



การไฟฟ้านครหลวง
Metropolitan Electricity Authority

About Electrical Tariffs

Effective as from the billing month of June 2012



Vision

Moving towards a high performance organization and becoming a leader in the power distribution business with service excellence while simultaneously enhancing the strength of related business and the responsibility for the society and environment.

Leveraging for Tomorrow

ต่อยอดสู่วิถีชีวิตอนาคต



About

Electrical Tariffs

Effective as from the billing month of June 2012

This guidebook is made of used agricultural materials mixed with 100% recycling papers.



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Schedule 1 : Residential Service

APPLICABILITY

This schedule of tariff is applicable to household and other dwelling places, temples and other religion places of worship, including its compound, through a single Watt-hour meter.

1.1 Normal tariff with consumption not exceeding 150 kWh per month

MONTHLY TARIFF

Energy Charge

First 15 kWh (1 st – 15 th)	1.8632	Baht/ kWh
Next 10 kWh (16 th – 25 th)	2.5026	Baht/ kWh
Next 10 kWh (26 th – 35 th)	2.7549	Baht/ kWh
Next 65 kWh (36 th – 100 th)	3.1381	Baht/ kWh
Next 50 kWh (101 st – 150 th)	3.2315	Baht/ kWh
Next 250 kWh (151 st – 400 th)	3.7362	Baht/ kWh
Over 400 kWh (up from 401 st)	3.9361	Baht/ kWh

Service charge (Baht/Month): 8.19

1.2 Normal tariff with consumption exceeding 150 kWh per month

MONTHLY TARIFF

Energy Charge

First 150 kWh (1 st – 150 th)	2.7628	Baht/ kWh
Next 250 kWh (151 st – 400 th)	3.7362	Baht/ kWh
Over 400 kWh (up from 401 st)	3.9361	Baht/ kWh

Service charge (Baht/Month): 38.22

1.3 Time of Use Tariff (TOU Tariff)

MONTHLY TARIFF

Voltage Level	Energy Charge (Baht/kWh)		Service Charge (Baht/Month)
	On Peak	Off Peak	
1.3.1 12 - 24 kV	4.5827	2.1495	312.24
1.3.2 Below 12 kV	5.2674	2.1827	38.22

On Peak : Monday – Friday from 09.00 AM to 10.00 PM

Off Peak : Monday – Friday from 10.00 PM to 09.00 AM

: Saturday – Sunday, National Labor Day and normal public holiday

(excluding substitution holiday and Royal Ploughing Day) from 00.00 AM to 12.00 PM

Notes :

1. The customer who installed the Watt-hour meter of up to 5 amperes, 230 volts, 1 phase, 2 wires, will be classified under tariff No.1.1. However, if his energy consumption exceeds 150 kWh per month for 3 consecutive months, he will be classified under tariff No. 1.2 in the following month. But if, his energy consumption in the later months is less than 150 kWh per month for the subsequent 3 consecutive months, he will be reclassified under tariff No.1.1.
2. The Customer who installed Watt-hour meter of up from 5 amperes, 230 volts, 1 phase, 2 wires, will be classified into the tariff No.1.2.
3. A customer under tariff No. 1.2 may choose to be under tariff No.1.3, and he or she is required to notify the MEA in advance and must pay for a TOU meter or service charges for a TOU meter in addition to the normal service charge and may switch to tariff No.1.2 following a minimum use of twelve (12) months.
4. Religious centre, including its compound, may choose to be classified under Schedule 6.
5. Customers shall pay a monthly service charge although there is no electricity consumption during that month.
6. A customer under No. 1.1 (Schedule 1, under no. 1.1) who installed the Watt-hour meter of up to 5 amperes and used electricity not over 50 units per month can use electricity free of charge in that month.

Schedule 2 : Small General Service

APPLICABILITY

This schedule of tariff is applicable to a business enterprise, business enterprise cum residence, industrial, government institutions and state enterprise or the alike, including its compound, with a maximum 15-minute integrated demand of less than 30 kilowatt through a single Watt-hour meter.

2.1 Normal Tariff

MONTHLY TARIFF

Voltage Level	Energy Charge (Baht/kWh)	Service Charge (Baht/Month)
2.1.1 12 - 24 kV	3.4230	312.24
2.1.2 Below 12 kV		46.16
First 150 kWh (1 st – 150 th)	2.7628	
Next 250 kWh (151 st – 400 th)	3.7362	
Over 400 kWh (up from 401 st)	3.9361	

2.2 Time of Use Tariff (TOU Tariff)

MONTHLY TARIFF

Voltage Level	Energy Charge (Baht/kWh)		Service Charge (Baht/Month)
	On Peak	Off Peak	
2.2.1 12 - 24 kV	4.5827	2.1495	312.24
2.2.2 Below 12 kV	5.2674	2.1827	46.16

On Peak : Monday – Friday from 09.00 AM to 10.00 PM

Off Peak : Monday – Friday from 10.00 PM to 09.00 AM

: Saturday – Sunday, National Labor Day and normal public holiday

(excluding substitution holiday and Royal Ploughing Day) from 00.00 AM to 12.00 PM

Notes:

1. In any monthly billing period of the customer under this Schedule, the customer with a maximum 15-minute integrated demand up from 30 kW will be classified under Schedule 3 under 3.2, 4 under 4.2 or 5 under 5.2, as the case may be. He will be reclassified under Schedule 2 whenever the said demand is lower than 30 kW for twelve (12) consecutive months.
2. The customer under No. 2.1 may choose to be under tariff No. 2.2. He or she is required to notify the MEA in advance and must pay for a TOU meter or service charges for a TOU meter in addition to the normal service charge and may switch to tariff No.2.1 following a minimum use of twelve (12) months.
3. Customers shall pay a monthly service charge although there is no electricity consumption during that month.

