



ACCELERATING CIRCULARITY & DECARBONIZATION

Han Zhang

Dow, Inc.

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THE MATERIALS ECOSYSTEM

Unlocking the Value of Waste

An innovative systems approach to help waste reach its full potential



Waste Infrastructure

- Waste Collection
- Sorting and Cleaning Technology
- Containment Technology

Waste Recycling

- Recycling Stewardship
- Analytical Characterization
- Depolymerizing / Purification Technologies
- Traceability and Digitalization

Alternate Feedstocks

- Ecological Impact Analyses
- Responsible Agriculture Practices
- Biowaste Capture / Conversion

Product Design

- Monomers, Catalysts, Additives
- Manufact. Process Technology
- Application Technology
- Composability / Biodegradation

TRANSFORM THE WASTE : DRIVERS AND ACTIONS

Invest to Grow

Decarbonize

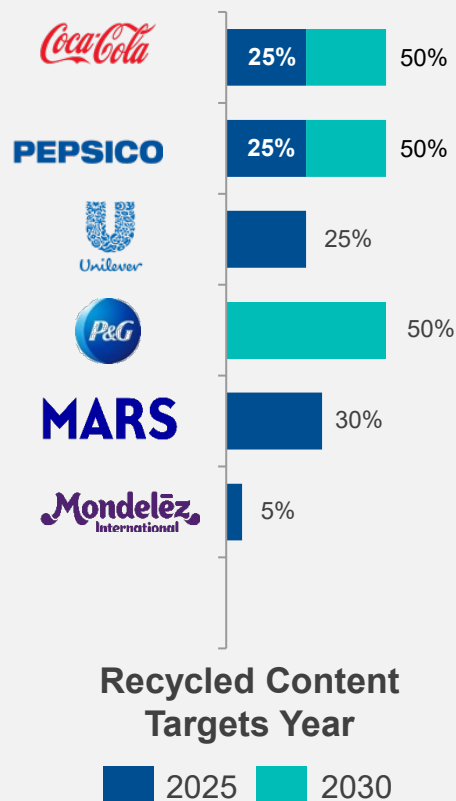
Transform the Waste

- **Scale circular feedstock supply** through direct investments and strategic partnerships
- **Deliver next-generation technologies** — **Dissolution and gasification**
- **Commercialize 3MM MTA** of circular and renewable solutions through advanced recycling, mechanical recycling and biobased materials

Deliver Breakthrough Innovation

Combining Strengths to Accelerate Impact

Top Brand Recycled Plastic Content Commitments¹



Collaboration Spotlight



Developing a suite of complementary technologies

Access to waste
as a leading
mechanical
recycler

Expands PCR
to wider range of
applications,
customers

Film recycling
expertise
accelerated by
acquisition



Dissolution Technology JDA

Transform
hard-to-recycle
waste into circular
PE

Innovate
novel technology
with lower GHG
emissions

Accelerate
PCR² in
packaging
applications

1. Source: Ellen MacArthur Foundation, SBTi database, company websites/reports

2. Post-consumer recycled content

Note: GHG: Greenhouse Gas; PCR: post-consumer recycled content



PROTECT THE CLIMATE: PATH2ZERO

Protect the Climate

Near Term:

By 2025, we intend to reduce our Scope 1 & 2 carbon emissions¹ by 2MM metric tons (mta) vs. our 2020 baseline.¹

Mid Term:

By 2030, we intend to reduce our net annual Scope 1 & 2 carbon emissions¹ by 5MM mta vs. our 2020 baseline.¹

Long Term:

By 2050, Dow intends to be carbon neutral (Scope 1 + 2 + 3 plus product benefits).

