

Energy Utilization Management Bureau Quality Management System

UNBUNDLING STRUCTURE (ANNEX A)

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- A.1. The unbundling of charging fees shall have the following structure but not limited to:
 - a. **Electricity Consumption used for Charging/Swapping Cost.** For the estimation of electricity consumption per charging to EV battery shown in the unbundled charging fee, the calculation is as follows:

*Sample for Charging

ECC = EP x Duration of use (hour/s) x EVR

Where:

EP = Electricity price (PHP per kWh)

 $EVR = EVCS \ rating \ (kW)$

ECC = Electricity Consumption Cost (PHP)

*Sample for Swapping

ECC = EP x BC x BCE

Where:

EP = Electricity price (PHP per kWh)

BC = Battery Capacity in Ah BCE = Battery Charging Efficiency

ECC = Electricity Consumption Cost (PHP)

*Swap Fee

SF = Ah per swap service x price per Ah

Where:

SF = Swap Fee

BC = Battery Capacity in Ah
BCE = Battery Charging Efficiency

ECC = Electricity Consumption Cost (PHP)

- b. **Other Charges.** EVCS Providers shall enumerate the breakdown of charges as may be identified. This may include the following additional fees that may be imposed:
 - 1. Service fee:
 - 2. Maintenance:
 - 3. Utilization;
 - 4. Administrative; and/or
 - 5. Parking fee.
- c. **Total Amount Due.** This shall refer to the total amount of charging fee imposed and/or collected to EV users in exchange for the use of facilities of EVCS to charge EVs.