Schedule 3 : Medium General Service

APPLICABILITY

This schedule of tariff is applicable to a business, industrial, government institutions and state enterprise, as well as the foreigner entities and international organisations including its compound, with a maximum 15-minute integrated demand from 30 to 999 kilowatts. Of which the average energy consumption for three (3) consecutive months through a single Watt-hour meter does not exceed 250,000 kWh per month.

3.1 Normal Tariff

MONTHLY TARIFF

Voltage Level	Demand Charge (Baht/kW)	Energy Charge (Baht/kWh)	Service Charge (Baht/month)
3.1.1 69 kV and over	175.70	2.6506	312.24
3.1.2 12-24 kV	196.26	2.6880	312.24
3.1.3 Below 12 kV	221.50	2.7160	312.24

Billing Demand : A Billing demand is defined as the maximum 15-minute integrated demand over the monthly billing period measured to the nearest full kilowatt discarding the fraction of up to 0.5 kW and adjusting it to 1.0 kilowatt.

Minimum Charge : A minimum charge in any monthly billing period shall not be less than 70% of the maximum billing demand charge of the previous 12 months.

Power Factor Charge

For a customer with a lagging power factor, if in any monthly billing period during which the customer's maximum 15-minute reactive power demand (kilovar demand) exceeds 61.97% of his maximum 15-minute active power demand (kilowatt demand), a power factor charge of Baht 56.07 will be made on each kilovar in excess, determined to the nearest whole kilovar, discarding the fraction of 0.5 kilovar and adjusting it to 1 kilovar.

3.2 Time of Use Tariff (TOU Tariff)

MONTHLY TARIFF

Voltage Level	Demand Charge (Baht/kW)		Energy Charge (Baht/kWh)		Service Charge (Baht/month)
	On Peak	Off Peak	On Peak	Off Peak	
3.2.1 69 kV and over	74.14	0	3.5982	2.1572	312.24
3.2.2 12-24 kV	132.93	0	3.6796	2.1760	312.24
3.2.3 Below 12 kV	210.00	0	3.8254	2.2092	312.24

On Peak : Monday – Friday from 09.00 AM to 10.00 PM

Off Peak : Monday – Friday from 10.00 PM to 09.00 AM

: Saturday – Sunday, National Labor Day and normal public holiday

(excluding substitution holiday and Royal Ploughing Day) from 00.00 AM to 12.00 PM

Billing Demand : A Billing demand is defined as the maximum 15-minute integrated demand over the monthly billing period measured to the nearest full kilowatt discarding the fraction of up to 0.5 kW and adjusting it to 1.0 kilowatt.

Minimum Charge : A minimum charge in any monthly billing period shall not be less than 70% of the maximum billing demand charge of the previous 12 months.

Power Factor Charge

For a customer with a lagging power factor, if in any monthly billing period during which the customer's maximum 15-minute reactive power demand (kilovar demand) exceeds 61.97% of his maximum 15-minute active power demand (kilowatt demand), a power factor charge of Baht 56.07 will be made on each kilovar in excess, determined to the nearest whole kilovar, discarding the fraction of 0.5 kilovar and adjusting it to 1 kilovar.

Notes:

1. Customers classified under Schedule 3, before October 2000 shall be classified under tariff No. 3.1. For those who are defined to be under Schedule 3 from October 2000 onwards shall be classified under tariff No.3.2 in the following month after the installation of a TOU meter.
2. In any monthly billing period of the customers under Schedule 3, if the maximum 15-minute integrated demand exceeds 1,000 kW or the average energy consumption for the preceding 3 months exceeds 250,000 kWh per month, they will be classified under Schedule 4, sub-Schedule 4.2 in the following month after the installation of a TOU meter.
3. Customers under tariff No. 3.1 may choose to be under tariff No.3.2 by notifying MEA in advance and pay for installation of a TOU meter. However, once a decision is made, no alteration will be allowed.
4. Customers with a maximum 15-minute integrated demand less than 30 kW for 12 consecutive months shall be classified in the following month under Schedule 2, as the case may be. They shall be reclassified under tariff No. 3.2 when such rising demand ranged between 30 to 999 kW.
5. Customers classified under No. 3.2 shall be liable to a monthly service charge in addition to the minimum charge.

Schedule 4 : Large General Service

APPLICABILITY

This schedule of tariff is applicable to a business, industrial, government institutions, state enterprise, foreign entities and international organisations including its compound, with a maximum 15-minute integrated demand over 1,000 kilowatt, or the energy consumption for three (3) average consecutive months through a single Watt-hour meter exceeds 250,000 kWh per month.

