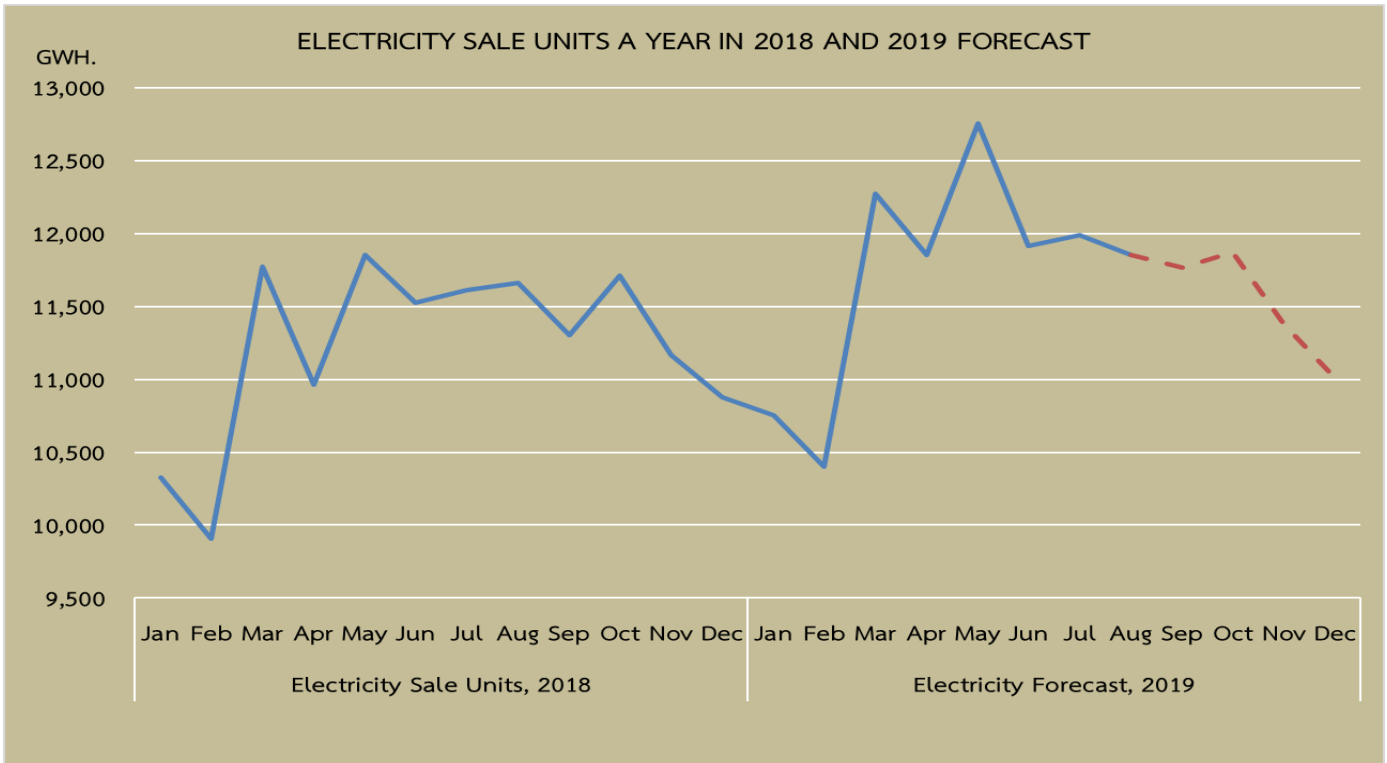
Automotive Industry diminished by 10.36% YoY following a diminution in manufacture of automotive, component, equipment and others. These related to a fall of domestic demand at 7.39% YoY and export value in automotive and component.

Plastic Segment accumulated by 2.49% YoY, by plastic products for container, plastic wrap and car tinted window film.

Sales & Hotel sector increased by 3.54% YoY due to domestic demand for commercial sector reflecting from a variation of retail stores at 6.31% YoY. In addition, the number of Chinese and Indian tourists who visited Thailand went up causing the electricity consumption in hotel segment heightening by 2.44% YoY.

The Social Services sector rose 5.98% YoY, in consequence of electrical consumption in hospitals and universities expanded 5.10% and 4.85% YoY, respectively.

Agricultural sector varied by 5.23% YoY, on account of livestock's electricity consumption being up 7% YoY. While, electricity demand of pumping for agriculture and inland fisheries also surged by 38.93% and 8.71% YoY.



Electricity Sale Forecast

PEA forecasts the electricity sale situation in 2019 to improve. The committee approximated (approximated in September 2018) the electricity sale situation in 2019 that will be expanded 3.81% YoY. There are many factors to impact the electricity sales 2019.

Positive factors

1. The domestic demand expanded from e-commerce, which was more online selling.
2. Extension of waiver Visa on arrival for 21 countries due to 31st October 2019.
3. From restructured in production and administration in public and private organization, there applied new technologies like Big Data, AI, machine Learning, Internet of Things (IoT) and 5G.
4. The improvement of infrastructure in EEC was the factor supporting a confident for domestic and foreign investors.
5. After the election, the political situation was more stable.
6. Government stimulus policy in the year end.

Negative factors

1. Trade barrier between U.S.A. and China, South Korea and Japan and U.S.A. and EU.
2. The political situation between China and Hong Kong was more violent.
3. Supportive policies for SPP Cogeneration, which encourage private sector to play a role in generating electricity for distribution. Then, there was more and more losing customers to SPP.
4. Britain exiting the EU (Brexit) still haven't had a conclusion.
5. The Chinese, European and Russian tourists plummeted from economic deceleration.
6. Baht currency appreciated which caused a decline of competitiveness for export.