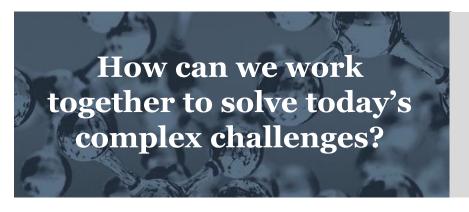


This Is Dow



It starts with passion and purpose. At Dow, our people use science and collaboration to create what matters most to our customers, society and the planet. Our ambition to be the most innovative, customer-centric, inclusive and sustainable materials science company in the world drives best-in-class performance and a culture where new ideas thrive.



2020 NET SALES

\$39B



EMPLOYEES

~35,700



MANUFACTURING SITES

106 sites



GLOBAL REACH

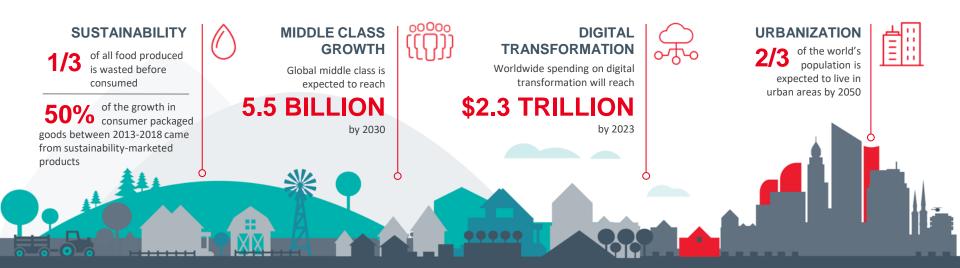
31 countries

in which Dow manufactures products

Note: All data as of December 31, 2020



MATERIALS SCIENCE SOLUTIONS TO SUSTAINABLY ADDRESS GLOBAL NEEDS



Channeling Dow's materials science expertise as we collaborate and innovate with customers and partners to create solutions that positively impact the world

Packaging

Providing solutions to keep foods fresher and deliver high-performing, durable, lighterweight and recyclable packaging

Infrastructure

Enhancing energy efficiency, circularity and durability in building and construction, appliances, adhesives, lubricants, and wire and cable

Consumer

Meeting consumers' needs for innovative, convenient and more sustainable home and personal care solutions



ACCELERATING SUSTAINABILITY ACTIONS TO TACKLE CRITICAL CHALLENGES

Ambitious 2025 Sustainability Goals Today's challenges demand accelerated action

Honing our focus:



Introducing targets aimed at:



Carbon Reduction



Eliminating Plastic Waste

Continuing our progress:



Leeding the



Delivering Breakthrough Innovations



Advancing a Circular Economy



Valuing Nature



Safe Materials for a Sustainable Planet



Engaging For Impact: Communities, Employees, Customers

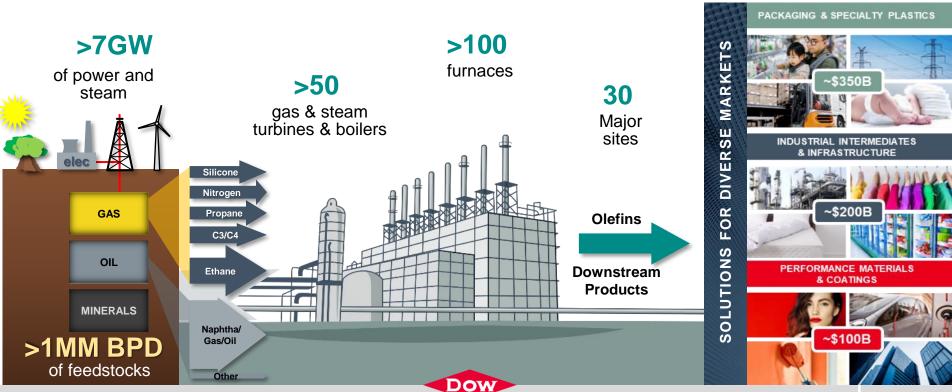


World-Leading Operations Performance



LEADING THE ENERGY TRANSITION AT SCALE

By 2030, Dow will reduce its net annual carbon emissions by 5 million tons (15%) By 2050, Dow intends to be carbon neutral (Scopes 1+2+3 plus product benefits)



Dow's Action Plan to Achieve Carbon Neutrality by 2050











Optimizing Our Facilities and Processes

Increasing
Renewables in Our
Purchased Power
Mix

Evaluating
Investments in
Carbon Capture,
Usage and Storage
(CCUS)