4.1 Time of Day Tariff (TOD Tariff)

MONTHLY TARIFF

Voltage Level	Demand Charge [Baht/kW]			Energy Charge [Baht/kWh]	Service Charge [Baht/month]
	On Peak	Partial Peak	Off Peak	All Time	
4.1.1 69 kV and over	224.30	29.91	0	2.6506	312.24
4.1.2 12 - 24 kV	285.05	58.88	0	2.6880	312.24
4.1.3 Below 12 kV	332.71	68.22	0	2.7160	312.24

On Peak : Everyday from 06.30 PM to 09.30 PM

Partial Peak : Everyday from 08.00 AM to 06.30 PM (only the amount of demand that is in excess of the On-Peak maximum demand will be applicable.)

Off Peak : Everyday from 09.30 PM to 08.00 AM (No demand charge)

Billing Demand : A billing demand is defined as the maximum 15-minute integrated demand during an On-Peak and Partial-Peak period over the monthly billing period that is measured to the nearest full kilowatt discarding the fraction of 0.5 kW and adjusting it to 1.0 kilowatt.

Minimum Charge : A monthly minimum charge of any billing period shall not be less than 70% of the maximum billing demand charge for the preceding 12 months.

Power Factor Charge

For a customer with a lagging power factor, if in any monthly billing period during which the customer's maximum 15-minute reactive power demand (kilovar demand) exceeds 61.97% of his maximum 15-minute active power demand (kilowatt demand), a power factor charge of Baht 56.07 will be made on each kilovar in excess, determined to the nearest whole kilovar, discarding the fraction of 0.5 kilovar and adjusting it to 1 kilovar.

4.2 Time of Use Tariff (TOU Tariff)

MONTHLY TARIFF

Voltage Level	Demand Charge (Baht/kW)		Energy Charge (Baht/kWh)		Service Charge (Baht/month)
	On Peak	Off Peak	On Peak	Off Peak	
4.2.1 69 kV and over	74.14	0	3.5982	2.1572	312.24
4.2.2 12-24 kV	132.93	0	3.6796	2.1760	312.24
4.2.3 Below 12 kV	210.00	0	3.8254	2.2092	312.24

On Peak : Monday – Friday from 09.00 AM to 10.00 PM

Off Peak : Monday – Friday from 10.00 PM to 09.00 AM

: Saturday – Sunday, National Labor Day and normal public holiday

(excluding substitution holiday and Royal Ploughing Day) from 00.00 AM to 12.00 PM

Billing Demand : A billing demand is defined as the maximum 15-minute integrated demand during On Peak period over the monthly billing period that is measured to the nearest full kilowatt discarding the fraction of 0.5 kW and adjusting it to 1.0 kilowatt.

Minimum Charge : The monthly minimum charge in any billing period shall not be less than 70% of the maximum billing demand charge of the preceding 12 months.

Power Factor Charge

For a customer with a lagging power factor, if in any monthly billing period during which the customer's maximum 15-minute reactive power demand (kilovar demand) exceeds 61.97% of his maximum 15-minute active power demand (kilowatt demand), a power factor charge of Baht 56.07 will be made on each kilovar in excess, determined to the nearest whole kilovar, discarding the fraction of 0.5 kilovar and adjusting it to 1 kilovar.

Notes:

1. The customers, who before October 2000, are classified under tariff No. 4.1 (as per the former TOD rate), shall be classified under tariff No. 4.1 (as per the newly introduced TOD tariff).
The customers, who before October 2000, are classified under tariff No. 4.2 (as per the former TOU rate), shall be classified under No. 4.2 (as per the newly introduced TOU tariff) in the following month after the installation of a TOU meter.
2. Customers under tariff No. 4.2 may choose to be under tariff No. 4.2 by notifying MEA in advance and shall pay for a TOU meter. However, once a decision is made, no alteration will be allowed.
3. Customers with a maximum 15-minute integrated demand less than 30 kW for 12 consecutive months shall be classified in the following month under Schedule 2.
4. Customers shall be liable to a monthly service charge in addition to the minimum charge.

Schedule 5 : Specific Business Service

APPLICABILITY

This schedule of tariff is applicable to any hotel and other businesses providing lodging accommodation to their customers including its compound with a maximum 15-minute integrated demand of 30 kilowatt and over, through a single Watt-hour demand meter.

5.1 Normal Tariff

MONTHLY TARIFF

Voltage Level	Demand Charge (Baht/kW)	Energy Charge (Baht/kWh)	Service Charge (Baht/month)
5.1.1 69 kV and over	220.56	2.6506	312.24
5.1.2 12 – 24 kV	256.07	2.6880	312.24
5.1.3 Below 12 kV	276.64	2.7160	312.24

Billing Demand : A billing demand is defined as the maximum 15-minute integrated demand over the monthly billing period measured to the nearest full kilowatt discarding the fraction of 0.5 kW and adjusting it to 1.0 kilowatt.

Minimum Charge : The minimum charge in any monthly billing period shall not be lower than 70% of the maximum billing demand charge of the preceding 12 months.

Power Factor Charge

For a customer with a lagging power factor, if in any monthly billing period during which the customer's maximum 15-minute reactive power demand (kilovar demand) exceeds 61.97% of his maximum 15-minute active power demand (kilowatt demand), a power factor charge of Baht 56.07 will be made on each kilovar in excess, determined to the nearest whole kilovar, discarding the fraction of 0.5 kilovar and adjusting it to 1 kilovar.

