



Frequently Asked Questions (FAQ) IMBALANCE COST PASS-THROUGH (ICPT)



1. What are the ICPT quantum as announced by the Government for the period of 1 July – 31 December 2024?

As announced by the Ministry of Energy Transition and Water Transformation (PETRA) on 29th June 2024, the Government has agreed to continue the implementation of the Imbalance Cost Pass-Through (ICPT) mechanism for the period of 1 July – 31 December 2024, the ICPT quantum for the period is as follows:

Domestic Customers (Tariff A)

Electricity consumption of 600 kWh and below	Maintain ICPT Rebate of 2 sen/kWh
Electricity consumption of between 601 kWh to 1,500 kWh	Exempt from the ICPT Surcharge (Zerorised)
Electricity consumption above 1,500 kWh	Maintain ICPT surcharge of 10 sen/kWh

Non-Domestic Customers

Low Voltage Commercial and Low Voltage Industrial (LV), Special Agricultural tariffs (Tariff H, H1 and H2), Identified Water and Sewerage Operators	Reduce ICPT Surcharge to 2.7 sen/kWh (Previous ICPT surcharge was 3.7 sen/kWh)
Other Commercial and Industrial tariffs such as Medium Voltage (MV) and High Voltage (HV) Commercial, Medium Voltage (MV) and High Voltage (HV) Industrial, Mining and Streetlight* <i>*Consists of Streetlights, Neon & Floodlights, Individual Streetlights and Individual Compound Lighting</i>	Reduce ICPT Surcharge to 16 sen/kWh (Previous ICPT surcharge was 17 sen/kWh)
Streetlight (Under Local Authorities)	Reduce ICPT Surcharge to 9 sen/kWh (Previous ICPT surcharge was 10 sen/kWh)

Note: For Water and Sewerage Operators, the 2.7 sen/kWh surcharge covers all tariffs, excluding domestic accounts, Tariff A.

2. Who will be affected by the ICPT rebate or surcharge from 1 July – 31 December 2024?

All categories of customers, either Domestic or Non-Domestic, will be impacted by the ICPT implementation, either in the form of a rebate or surcharge, as announced by Ministry of Energy Transition and Water Transformation (PETRA) on 29th June 2024.

The electricity tariff adjustment for the customers in Peninsular Malaysia from 1 July – 31 December 2024, is as follows:

NO ELECTRICITY TARIFF INCREASE FOR ALL CUSTOMERS ON THE PENINSULA

RETARGETING OF ELECTRICITY SUBSIDIES FOR THE PERIOD 1 JULY TO 31 DECEMBER 2024

Imbalance Cost Pass-Through (ICPT) rebate and surcharge rates for domestic customers and non-domestic customers effective **1 July until 31 December 2024:**

Customer Type	Usage Category	ICPT Charge
DOMESTIC CUSTOMERS (TARIFF A)	Up to 600 kWh	Rebate 2 sen/kWh
	Between 601 - 1,500 kWh	No surcharge
	Above 1,500 kWh	Surcharge 10 sen/kWh
NON-DOMESTIC CUSTOMERS	Low Voltage Commercial and Industrial Tariffs (B & D), Specific Agriculture Sector Tariffs (H, H1 & H2), Water and Sewerage Operators	Surcharge 2.7 sen/kWh (REDUCED*)
	Other Commercial and Industrial Tariffs (Medium Voltage and High Voltage Commercial, Medium Voltage and High Voltage Industrial, Mining, Streetlights**)	Surcharge 16 sen/kWh (REDUCED*)
	Streetlight (under Local Authorities)	Surcharge 9 sen/kWh (REDUCED*)

*Based on a comparison of ICPT charges for 1 January 2024 to 30 June 2024 **Consists of Streetlights, Neon & Floodlights, Individual Streetlights and Individual Compound Lighting

To understand what ICPT is and how it is calculated, please visit <https://myelectricitybill.my>

<https://www.st.gov.my>

3. What is Imbalance Cost Pass-Through (ICPT)?

ICPT is a mechanism under the Incentive Based Regulation (IBR) framework approved by the Government and implemented since 1 January 2014 which allows TNB, as the utility, to reflect changes in fuel and other generation-related costs in the electricity tariff. This is because these costs are set based on benchmarked prices in the base tariff. The implementation of ICPT, which occurs every six (6) months would reflect the actual costs in tariff in the form of either rebates or surcharges. Furthermore, the impact of the ICPT implementation is neutral on TNB and will not have any effect on its business operations and financial position.

4. What are the major factors contributing to the surcharge given in ICPT for the period of 1 July – 31 December 2024?

Under the ICPT mechanism, fuel and generation costs will be reviewed every six (6) months and passed through to the customers in the form of rebates or surcharges depending on cost savings or cost increases within that stipulated period. In Peninsular Malaysia, more than 90% of the electricity generated uses coal and gas, and the cost of coal has increased significantly since October 2021.

Due to this, the cost of fuel to generate electricity has been significantly higher than the approved prices determined for the Third Regulatory Period (RP3), which has led to an increase in generation costs resulting in an ICPT surcharge. This makes a huge impact on the electricity tariffs in Peninsula Malaysia because ~57% of the generation source is from coal.

The increase in coal prices is global and beyond the Government's control. Moreover, not just in Malaysia but also globally, all electricity generation sectors are under pressure due to the increase in fuel costs.

5. Who is responsible for the ICPT calculation methodology?

The calculation and methodology of the ICPT mechanism are determined by the Energy Commission (Suruhanjaya Tenaga) and are subject to the Government's approval on a 6-monthly basis.

