



UNDERSTANDING YOUR PECO BILL

- Bill Overview- Components of your bill
- Factors that may impact your bill
- Power Factor
- PLC
- Questions

Components of Bill:

Customer Charge- Monthly charges to cover cost of billing, meter reading, equip and svc line maintenance. This will also include any Service Rider costs.

Demand (kW) Distribution Charges - This charge is \$3.57 per kW and covers the cost for delivering electricity to your business

Consumption (kWh) -This is how much energy you have consumed in a billing period and costs \$0.0017 per kWh

Peak Load Contribution (PLC)- A customer's individual load contribution at the time of PECO's five system high peak hours of load from the previous summer as identified by PJM Interconnection. This value is an additional cost to the Supplier if they serve you.

Energy Efficiency Charge –Charges to reimburse utilities for the costs associated with energy efficiency and conservation programs as required by PA Act 129 (PECO Smart Idea's). It is calculated by multiplying \$0.91 per kW of the PLC . Ex., if PLC is 418kW x \$0.91 =\$380.38

High voltage Discount- \$0.14 per kW discount for customers supplied at 33,000 volts.

State Tax Adjustment (STA)- reflects changes either credit or debit in State Taxes

Meter Information

Read Date	Meter Number	Load Type	Reading Type	Meter Reading		Difference	Multiplier X	Usage
				Previous	Present			
03/27	413067001	General Service	Onpk PFactor	0.000 Actual	0.000 Actual	0.926	1	0.926
03/27	413067001	General Service	GS Off Pk kW	0.00 Actual	0.00 Actual	391.00	1.296	506.74
03/27	413067001	General Service	On Pk Kw	0.00 Actual	0.00 Actual	393.00	1.296	509.33
03/27	413067001	General Service	Pk kW	0.00 Actual	0.00 Actual	393.00	1.296	509.33
03/27	413067001	General Service	Tot kWh	0 Actual	0 Actual	234734	1.296	304215

Total kWh Used 304,215 Distribution kW - Measured 509.0

Electric High Tension Service >500kW - Current Period Detail

Service 02/27/2012 to 03/27/2012 - 29 days

Customer Charge								\$308.83
Distribution Charges			509 kW	X	\$3.57000			1,817.13
Distribution Charges			304,215 kWh	X	0.00170			517.17
Energy Efficiency Charge			416 kW	X	0.91000			378.56
High Voltage Discount			509 kW	X	-0.14000			-71.26
State Tax Adjustment								-1.48
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Elec Energy 304,215KWH@0.04973								15,128.61
RTO 304,215KWH@0.01272								3,869.61
Line Loss 5,749.66KWH@0.04973								285.93
Gross Receipts Tax								1,209.10

Total Current Charges

\$23,442.20

13-Month Usage (Total kWh)



Your Usage Profile

Period	Usage	Avg Daily Usage	Days	Avg Daily Temp
Current Month	304,215	10,490.1	29	61
Last Month	343,540	11,081.9	31	41
Last Year	371,974	11,999.1	31	45

Avg kWh per Month	313,666
Total Annual kWh Usage	3,763,995

There are other factors that could impact your bill amount:

- **Power Factor Adjustments-** If a customer falls below their minimal power factor requirement they are subjected to a penalty. This penalty is an adjustment to your kW which will impact your billed amount
- **Contract Limits-** The minimal and maximum capacity of use contracted with the customer and PECO. If customer uses less than the minimal requirements they will be charged the minimal. If a customer uses more than the maximum they will be charged for the kW used.

Note : if a customer consistently uses over the contract maximum a new contract is required.

- **Riders-** customers pay for the use of the rider if they use it or not

How P.F. affects the bill

Meter Information								
Read Date	Meter Number	Load Type	Reading Type	Meter Reading		Difference	Multiplier X	Usage
				Previous	Present			
05/31	777997983	KQ Mtr	Power Factor	0.000 Actual	0.000 Actual	0.771	1	0.771
05/31	777999266	General Service	Power Factor	0.000 Actual	0.000 Actual	0.771	1	0.771
05/31	777999266	General Service	Pk kW	0.00 Actual	0.00 Actual	1164.00	0.8	931.20
05/31	777999266	General Service	Tot kWh	0 Actual	0 Actual	353253	0.8	282602
05/31	777999266	General Service	GS Off Pk kW	0.00 Actual	0.00 Actual	1137.00	0.8	909.60
05/31	777999266	General Service	On Pk Kw	0.00 Actual	0.00 Actual	1164.00	0.8	931.20

Total kWh Used 282,602 Distribution kW - Power Factor **1087.0**

Electric High Tension Service >500kW - Current Period Detail Service 04/29/2011 to 05/31/2011 - 32 days

Customer Charge				\$296.08
Distribution Charges	1,087 kW	X	\$3.59000	3,902.33
Distribution Charges	282,602 kWh	X	0.00190	536.94
Energy Efficiency Charge	859 kW	X	0.91000	781.69
State Tax Adjustment				-3.31
Sales tax				49.62

Total Current Charges **\$5,563.35**

Calculate Distribution kW : $(.90 / .771) 931.2 = 1,087.0$

Calculate Additional PF Cost : $(1,087.0 - 931.2) \$3.59 \text{ Tariff Rate} = \underline{\underline{\$559.32}}$



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How P.F. affects the bill

Formula for calculating adjusted billing demand....

(Required PF / Actual PF) Registered Demand = Adjusted kW Demand

What is the additional cost for low PF on a bill?

(Adjusted kW Demand – Registered kW Demand) Tariff Rate = Additional Cost

How P.F. affects the bill

- *0 kW – 185 kW – PECO requires minimum 80% Power Factor*
- *186 kW – 2,500 kW – PECO requires minimum 90% Power Factor*
- *Over 2,500 kW – PECO requires minimum 95% Power Factor*

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How to Correct Power Factor?

- ✓ Installing Capacitors (biggest investment)
- ✓ Minimizing operation of idling or lightly loaded motors.
- ✓ Avoid operation of equipment above rated voltage.
- ✓ Replace standard motors with efficient motors as the old ones burn out.

- ✓ PLC = Peak Load Contribution; Customer's allocation of PECO's share of PJM's **weather-normalized** peak from previous June -Sept
 - Relates to capacity and demand response in wholesale market
 - PECO assigns by premise (physical location of service)

- ✓ PECO billing impacts (new as of 2010)
 - Billing determinant for EEPC ("Energy Efficiency Program Charge") for all HT, PD and EP accounts
 - Component of Generation Supply Cost for customers in Procurement Class 4 (only if taking default service)

QUESTIONS???

<https://www.peco.com/Pages/Home.aspx>