5.2 Time of Use Tariff (TOU Tariff)

MONTHLY TARIFF

Voltage Level	Demand Charge (Baht/kW)		Energy Charge (Baht/kWh)		Service Charge (Baht/month)
	On Peak	Off Peak	On Peak	Off Peak	
5.2.1 69 kV and over	74.14	0	3.5982	2.1572	312.24
5.2.2 12-24 kV	132.93	0	3.6796	2.1760	312.24
5.2.3 Below 12 kV	210.00	0	3.8254	2.2092	312.24

On Peak : Monday – Friday from 09.00 AM to 10.00 PM

Off Peak : Monday – Friday from 10.00 PM to 09.00 AM

: Saturday – Sunday, National Labor Day and normal public holiday

(excluding substitution holiday and Royal Ploughing Day) from 00.00 AM to 12.00 PM

Billing Demand : A billing demand is defined as the maximum 15-minute integrated demand over the monthly billing period measured to the nearest full kilowatt discarding the fraction of 0.5 kW and adjusting it to 1.0 kilowatt.

Minimum Charge : The minimum charge in any monthly billing period shall not be lower than 70% of the maximum billing demand charge of the preceding 12 months.

Power Factor Charge

For a customer with a lagging power factor, if in any monthly billing period during which the customer's maximum 15-minute reactive power demand (kilovar demand) exceeds 61.97% of his maximum 15-minute active power demand (kilowatt demand), a power factor charge of Baht 56.07 will be made on each kilovar in excess, determined to the nearest whole kilovar, discarding the fraction of 0.5 kilovar and adjusting it to 1 kilovar.

Notes:

1. The customer defined to be under Schedule 5 shall be classified under tariff No. 5.2 only. However, while a TOU meter has not been installed, the tariff No. 5.1 shall be temporarily applied.
2. A customer with a maximum 15-minute integrated demand of less than 30 kW for 12 consecutive months, will be classified under Schedule 2 in the following month, and will be reclassified under the tariff No. 5.2 when such demand rises to 30 kW and over.
3. Customers shall be liable to a monthly service charge in addition to the minimum charge.

Schedule 6 : Non-Profit Organizations

APPLICABILITY

This schedule of tariff is applicable to non-governmental organisations that provide non-charge services including places conducting religious rites and their compounds through a single Watt-hour meter, not applicable to the state enterprises, embassies, foreign entities and office buildings of international organizations.

6.1 Normal Tariff

MONTHLY TARIFF

Voltage Level	Energy Charge (Baht/kWh)	Service Charge (Baht/Month)
6.1.1 69 kV and over	2.9558	312.24
6.1.2 12 – 24 kV	3.1258	312.24
6.1.3 Below 12 kV		20.00
First 10 kWh (1 st -10 th)	2.3422	
Over 10 kWh (up from 11 th)	3.4328	

6.2 Time of Use Tariff (TOU Tariff)

MONTHLY TARIFF

Voltage Level	Demand Charge (Baht/kW)		Energy Charge (Baht/kWh)		Service Charge (Baht/month)
	On Peak	Off Peak	On Peak	Off Peak	
6.2.1 69 kV and over	74.14	0	3.5982	2.1572	312.24
6.2.2 12-24 kV	132.93	0	3.6796	2.1760	312.24
6.2.3 Below 12 kV	210.00	0	3.8254	2.2092	312.24

On Peak : Monday – Friday from 09.00 AM to 10.00 PM

Off Peak : Monday – Friday from 10.00 PM to 09.00 AM

: Saturday – Sunday, National Labor Day and normal public holiday

(excluding substitution holiday and Royal Ploughing Day) from 00.00 AM to 12.00 PM

Billing Demand : A billing demand is defined as the maximum 15-minute integrated demand over the monthly billing period measured to the nearest full kilowatt discarding the fraction of 0.5 Kw and adjusting it to 1.0 kilowatt.

Minimum Charge : The minimum charge in any monthly billing period shall not be lower than 70% of the maximum billing demand charge of the preceding 12 months.

Power Factor Charge

For a customer with a lagging power factor, if in any monthly billing period during which the customer's maximum 15-minute reactive power demand (kilovar demand) exceeds 61.97% of his maximum 15-minute active power demand (kilowatt demand), a power factor charge of Baht 56.07 will be made on each kilovar in excess, determined to the nearest whole kilovar, discarding the fraction of 0.5 kilovar and adjusting it to 1 kilovar.

Notes:

1. Customers under tariff No. 6.1 may choose to be under tariff No. 6.2 by notifying MEA in advance and shall pay for a TOU meter. They can be reclassified under tariff No. 6.1 if they use electricity not less than 12 months.
2. Customers classified under tariff No. 6.1 shall be liable to a monthly service charge although there is no consumption in that month, while the customers under tariff No. 6.2 shall be liable to a monthly service charge in addition to the minimum charge.
3. In any monthly billing period the customers, who are government institutions, and agencies with the maximum 15-minute integrated demand over 1,000 kW, or with average energy consumption for 3 consecutive months exceeding 250,000 kWh per month, shall be switched to tariff No. 4.2 of Schedule 4 as from the month following installation a TOU meter. Customers will be classified in the Schedule 2 or 3 or in the tariff No. 3.2 or in the schedule 4 in the tariff No. 4.2 depending on the case based on the characteristics of electricity usage.

