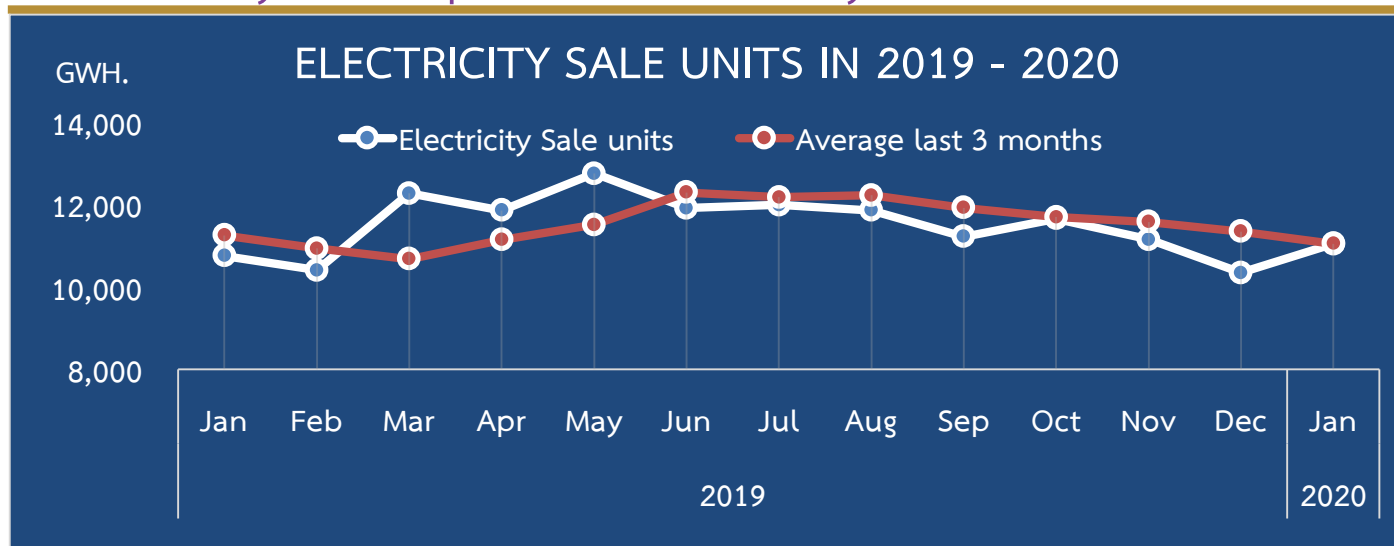
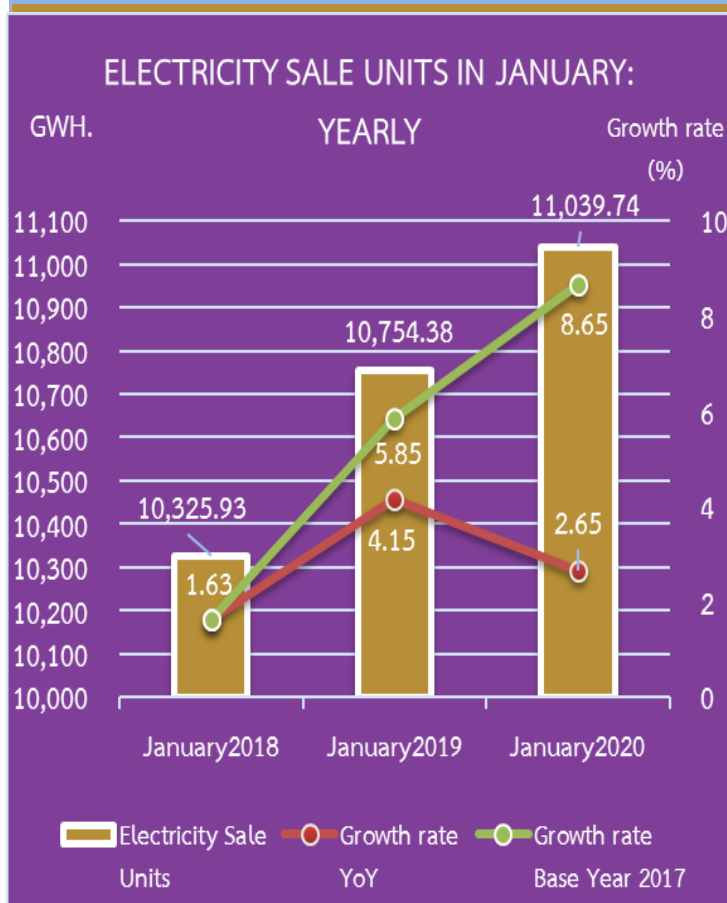


