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ANNEX

ANNEX

to the

COMMISSION IMPLEMENTING REGULATION

**listing the products, components and waste streams considered as having a relevant
critical raw materials recovery potential under Regulation (EU) 2024/1252**

ANNEX

List of products, components and waste streams that are considered as having a relevant critical raw materials recovery potential:

1. Batteries, with the following components, in particular:
 - (a) Cathode active materials;
 - (b) Anode active materials;
 - (c) Cathode current collectors;
 - (d) Anode current collectors;
 - (e) Battery management systems;
 - (f) Internal cables.
2. Electrical and electronic equipment, with the following components, in particular:
 - (a) Permanent magnets;
 - (b) Hard disk drives;
 - (c) Compressors;
 - (d) Displays (cathode ray tube, liquid crystal, thin film, plasma);
 - (e) Printed circuit boards;
 - (f) Cables;
 - (g) Photovoltaic cells;
 - (h) Photovoltaic frames;
 - (i) Remaining fraction after specific dismantling in pre-treatment¹.
3. Wind turbines and related infrastructure, with the following components, in particular:
 - (a) Permanent magnets;
 - (b) Generators;
 - (c) Transformers;
 - (d) Converters and inverters;
 - (e) Cables.
4. Motor vehicles, as defined in the Regulation (EU) 2018/858 of the European Parliament and of the Council², with the following components in particular:

¹ While not a component, the fraction of waste electrical and electronic equipment that remains after specific dismantling in pre-treatment typically contains high amounts of critical raw materials and may therefore be worth targeting in national circularity programmes.

- (a) Permanent magnet traction motors;
 - (b) Induction traction motors;
 - (c) Non-traction electric motors;
 - (d) Electrical and electronic components subject to re-use, recycling or any other form of recovery under relevant Union acts in their valid version;
 - (e) Converters and inverters;
 - (f) Main wiring harnesses;
 - (g) Fuel cells;
 - (h) Catalytic converters;
 - (i) Spark plugs;
 - (j) Wrought aluminium components and/or parts;
 - (k) Cast aluminium components and/or parts;
 - (l) Magnesium components and/or parts.
5. Light means of transport.
 6. Energy and telecommunications infrastructure.
 7. Industrial pumps.
 8. Industrial catalyst.
 9. Digestate or compost from separately collected biowaste.
 10. Slags, sludges, and ashes, in particular:
 - (a) Sewage sludge from urban wastewater treatments;
 - (b) Bottom and fly ashes resulting from the mono-incineration of sludges from the treatment of urban wastewater;
 - (c) Bottom ashes from municipal solid waste incineration;
 - (d) Bottom ashes from commercial or industrial waste incineration.
 11. Construction and demolition waste, particularly focusing on aluminium and copper alloys and cables in buildings.

² Regulation (EU) 2018/858 of the European Parliament and of the Council of 30 May 2018 on the approval and market surveillance of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles, amending Regulations (EC) No 715/2007 and (EC) No 595/2009 and repealing Directive 2007/46/EC (OJ L 151, 14.6.2018, p. 1–218, ELI: <http://data.europa.eu/eli/reg/2018/858/oj>).