Schedule 7 : Water Pumping for Agricultural Purposes

APPLICABILITY

This schedule of tariff is applicable to electricity consumption for the use of water pumps for agricultural purposes of a government agricultural agency, officially-recognized farmer groups, agricultural co-operatives through a single Watt-hour meter.

7.1 Normal Tariff

MONTHLY TARIFF

Energy Charge

First 100 kWh (1 st – 100 th)	1.6033	Baht/kWh
Over 100 kWh (up from 101 st)	2.7549	Baht/kWh

Service Charge (Baht/month) : 115.16

7.2 Time of Use Tariff (TOU Tariff)

MONTHLY TARIFF

Voltage Level	Demand Charge (Baht/kW)		Energy Charge (Baht/kWh)		Service Charge (Baht/month)
	On Peak	Off Peak	On Peak	Off Peak	
7.2.1 12-24 kV	132.93	0	3.6531	2.1495	228.17
7.2.2 Below 12 kV	210.00	0	3.7989	2.1827	228.17

On Peak : Friday from 09.00 AM to 10.00 PM

Off Peak : Monday – Friday from 10.00 PM to 09.00 AM

: Saturday – Sunday, National Labor Day and normal public holiday

(excluding substitution holiday and Royal Ploughing Day) from 00.00 AM to 12.00 PM

Billing Demand : A billing demand is defined as the maximum 15-minute integrated demand over the monthly billing period measured to the nearest full kilowatt discarding the fraction of 0.5 kW and adjusting it to 1.0 kilowatt.

Minimum Charge : The minimum charge in any monthly billing period shall not be lower than 70% of the maximum billing demand charge of the preceding 12 months.

Notes:

1. For customer who applied for Schedule 7, a contract will be needed to sign with the Metropolitan Electricity Authority while customers also need to have a water pump with a total horse speed of 25 horse speed.
2. The customer under tariff No. 7.1 may choose to be under tariff No. 7.2 by notifying MEA in advance and shall pay for a TOU meter and may switch to the tariff No 7.1 following a minimum use of twelve (12) months.
3. The customer whose a monthly bill is subject to collect a minimum charge at 70% of the maximum demand charge for the past twelve (12) months, shall be temporarily exempt from the minimum charge up to September 2002.
4. Customers under tariff No. 7.1 shall be liable to a monthly service charge although there is no electricity consumption in that month, while the customers under tariff No. 7.2 shall be liable to a monthly service charge in addition to the minimum charge.

Schedule 8 : Temporary Tariff

APPLICABILITY

This schedule of tariff is applicable to temporary electricity consumption for the use of the construction of buildings or structures, the special time event or the temporary work, through a single Watt-hour meter.

8.1 Monthly Tariff

Energy charge (All voltage level) Baht 6.3434 per kWh

Remarks

Electrical users in this type of electricity tariff, if they want to change the characteristics of electricity usage permanently or the MEA found that their characteristics of electricity usage in business activities, industry or household have already been changed permanently, they can lodge request for permanent use of electricity to MEA District branch. Users also have to install electrical lines and internal equipments as required by MEA's standards. Users also have to pay for all electricity fees as defined by MEA. The type of electricity tariff they will be included in the type of 1-7 will depend on their characteristics of electricity usage.

Stand – By Tariff

1. APPLICABILITY

This category comprises 2 cases:

CASE 1 : This schedule of tariff is applicable to customers who own an electricity generator and mainly use electricity from their own generators, but also require electricity from the Metropolitan Electricity Authority as reserve in the event of a breakdown of such generator. Or in accordance with maintenance programme that the Metropolitan Electricity Authority has been informed through a single Watt-hour meter.

CASE 2 : This schedule of tariff is applicable to customers who own an electricity generator for co-generation and mainly use electricity from their own co-generations plant but also require electricity from the Metropolitan Electricity Authority as reserve in the event of a breakdown of such generator. Or in accordance with maintenance programme that the Metropolitan Electricity Authority has been informed through a single Watt-hour meter.

2. ELECTRICITY TARIFF

MONTHLY TARIFF CASE 1 :

Voltage Level	Demand Charge (Baht/kW)		Energy Charge (Baht/kWh)		Service Charge (Baht/month)
	On Peak	Off Peak	On Peak	Off Peak	
69 kV and over	52.71	0	3.6917	2.2507	312.24
12 - 24 kV.	58.88	0	3.7731	2.2695	312.24
Below 12 kV.	66.45	0	3.9189	2.3027	312.24

MONTHLY TARIFF CASE 2 :

Voltage Level	Demand Charge (Baht/kW)		Energy Charge (Baht/kWh)		Service Charge (Baht/month)
	On Peak	Off Peak	On Peak	Off Peak	
69 kV and over	26.36	0	3.6917	2.2507	312.24
12 - 24 kV.	29.44	0	3.7731	2.2695	312.24
Below 12 kV.	33.22	0	3.9189	2.3027	312.24

On Peak : Monday – Friday from 09.00 AM to 10.00 PM

Off Peak : Monday – Friday from 10.00 PM to 09.00 AM

: Saturday – Sunday and normal public holiday (excluding substitution holiday) from 00.00 AM to 12.00 PM

3. CALCULATION OF THE CHARGES

3.1 Months Where Stand-By Power Has Not Been Used

The electricity charges will be calculated on the contracted stand-by demand, as stipulated in the stand-by power purchase agreement between MEA and the stand-by tariff customer, at the stand-by tariff case 1 or case 2, as the case may be, excluding energy charge.

