Commitment details

In order to fulfil their commitment towards procuring primary aluminium, members of the First Movers Coalition commit to procuring low-carbon primary aluminium satisfying the following criteria:

– Primary aluminium produced using breakthrough technologies
– Emitting <3 t of CO2 per tonne of aluminium produced, including all emissions from cradle to gate

If members of the First Movers Coalition choose to pursue the optional commitment to procure secondary aluminium, they commit to procuring secondary aluminium (also known as recycled aluminium) which sourced from either pre-consumer or post-consumer scrap.

These commitments do include aluminium that does not meet the primary aluminium threshold defined by the FMC.

Leading analysis identifies that our goals are most likely to be accomplished with primary aluminum production using nascent and advanced green technologies – such as inert anodes, CCUS (carbon capture use and storage), green H2, mechanical vapor recompression (MVR).

Voluntary commitments made by joining the First Movers Coalition are subject to the availability of technology supply that enables companies to meet their 2030 purchase pledges and acknowledge that these technologies may come at a premium cost.

The First Movers Coalition will facilitate a range of collaborations and mechanisms to support companies in fulfilling their purchasing commitments.

Design committee sector contributors

Aluminium for Climate (WEF), Mission Possible Partnership

1. Includes full life cycle (cradle-to-gate) greenhouse gas (GHG) emissions across all processes including mining, refining, anode production, electrolysis, and casting; all sources including GHG emissions from electricity, direct emissions, GHG emissions from thermal energy, transport, and ancillary materials