**Corrigendum: Electricity Grids and Secure Energy Transitions**

**Issued:** 9 November 2023

**Link to report:** <https://www.iea.org/reports/electricity-grids-and-secure-energy-transitions>

* On **page 2**, add text the name in red was added:

Other contributions from across the agency were from: Heymi Bahar (connection queues and curtailment), Daniel Crow, Minna Genser (cyber security), Julia Guyon (electricity demand and electric vehicles), Katsuki Ishimaki (cyber security), John Moloney (outages), Yu Nagatomi (planning and investment policies), Camille Paillard (public acceptance and permitting), Uwe Remme (supply chains) and Daniel Wetzel (employment).

* On **page 3**, **replaced** the following sentence:

Valuable input to the analysis was provided by: Daniel Crow (independent consultant).

**With:**

Valuable input to the analysis was provided by: **David Wilkinson** (independent consultant).

* On **page 89**, the incorrect unit of measure was changed from GW to TW in the last paragraph:

Over the ten years to 2021 the rate of additions and replacements was **2.4 GW** per year. Between 2022 and 2030 it increases to **3.5 GW** per year, requiring a significant uplift in activity. Subsequently, from 2031 to 2040, annual additions rise further to **4.5 GW** per year where they stabilise till 2050, reflecting a consistent level of growth in the power transformer industry. In all years, emerging market and developing economies account for the majority of new transformers.

**Replaced with**

Over the ten years to 2021 the rate of additions and replacements was **2.4 TW** per year. Between 2022 and 2030 it increases to **3.5 TW** per year, requiring a significant uplift in activity. Subsequently, from 2031 to 2040, annual additions rise further to **4.5 TW** per year where they stabilise till 2050, reflecting a consistent level of growth in the power transformer industry. In all years, emerging market and developing economies account for the majority of new transformers.

* On **page 90**, the incorrect unit of measure was changed from GW to TW in the figure first paragraph

**Old figure**



**Replaced with**



* On **page 90**, the incorrect unit of measure was changed from GW to TW in the first paragraph

In the NZE Scenario, the annual additions and replacements of power transformer capacity are significantly higher. Between 2022 and 2030, the pace reaches 4.9 **GW** per year, and accelerates further to 6.5 **GW** per year from 2031 to 2040. The rapid expansion in power infrastructure is needed to support the rapid energy transitions in pursuit of net zero emissions goal. From 2041 to 2050 additions and replacements decrease to 4.8 **GW** per year as demand growth begins to slow and energy efficiency measures take effect.

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In the NZE Scenario, the annual additions and replacements of power transformer capacity are significantly higher. Between 2022 and 2030, the pace reaches 4.9 **TW** per year, and accelerates further to 6.5 **TW** per year from 2031 to 2040. The rapid expansion in power infrastructure is needed to support the rapid energy transitions in pursuit of net zero emissions goal. From 2041 to 2050 additions and replacements decrease to 4.8 **TW** per year as demand growth begins to slow and energy efficiency measures take effect.