3.2 Months Where Stand-By Power Has Been Used

Electricity charges will be calculated on both the demand charge and energy charge;

An energy charge is based on the actual consumption

A demand charge is based on the actual demand as below:

3.2.1 In case the actual demand does not exceed the contracted stand-by demand

Demand charge will be calculated on the actual demand at normal tariff and on the portion of actual demand that lower than the contracted stand-by demand calculated at the stand-by tariff case 1 or case 2, as the case may be.

3.2.2 In case the actual demand exceed the contracted stand-by demand

The demand charge will be calculated on the portion of actual demand which equal to the contracted stand-by demand at the normal tariff, and on the portion of actual demand which higher than the contracted stand-by demand at the double of normal tariff.

3.3 Minimum Charge

No less than the demand charge calculated from the contracted stand-by demand as stipulated in the stand-by power purchase agreement at stand-by tariff case 1 or case 2, as the case may be.

3.4 Billing Demand

The billing demand is defined as the maximum 15-minute integrated demand during On Peak period over the monthly billing period measured to the nearest whole kilowatt discarding the fraction of 0.5 kW.

3.5 Power Factor Charge:

For a customer with a lagging power factor, if in any monthly billing period during which the customer's maximum 15-minute reactive power demand (kilovar demand) exceeds 61.97% of his maximum 15-minute active power demand (kilowatt demand), a power factor charge of Baht 56.07 will be made on each kilovar in excess, determined to the nearest whole kilovar, discarding the fraction of 0.5 kilovar.

Notes:

1. A customer must have an Annual Load Factor of not exceeding 15%. In case the Annual Load Factor exceeds 15%, the Metropolitan Electricity Authority will terminate the stand-by power purchase agreement and the normal tariff will be changed in the following month.
2. The Annual Load Factor is calculated for the yearly period of the stand-by electricity consumption as initiated in the agreement once a year as follows:

$$\text{Annual Load Factor (\%)} = \frac{\text{Total energy consumption in the year} \times 100}{\text{Annual maximum demand} \times \text{hours in the year}}$$

3. Whenever the total number of events that the monthly actual power demand during the On Peak period exceeds the contracted stand-by demand is 6 (six), then the Metropolitan Electricity Authority shall replace the contracted stand-by demand in the stand-by power purchase agreement by the actual maximum power demand in the following month.
4. A customer wishing to use the stand-by tariff shall notify the Metropolitan Electricity Authority of their intent to sign a stand-by power purchase agreement and must notify the amount of stand-by power requested with the Metropolitan Electricity Authority. The Metropolitan Electricity Authority will consider the amount of stand-by power to be provided.
5. The stand-by tariff customer shall be liable to a monthly service charge in addition to the minimum charge.

Interruptible Tariff

Large general services may decide to use electricity charges under the schedule of an interruptible tariff in conjunction with the normal tariff.

Details and conditions are as follows:

1. Customer Qualifications

Large general services with demand of 5,000 kW and over and with an interruptible demand, at the request of the Metropolitan Electricity Authority, of at least 1,000 kW.

2. Definitions of Terms

2.1 Interruptible Demand is defined as the volume of demand which the customer is willing to interrupt at the request of the Metropolitan Electricity Authority.

2.2 Firm Demand is defined as the difference between the Maximum Demand and the Interruptible Demand.

2.3 Maximum Take is defined as the maximum demand during On peak for which the customer has entered into an interruptible tariff power purchase agreement with the Metropolitan Electricity Authority and of which the customer cannot reduce demand.

3. Conditions in the Power Purchase

3.1 Demand under Contract

Customer wishing to use under the interruptible tariff must enter into an interruptible tariff power purchase agreement, with the Metropolitan Electricity Authority, specifying the Interruptible Demand and the Maximum Take. The Metropolitan Electricity Authority will examine the feasibility of such Interruptible Demand and Maximum Take before entering into such an agreement.

3.2 Notification of Power Interruption

The Metropolitan Electricity Authority will notify the customer of the time and duration of an interruption of power usage at least one hour in advance of such interruption: by telephone, facsimile, pager or Internet.

3.3 Interruption of Power Usage

3.3.1 On receipt of the notification of an interruption of power usage, the customer must proceed to stop or reduce the use of electricity to within the Interruptible Demand at the time and for the duration of time requested by the Metropolitan Electricity Authority under 3.2. Readings shall be taken from the Interruptible Meter and compared before and after Interruption of power usage.

3.3.2 Customers who reduce their electricity consumption to his Maximum Take but whose actual Interruptible Demand is less than that stipulated in the interruptible demand power purchase agreement will not be deemed to be in breach of contract. In the event that this case occurs twice, the Metropolitan Electricity Authority may adjust the Interruptible Demand to a new level.