Our Approach to Climate Protection



Optimizing Our Manufacturing Facilities & Processes for Sustainability



Increasing Use of Clean Energy & Steam



Investing in Transformative Next-Gen Manufacturing Technology



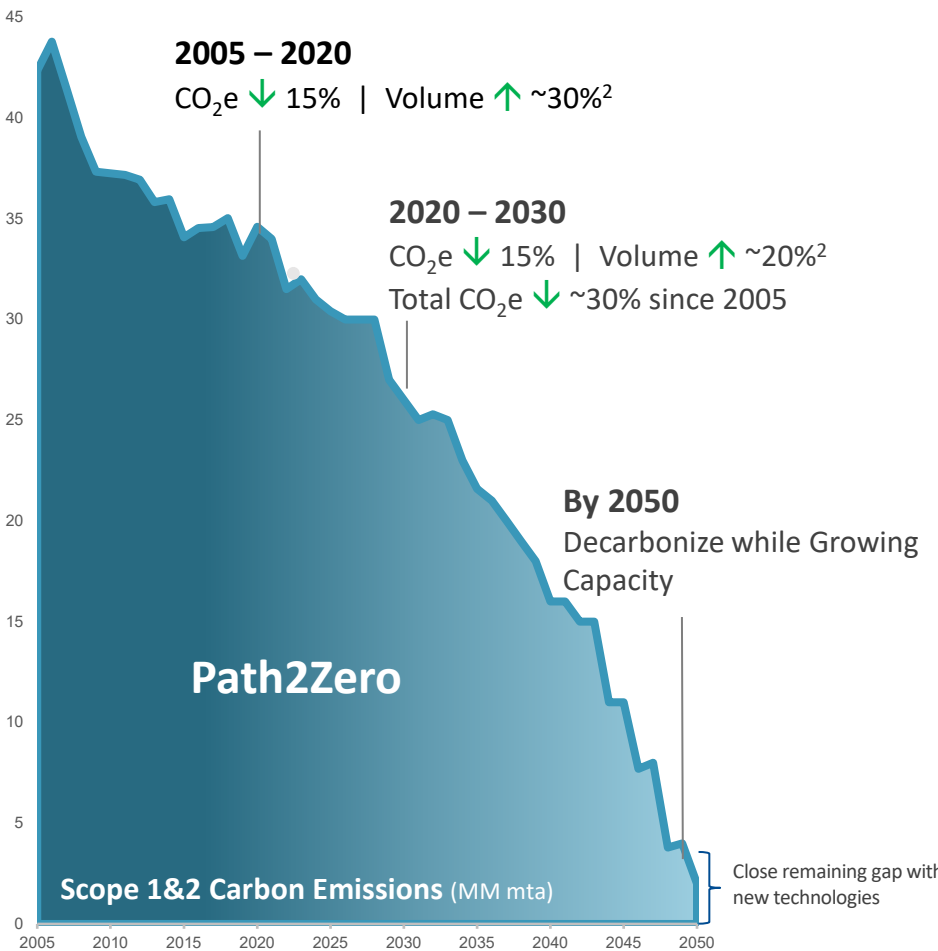
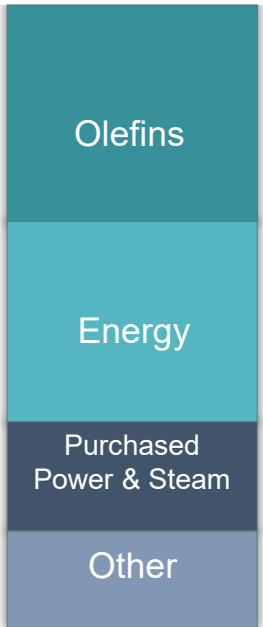
Developing Low-Carbon Products & Services



Building a Value-Generating Scope 3 Decarbonization Pathway

Aligning Timing with Growth and Asset Renewals

Dow Current S1/S2 Emissions



Note: All references to carbon are specific to GHG emissions in carbon dioxide equivalent (CO₂e).

1. The 2020 baseline equals 34.7 million metric tons of carbon dioxide emissions. Carbon emissions refers to GHG emissions in carbon dioxide equivalent (CO₂e).

2. Volume growth represents ethylene capacity, excludes JVs.