The Electricity Sales Report of PEA in January 2020



The electricity sale units of PEA in January 2020 increased 2.65% YoY following a domestic consumption and New Year's celebration in many areas. Tourism also grew, resulting from domestic tourism and international tourists who early travelled in Chinese New Year. On the other hand, manufacturing sector was affected from a fall in export relating to economic deceleration and trade barrier.

According to the chart, the forecast growth rate in February 2020 is forecasted to escalate from weather and the number of days in February having 29 days. Whereas, tourism segment is affected from the declaration of Chinese government to stop doing business about travelling aboard since 24 January 2020 to control the spread of COVID-19.



In January 2020, PEA had total electricity sales 11,039.74 million units. It increased at 2.65% YoY.

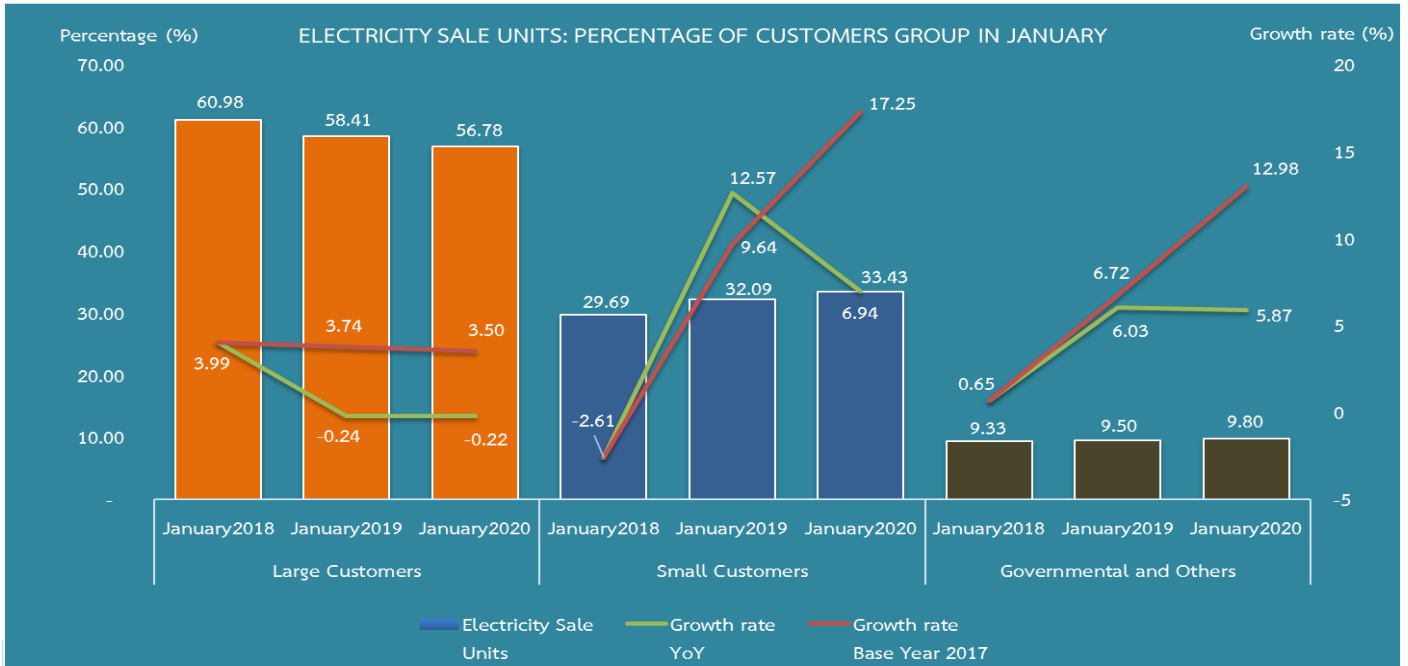
The residential sector varied at 7.74% YoY owing to higher temperature in every region.