4. Amendments to the Demand as stipulated in the Power Purchase Agreement

4.1 Customers may request amendments to the Interruptible Demand and/or the Maximum Take as stipulated in the power purchase agreement by notifying such request in writing to the Metropolitan Electricity

Authority at least 30 days in advance. An interim period of time between consecutive requests shall not be less than 12 months.

4.2 The Metropolitan Electricity Authority may ask for amendments to the Interruptible Demand and/or the Maximum Take if the customer is unable to reduce power usage two times under 3.3.2 for which the characteristics of electricity consumption after the fact will be considered.

4.3 The Metropolitan Electricity Authority may ask for amendments to the Interruptible Demand and/or the Maximum Take when the Firm Demand is less than the Maximum Take for two (2) consecutive months or for three months in one contract year for which the characteristics of electricity consumption. After MEA takes the said fact into consideration.

5. Day-Time of Power Use Interruption

The Metropolitan Electricity Authority will request an interruption in electricity between 09.00 AM – 10.00 PM (except for Saturday, Sunday and normal public holiday) and the number and duration of such interruptions shall be as under 6.

6. Number and Duration of Interruptions

There are 3 Options with electricity tariffs as given under 14, as follows:

Option 1 : Interruptions do not exceed 3 hours per time, twice daily, 10 times monthly, 40 times yearly.

Option 2 : Interruptions do not exceed 3 hours per time, once daily, 10 times monthly, 20 times yearly.

Option 3 : Interruptions do not exceed 6 hours per time, once daily, 10 times monthly, 20 times yearly.

7. Breaches of Contract

In the event the Metropolitan Electricity Authority notifies the customer of an interruption under 3.2 and the customer is unable to act in accordance with 3.3 the customer shall be deemed to be in breach of contract and shall be subject to penalties under No. 8.

8. Penalties in the Event of a Breach of Contract

In the event the customer is unable to reduce power usage in accordance with the interruptible demand power purchase agreement (in the year commencing from the date of effect of the contract) the following penalties shall apply:

First Time : The Metropolitan Electricity Authority shall calculate the demand charge for Interruptible Demand at 1.5 times the demand charge for large general services;

Second Time : The Metropolitan Electricity Authority shall calculate the demand charge for Interruptible Demand at 2 times the demand charge for large general services;

Third Time : The Metropolitan Electricity Authority shall calculate the demand charge for Interruptible Demand at 3 times the demand charge for large general services;

Fourth Time : The Metropolitan Electricity Authority shall calculate the demand charge for Interruptible Demand at 3 times the demand charge for large general services, and the Metropolitan Electricity Authority can terminate the power purchase agreement at the Interruptible Tariff such that the customer shall return to purchase Power at the normal tariff.

Regarding the first request to reduce power consumption, as effective from the first day of the contract, if the customer is unable to reduce power consumption in accordance with the first request under the contract, the MEA shall calculate an Interruptible Demand as a normal tariff, and shall not consider this instance as a breach of the contract. However, in the event the customer is unable to act in accordance with the contract

for a second time, or is unable to act in accordance with the contract for the first time but not the second time, the customer shall be deemed to be in breach of contract for the first time.

9. Metering of Electricity

For interruptible tariff power purchase agreements, meters shall be used which display both energy consumption, and 15-minute integrated demand, and which can be back-read no less than 31 days, and shall be of a standard used by the Metropolitan Electricity Authority.

10. Terms of the Power Purchase Agreement

The interruptible tariff power purchase agreements shall be valid for five (5) years. Upon maturation of the agreement, both parties to the contract may consider renewal of the said agreement.

11. Termination of the Power Purchase Agreement

During the term of the agreement, the parties to the contract may terminate the contract under the following circumstances.

11.1 The customer requests termination of the agreement having acted in accordance with the contract for no less than one year from the start of the agreement.

11.2 The customer is unable to act in accordance with the contract four times in one year.

11.3 The Metropolitan Electricity Authority may terminate the contract when the customer has interruptible demand of less than 1,000 kW.

12. Exceptions

The following are exceptions to the notification of an interruption in power under the conditions of the interruptible tariff type of power purchase:

12.1 Cases where power supply is interrupted through a fault in the power supply system or notification of interruption of the power supply for maintenance of or improvements to the power supply system.

12.2 Cases where the customer is in a state of Shut Down Load from receiving power from the Metropolitan Electricity Authority and such Shut Down is part of an annual maintenance plan or is an emergency Shut Down, and the customer has immediately informed the Metropolitan Electricity Authority of such incident.

13. Calculation of Demand Charges

The amount of electricity stipulated as the Interruptible Demand in the power purchase agreement will be charged at the interruptible tariff.

The amount of electricity stipulated as the Firm Demand in the power purchase agreement will be charged at the normal tariff.

14. Interruptible Tariff

Monthly Tariff : Calculation based on the Time of Use Tariff (TOU Tariff).

