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Thank you,

I commend the President on issuing this Executive Order, which acknowledges that successfully scaling innovation takes an all-of-government approach. We cannot underestimate the importance of coordination between programs, departments and agencies in accelerating commercialization, impact and importantly, education and access.

In support of this, I have set a grand challenge for myself and for my team.

By 2040 we hope that every US consumer, regardless of where they are from or how much they earn, will have direct access to a sustainable version of every product they purchase. We must not let sustainable products be limited to the wealthy. They must dominate high volume commodity products and be made at the least cost and be accessible to all.

We depend on fossil resources for our everyday lives though these are deteriorating our climate and polluting our air and water.

To successfully transition away from virgin fossil inputs, we need scalable alternatives and, I believe, biotechnology can be the engine that drives this change. This new carbon economy is a trillion dollar opportunity and brings jobs, particularly in manufacturing and rural communities.

LanzaTech leverages robust, industrial biotechnology, using a naturally occurring organism to transform waste carbon through a process called gas fermentation.

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Biotechnology is economic and scalable because it is inherently flexible. Mixed waste streams, agricultural wastes, municipal waste, and industrial carbon emissions can all be used as low-cost feedstocks. CO_2, with the addition of green H_2, can make an unlimited supply of sustainable products!

LanzaTech currently operates 3 commercial facilities that convert industrial emissions into ethanol and that ethanol has been used to make clothing, packaging, aviation fuel, fragrances, cleaning products, and detergent. Imagine, imagine polyester for a dress made from recycled carbon from a steel mill. This is not science fiction; this is happening commercially today.

We have partnered with consumer brands who want these materials in their supply chains. And we are leveraging existing infrastructure that allows for the rapid scale-up in industries that have been difficult to decarbonize.

With the production plants we are operating and building today we believe we will reach 200 million gallons of production capacity and 1 million tons of annual CO_2 mitigation in the next 3 years.

Ten years ago, this was not possible.

But thanks in large part to ambitious programs and funding assistance from key government agencies and collaboration with the US National Labs, we have built a comprehensive suite of genetic/synthetic biology tools and AI-based models that allow us for the first time to precisely engineer such biological factories to enable production of over 100

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different chemicals. Imagine that. 100 different chemicals from repurposed waste carbon.

Thanks to the passage of the CHIPS and Science Act, the Inflation Reduction Act, and the Executive Order to launch a National Biotechnology and Biomanufacturing Initiative we now have the foundation to dream bigger and act bolder ensuring the U.S. meets its emissions reduction goals while creating more reliable and more sustainable supply chains.

I appreciate the invitation to join you here today and commit myself and LanzaTech to working with each of you in solving our world's greatest challenges, through innovation, collaboration, and determination.