Title:An outlook on the energy mix at South African beverage manufacturers and
opportunities for greater adoption of renewable energy solutions

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The adoption of renewable energy solutions by industry is critical, given that industry represents 50% of carbon emissions globally and in South Africa. The South African beverage sector was chosen for this research to define boundary conditions and frame investment decisions. Leveraging the candidate's twenty-year experience in this sector, a framework for the accelerated adoption of renewable energy technologies is proposed. The framework incorporates a data-driven renewable energy capacity and cost forecasting approach and techno-economic analyses of investment options to support strategic decision-making regarding the shift towards sustainable industrial energy systems. Francois has successfully published two articles already.