Option 1 and 3

Electrical Pressure	Demand Charge (Baht/kW)		Energy Charge (Baht/kWh)		Service Charge (Baht/month)
	On Peak	Off Peak	On Peak	Off Peak	
14.1 69 kV and over	14.83	0	3.5982	2.1572	312.24
14.2 12 - 24 kV	26.59	0	3.6796	2.1760	312.24

Option 2

Electrical Pressure	Demand Charge (Baht/kW)		Energy Charge (Baht/kWh)		Service Charge (Baht/month)
	On Peak	Off Peak	On Peak	Off Peak	
14.3 69 kV and over	44.48	0	3.5982	2.1572	312.24
14.4 12 - 24 kV.	79.76	0	3.6796	2.1760	312.24

On Peak : Monday – Friday from 09.00 AM to 10.00 PM

Off Peak : Monday – Friday from 10.00 PM to 09.00 AM

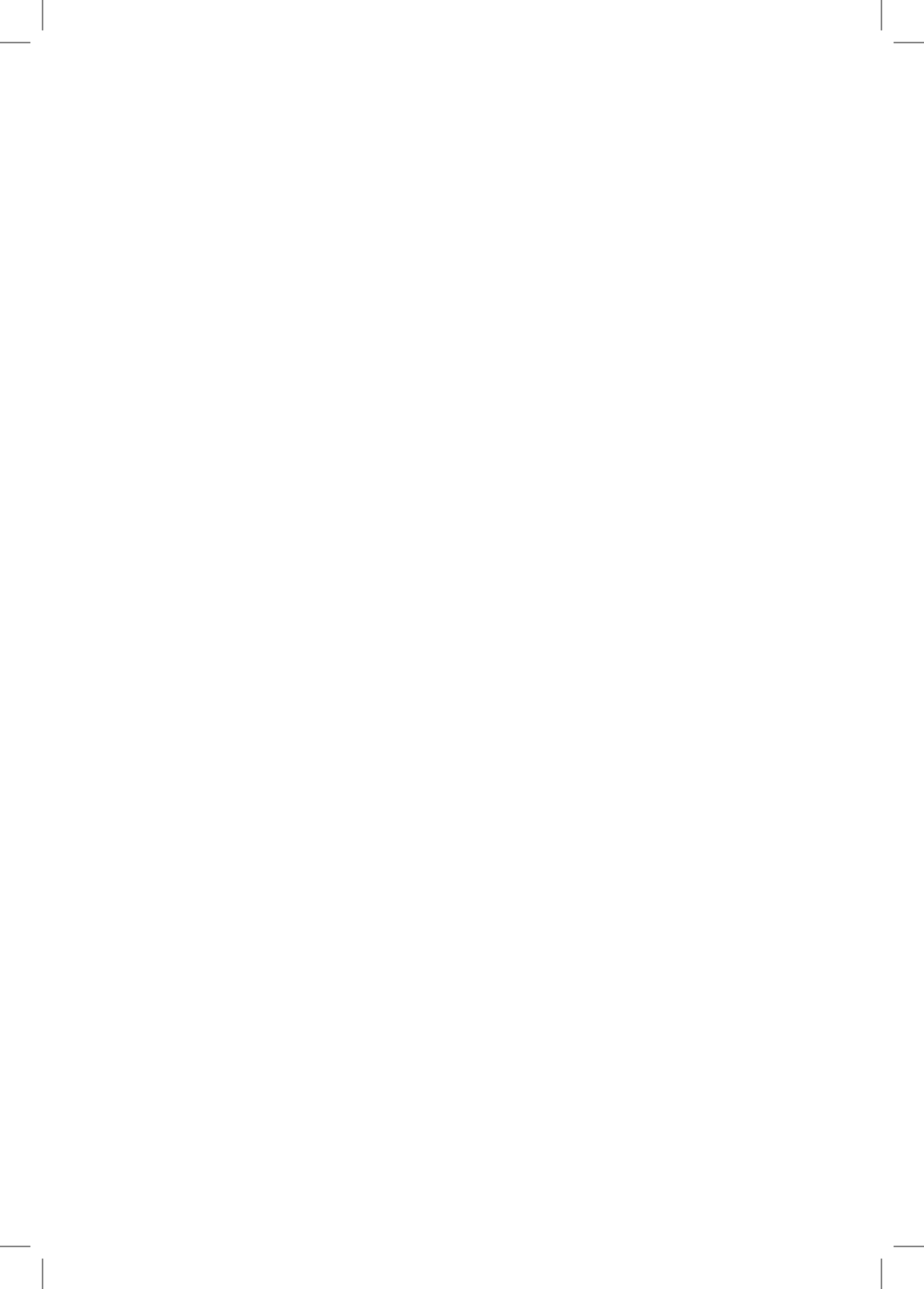
: Saturday – Sunday and normal public holiday (excluding substitution holiday) from 00.00 AM to 12.00 PM

Billing Demand : A billing demand is defined during On Peak period.

Conditions Relating to Electricity Tariffs

1. The electricity tariffs herein do not include Value Added Tax (VAT).
2. Electricity charges billed for each month comprising the electricity base charge according to the tariffs herein; and an energy adjustment charge (F_1), which is the uncontrollable cost of the Power Sector. Such as the cost of fuels used in electricity generation that differ from the planned value, impact from rate of exchange and inflation rate. The energy adjustment charge will also be shown in the electricity bill.

The above tariffs are effective as from the billing month of June 2012



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