

## Battery safety philippines bin

To monitor e-waste movement, generators, transporters, and treatment, storage, and disposal (TSD) facilities of hazardous waste must be registered with EMB, to be able to get a permit to transport (PTT), and manifest chain-of-custody document, as stated under DENR Administrative Order 2013-22.

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The Department of Environment and Natural Resources-Environmental Management Bureau (DENR-EMB) continues to ramp-up efforts for the safe and responsible disposal of electronic waste and to raise awareness on its health and environmental impacts.

Electronic waste -- or e-waste -- like gadgets and even just batteries contain heavy metals that can be hazardous to the environment. In a report made by the UN Environment Program (UNEP) and Global E-waste Monitor, an estimated 53.6 million metric tons of electronic waste (e-waste) was recorded in 2020. The report also revealed that Asia ...

The e-waste boxes made with 8,400 pieces of used beverage cartons are located in SM Cyberzones and in strategic areas of all existing and even upcoming SM Malls in the Philippines. Some items anyone can donate are old and broken mobile phones, laptops, tablets, routers, chargers, cords, cables, and more, among others.

Being an emerging new technology in the transport sector, battery production and use for electric vehicles (EVs) is drawing much scrutiny among environment and sustainability pundits, especially with increasing prospects of the world abandoning internal combustion engines (ICEs) powered by polluting fossil fuels.

Among the major concerns include the world availability of metals used in battery production, the clean recycling of the batteries, especially as more EVs come into the market, and safety in light of reports of burning and reigniting batteries.

Before we delve into a discussion of the above issues, the following indicators are proof of the growing acceptance of EVs for personal mobility.

Today, all major car manufacturers have at least one EV model in their product catalogs. Several have announced a total shift to EVs: General Motors will go all-electric by 2035, while Ford will only sell EVs in Europe by 2030.

More countries have announced the plan to ban sales of gasoline- and diesel-powered vehicles by 2040 or sooner. The race to build more charging stations is on, the latest being US President Joe Biden's



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announcement of plans to put in place 500,000 additional plugs this decade.

EVs being at its infancy stage, private vehicle owners continue to show reluctance in surrendering their fossil fuel-powered cars for EVs. But the epic rise in EV sales last year, especially in China where state support is high, exhibits immense potential of real mass-market breakthroughs.

Lastly, environmental politics is decidedly behind EVs. A new study by the European Federation for Transport and Environment (T& E) showed that EVs are far better for the climate, requiring 58 percent less energy than a petroleum-fueled car over their lifetime.

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