Due to high demand for domestic consumption, growth of small and medium industrial sector rose at 4.72% and 3.84% YoY, respectively.

The large industrial sector eased at 1.54% YoY following the decline in demand for goods.

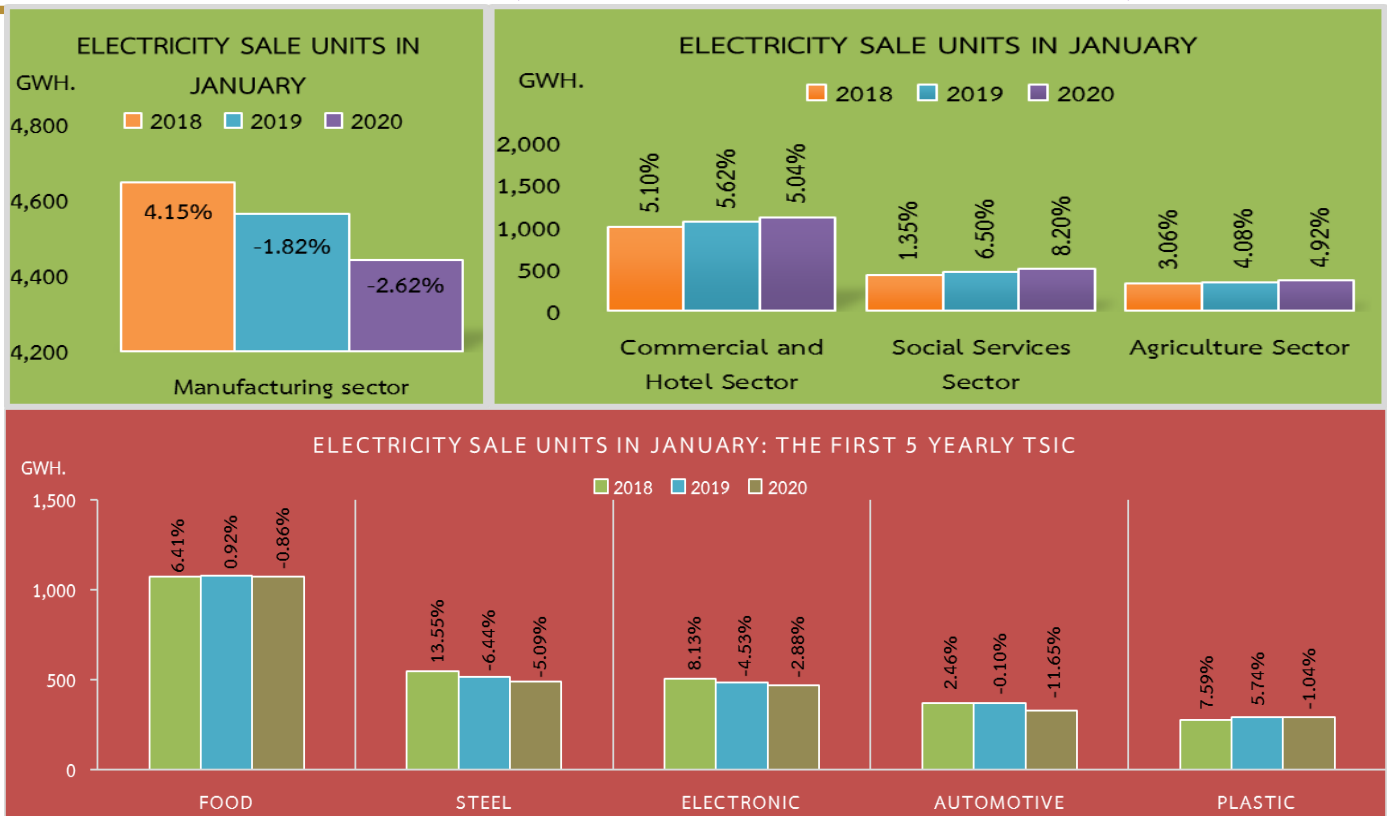
Specific business surged at 9.94% YoY, reflecting from the number of tourists and electricity consumption in hotel which grew at 6.36% YoY.