Developing Low-Carbon Technologies for Emission Reductions

Deploying
Materials to Help
Reduce Emissions
for Customers and
Industries



Fuel, Steam, Power & CO₂ Inextricably Linked

MUST CONSIDER EACH FACTOR TO OPTIMIZE

Color Key for Graphic

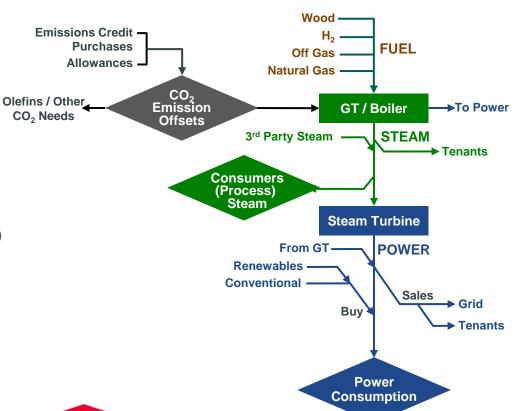
FUEL ◆ STEAM ◆ POWER ◆ EMISSIONS

Traded markets have volatility

Fuels, Power, and Emissions

Companies have choices

- Operate assets (i.e. gas turbines, boilers)
- Purchase
 - Grid
 - PPA's (Power Purchase Agreements)
 - Third party providers

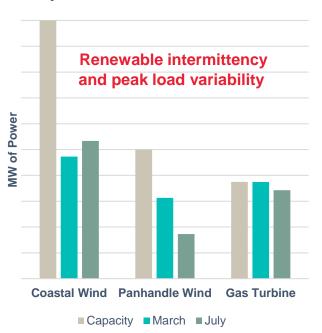




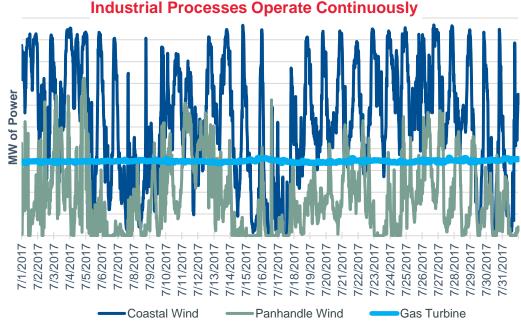
TECHNICAL ASPECTS OF GRID DESIGN MATTER TO INDUSTRIALS

RENEWABLES + CO-GEN = STEADY POWER

Key Statistics for Dow Assets in Texas



July 2017 Delivered MW to Dow Users in Texas



ADDING MORE RENEWABLES TO OUR PURCHASED POWER MIX

Sustainability trends





Clean Energy





Our Value Proposition



DOW MATERIALS SCIENCE

Leverage Dow Core Expertise as large-scale power & steam consumer & producer



CUSTOMER FOCUS

Reliable power & steam ensures reliable supply



RESOURCE EFFICIENCY

Increasing use of renewable power to obtain 750 MW of our demand by 2025

Industry-leading clean energy use

- Dow is #1 user of clean energy in the chemical industry
- Top 25 global corporations for renewable power use
- Our reductions reduce scope 3 emissions for our customers
- We support additionality that makes renewable power available to local consumers as well

As we add more clean energy through our purchased power agreements, we lower our emission footprint, become a more sustainable supplier to our customers and often support the growth of renewable power for local consumers.



2020 – Solar energy for our silicone site in Carrollton, KY through new solar complex



2020 – Solar energy for **Brazil**, adding to clean energy use through hydropower and biomass



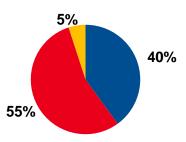
2019 – Addition of second wind turbine at **Seneffe**, the site of Dow Silicones Belgium, supplying the Dow site and contributing to the grid



ROAD MAP FOR ZERO CARBON INDUSTRIAL COMPLEX BASED ON H2

Current

CO₂ Emissions



- Power & Steam
- Building Blocks
- Final Products

Generation 1

Efficiency Improvements, Renewables, Blue Hydrogen & CCS Infrastructure

Scope

Emissions

- Purchase renewable power where balances allow
- Install best-fit on-purpose
 H₂ technology to support
 pre-combustion de carbonization using cracker
 off-gas as feedstock
- Install infrastructure for H₂ distribution and CO₂ export

Generation 2

Optimization & Technology Transition

Further Optimization

- Retrofit turbines for 100%
 H₂ fueling or replace with electrical drivers
- Capture CO₂ from point sources
- Optimize H₂ allocation & production

Generation 3+

- Implement new process technologies (e-cracking, syngas to olefins, others)
- Retrofit balance of assets to maximum H₂ fueling
- Connect to green H₂ infrastructure
- Use CO₂ and eliminate export needs

New Process
Technologies:
CO₂ Reduction to Near
Carbon Neutral

2020 2050

Scope 3: Work with supply chain to reduce, reuse, recycle, and offset emissions



