

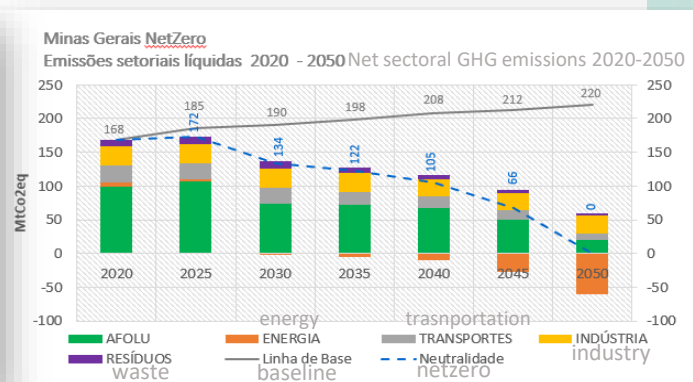
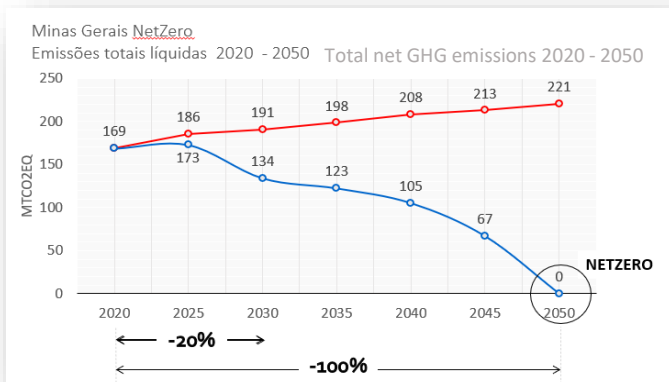
# SUCCESS CASES OF THE STATE OF MINAS GERAIS/BRAZIL

## STATE CLIMATE ACTION PLAN – PLAC MG

### Decarbonization Plan for the State of Minas Gerais within a climate neutral Brazil 2050

Focused in netzero emissions, the development of the PLAC-MG involved a study to identify the best trajectory for achieving neutrality of net greenhouse gas emissions. This study was carried out in partnership with large entities that have wide national and international recognition on climate issues, such as CDP Latin America, ICLEI, UFRJ through the Alberto Luiz Coimbra Institute for Postgraduate Studies and Research in Engineering, COPPE, in addition to USP and UFMG. It identified the best mitigation technologies within a dynamic and integrated model that created the optimal decarbonization trajectory with the identification of key sectors for achieving the neutrality scenario for net greenhouse gas emissions by 2050, in accordance with the commitment made together to the Race to Zero global campaign.

#### Goal Trajectory



The best strategies identified from the aforementioned study to achieve neutrality in Minas Gerais, based on cost-effectiveness criteria, were considered for the composition of the PLAC-MG, the main ones being: the reduction of deforestation, achieving the scenario of zero illegal deforestation by 2028; continued forest restoration until 2050 to expand stocks and remove GHG gases, including through commercial forestry planting; the decarbonization of the transport sector with the replacement of fossil fuels and electrification of fleets; the continued expansion of electricity generation from renewable sources; the decarbonization of strategic industrial processes, through the replacement of materials and fuels and energy efficiency; the introduction of carbon capture and storage technologies, especially in the production of biofuels, generating negative emissions; and the promotion of low-carbon agriculture.

The result of the study is a trajectory (goal scenario) that is feasible and coherent with the practices already employed locally in the economic sectors and by their agents and aligned with the current stage of Brazilian technological development, as well as the expected progress in the short, medium and long term deadlines.