To compare the growth rate between 2020 with base year 2017, it has found that the electricity sales jumped by 8.65% YoY.



Large Customers	Small Customers	Governmental and Others
<p>Growth rate fell at 0.22% YoY. Thanks to, a drop in industrial sector's customers at 1.83% YoY from trade barrier causing a drop of 2.62% in electricity consumption of manufacturing sector.</p> <p>While, large commercial sector surged at 5.94% YoY by reason of an increase in electrical demand of commercial and hotel sector at 5.04% YoY from goods and services consumption.</p> <p>Accordingly, the electricity sales climbed by 3.50% YoY (compared with base year 2017).</p>	<p>Rose at 6.94% YoY due to an escalation in residential sectors at 7.74% YoY, especially large residence consuming electricity more than 150 units rocketed at 9.87% YoY. The causes were high temperature and dust affecting to an increase in usage of air conditions and air purifiers.</p> <p>Small commercial sector grew 4.97% YoY thanks to electricity consumption of convenient stores, grocery stores and retail stores.</p> <p>To compare with 2017, the electricity sales accreted by 17.25% YoY.</p>	<p>Escalated at 5.87% YoY, owing to a growth in electricity consumption of governmental and state owned enterprise sector at 6.22% YoY from hot weather affecting to air condition's usage.</p> <p>Moreover, the others surged 5.27% YoY because free electricity which rose at 5.54% YoY and an accretion in electricity consumption of pumping for agriculture because of drought.</p>

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



Manufacturing sector declined at 2.62% YoY. There were 5 segments in manufacturing sector.

Food Segment sank at 0.86% YoY. Seeing that, electricity consumption in tapioca flour factory, which was the second large proportion in electrical consumption of food segment decreased at 11.49% YoY. Besides, rice mill plunged at 9.32% YoY due to lacking of ingredient from drought. On the other hand, electricity consumption in ice factory increased 7.54% YoY from hotter temperature.

Steel Segment declined at 5.09% YoY owing to a fall in vehicle sales and construction.

Electronics segment ebbed at 2.88% YoY, resulting from a fall in export to China and Hong Kong of electrical circuit, fax machine and smart phone's equipment and component.

