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Title : Transforming Waste for a Circular Future

In our commitment to transitioning towards a circular economy, AEB Amsterdam is strategically focusing on reducing the incineration of valuable materials, including plastics, organic wet fractions, paper, cardboard, ferrous, and non-ferrous metals. This presentation will delve into our comprehensive approach to enhancing material recovery and exploring alternative processing routes.

Our approach begins with a separation unit designed to extract high-quality materials from waste streams, ensuring that valuable resources are efficiently recovered. This process reduces the amount of waste directed to incineration, allowing us to focus on recycling and repurposing materials wherever possible. Our ambition is to go from current 3% recovery to 30% by 2030. Hence, it is central to our strategy to explore innovative recycling technologies. In addition to plastics, we harness the potential of organic waste and paper and cardboard which will help us achieve our recovery target.

This presentation will highlight some case studies and operational data, demonstrating the effectiveness and economic viability of some of these technologies, along with the challenges faced in this transition. We emphasize the importance of strategic partnerships with technology providers, recyclers, and end-users to ensure seamless reintegration of recovered materials into the production cycle.

While recognizing the essential role of waste-to-energy incineration for non-recyclable materials, we will also address the challenges of contamination and collection inefficiencies, highlighting the need for supportive policies and incentives.

In this presentation, we will share our insights into how AEB Amsterdam is at the forefront of transforming waste through innovative recycling, paving the way for a sustainable and circular future.