6. What are the components of the Imbalance Cost Pass-Through (ICPT) mechanism?

There are two key components in the ICPT mechanism:

- **Fuel Cost Pass-Through (FCPT):** The FCPT component captures any variation in fuel costs (specific to piped gas, liquefied natural gas (LNG) and coal) due to changes in the fuel price, fuel quantity, generation mix, exchange rate, etc.
- **Generation-Specific Cost Pass-Through (GSCPT):** The GSCPT component captures any variation in other generation-specific costs as a result of changes in other costs associated with the Power Purchase Agreements (PPAs) & Service Level Agreements (SLAs) as well as fuel procurement contracts i.e. Coal Supply Agreement (CSA), Coal Supply and Transportation Agreement (CSTA), Gas Supply Agreement (GSA) / Gas Framework Agreement (GFA), etc.

7. How is the ICPT amount pass-through to customers being calculated?

The ICPT is calculated based on an estimated actual fuel cost and generation-related costs for a particular six-month period against the corresponding baseline costs in the Base Tariff.

Since 2015, Government has successfully implemented twenty (20) ICPT cycles and for the period 1 July – 31 December 2024, Government has allocated RM2,192 million in total on electricity subsidies.

8. How is the ICPT amount pass-through will impact my bill?

ICPT is charged for each kWh of electricity consumed. The ICPT charge is a variable component of the electricity bill where the ICPT rate is based on your monthly electricity usage. ICPT is directly passed through, and its calculation is according to the monthly electricity consumption in kWh multiplied by the ICPT rate (sen/kWh). This ICPT charge will then be added or subtracted from your current bill amount.

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9. How is ICPT calculated for solar consumers, such as Net Energy Metering (NEM)?

Customers with solar generation such as Net Energy Metering (NEM), Self-Consumption (SelCo) are also subjected to the ICPT implementation based on the categories listed above. The ICPT calculation will be based on import consumption (kWh) from the grid. Customers with solar generation, who do not have battery storage, are still consuming energy from the grid during non-solar generating hours, and hence, are affected by the ICPT adjustments.

10. Do all customers pay the same amount of ICPT charges?

No. The ICPT charge on your electricity bill may differ from your neighbours as the ICPT charges depend on your energy consumption (kWh) in a month. Therefore, this amount varies from one customer to another as well as from month to month, depending on the energy consumed.

Customers are advised to implement electricity-saving measures as recommended by the Energy Commission (Suruhanjaya Tenaga) to optimise their energy consumption and cost.

11. What are the initiatives from the Government for customers to anticipate in the next ICPT rate?

The government has provided a **user-friendly ICPT Calculation platform** through <https://myelectricitybill.my> which customers may reach through the Suruhanjaya Tenaga's official website (www.st.gov.my/en/web/press) for more information. The ICPT Calculator will help customers estimate the ICPT rate on their monthly electricity bills beginning from January 2024

The purpose of this ICPT Calculator is to educate customers to be more sensitive and alert to the changes in fuel prices and foreign exchange rates in the market. Customers can key in the coal and gas price forecasts as well as the fuel price and forex forecast to estimate the cost of ICPT at the next tariff adjustment.

Apart from that, as a measure to reduce the cost of electricity bills, customers are encouraged to practise energy efficiency. Many simple ways can be done to save and reduce electricity consumption, which are:

1. Conduct energy consumption audits by monitoring and analysing electricity consumption as well as identifying equipment, processes and systems that can be improved to avoid energy wastage;
2. Identify and acquire electrical appliances that have 4 or 5-star ratings which provide more electrical energy savings. Among the electrical equipment are air conditioners, refrigerators, rice cookers, microwaves, televisions and washing machines;
3. Ensure all switches are off when not in use to avoid wastage of electrical energy;
4. To use the electrical appliances more efficiently, for example, setting the air conditioner temperature between 24°C and 26°C;
5. Take advantage of the e-rebate of up to RM400 given by the Government through the SAVE 4.0 programme for the purchase of energy-efficient air conditioners and refrigerators with a 4 or 5-star rating and are recognised by the Energy Commission; and
6. Apply for Net Energy Metering (NEM) programme, which has been extended until 2024 as announced by the Government as a measure to minimise the cost of customers' electricity bills. Starting 1 April 2024, a new NEM Rakyat customer will receive rebate of 1,000/kwAC up to a maximum of RM4,000 under the new Solar for Rakyat Incentive Scheme (SolarIS) program.

12. Is eKasih Program still continuing? How can customers eligible apply for eKasih?

The RM40 Electric Bill Rebate Programme is a targeted Government assistance initiative to finance monthly electricity bills of up to RM40 to those who are underprivileged and registered in the eKasih system.

The programme was announced by the Government in the 2019 Budget Speech on 2 November 2018, replacing the RM20 Electric Bill Rebate Programme, which ended in December 2018. In 2024, this programme is continued under the *Miskin Tegar* category of the eKasih system.

Eligibility for the RM40 Electricity Bill Rebate Programme can be verified at the Ministry of Energy Transition & Water Transformation (PETRA) portal <https://semakanrebat.petra.gov.my/apps/public/index.php> or by contacting MyGCC hotline at 03-8000 8000 or TNB CareLine 1-300-88-5454.

Eligible eKasih recipients that have an active TNB account (Tariff A, Domestic) will automatically receive RM40 rebate in their monthly electricity bills. For eligible eKasih recipients without TNB registered accounts, an application may be submitted to declare third-party accounts by submitting the application form (<https://semakanrebat.petra.gov.my/apps/public/borang.php>) to the nearest Kedai Tenaga.