

First Movers Coalition – Aluminium commitment

The First Movers Coalition has set ambitious commitments for purchasers of aluminium:

“At least 10% (by volume) of all our **primary** aluminium procured per year will be low-carbon (as per FMC definition) by 2030”

In addition, companies are invited to undertake an optional commitment to encourage the use of near-zero emissions **secondary** aluminium:

“In addition to our primary aluminium commitment, we commit to ensuring that at least 50% of all aluminium we procure per year is sourced from secondary aluminium by 2030.”

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 gate¹

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