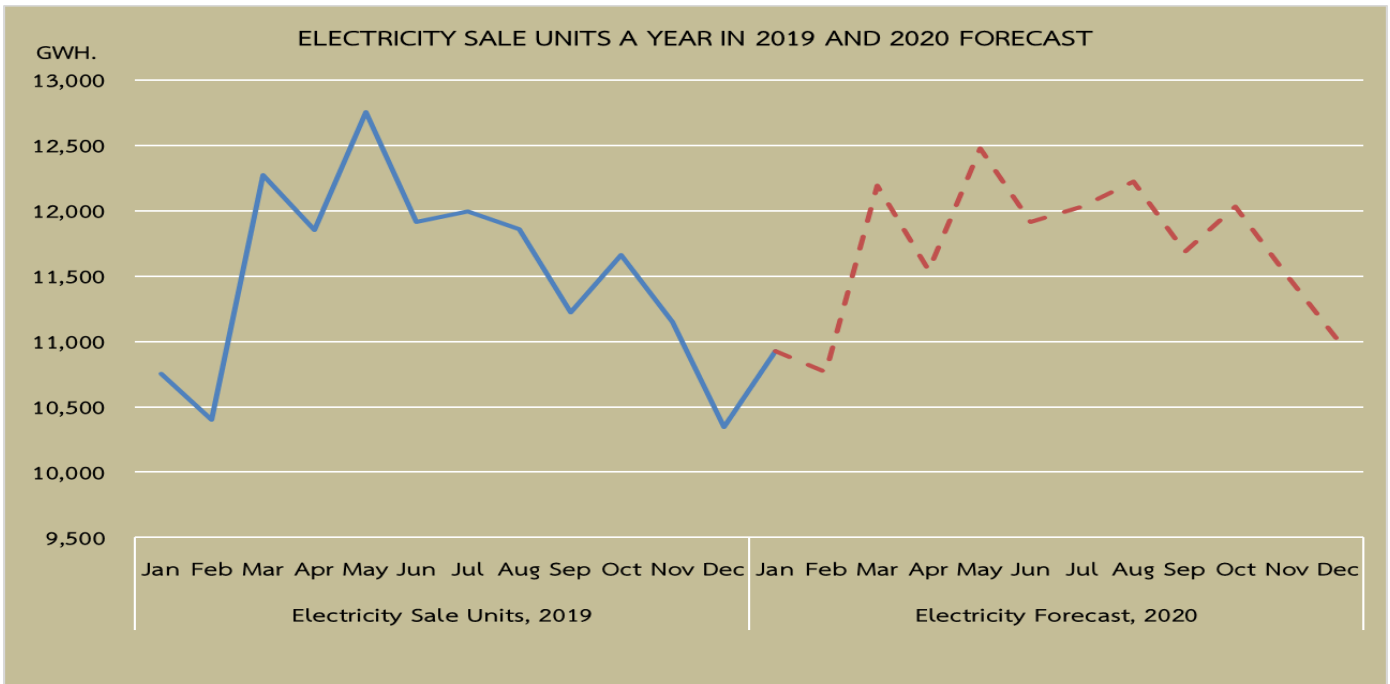
Automotive Industry diminished at 11.65% YoY following an easing in domestic vehicle's sales at 8.16%. In addition, there was a decrease in export of vehicle, equipment and component to Australia, Vietnam, South Africa and Malaysia.

Plastic Segment dipped at 1.04% YoY, by no plastic bags campaign causing a plummet in domestic demand for plastic bags.

Sales & Hotel sector increased at 5.04% YoY. Due to the fact that tourists, especially Chinese, traveled to Thailand in Chinese New Year.

The Social Services sector grew at 8.20% YoY, in consequence of electrical consumption in office and non-profit organization from higher temperature.

Agricultural sector surged at 4.92% YoY, on account of electricity consumption in livestock, inland fisheries, planting, breeding, vegetable garden and orchards.



Electricity Sale Forecast

PEA forecasts the electricity sale situation in 2020 to improve around 1.53% YoY which was lower than previous year from residential sector in first half of the year. There are many factors to impact the electricity sales 2020.

Positive factors

1. The temperature will be expected to similar with previous year.
2. The epidemic of COVID-19 caused people who are risk to be quarantine for 14 days. Moreover, people avoid to go to public areas and work from home to minimize the risk of infection.
3. Commercial and transportation sectors, especially Delivery business, more consumed electricity. Since, people seldom went to department store and hoarded goods for consumption via delivery instead.
4. There was a high demand for goods and food to prevention of infection.

Negative factors

The causes of the outbreak of COVID-๑๙;

- Chinese government declared to stop doing business about tourism. This affected to hotel and business related to tourism in Thailand because most of these business depend on Chinese tourists.
- Some goods production had to stop run their business to prevent and minimize the risk for workers.
- The economic deceleration affected to export.
- There was an easing in electricity consumption of hotels and department stores because a few of seminar was held and people declined to buy goods from department stores.