



Pathways to Net Zero: Pfizer's Approach

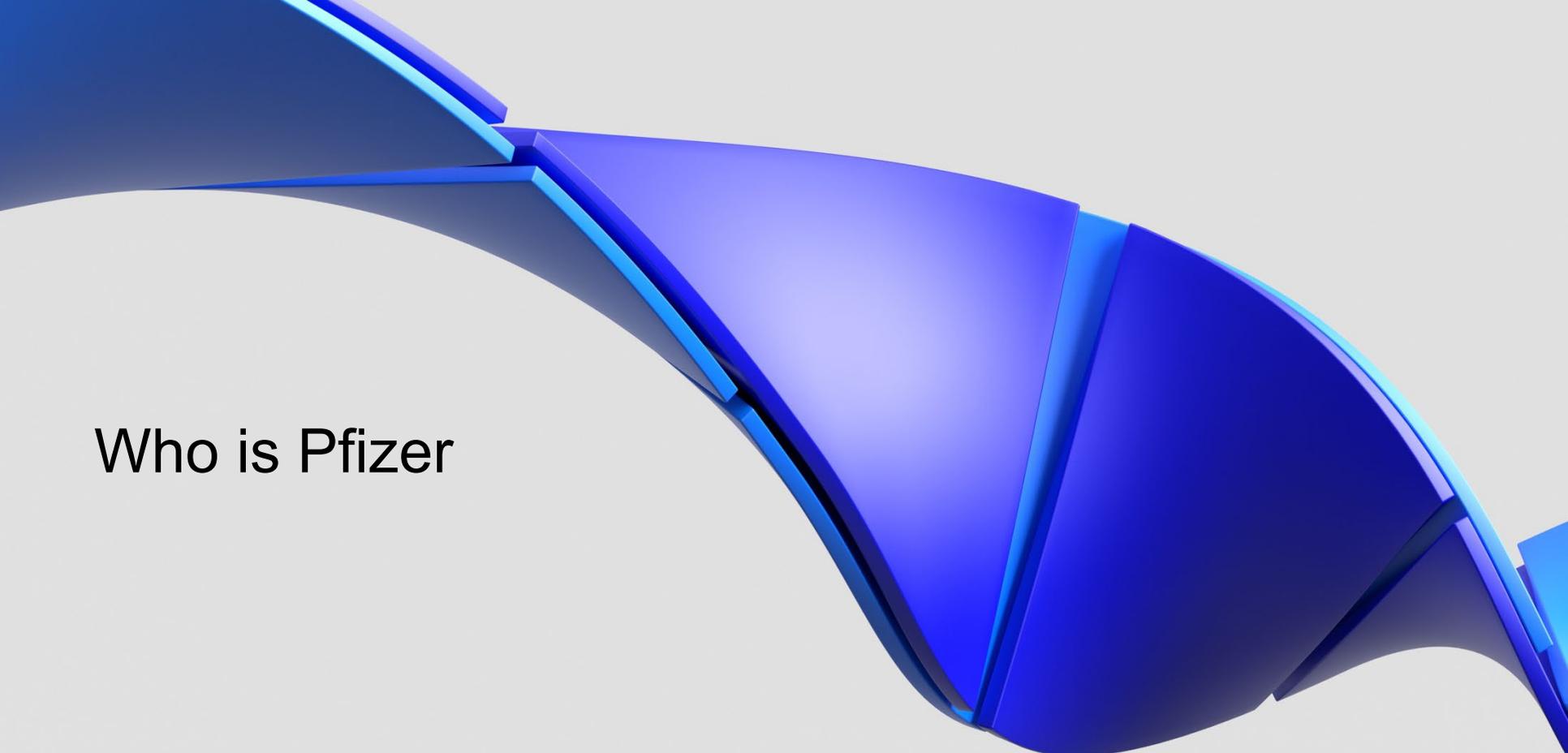
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Agenda

- Pfizer
- Goals & Targets
- Pathways to Decarbonization
- Opportunities & Challenges
- Questions



An abstract, three-dimensional graphic composed of several overlapping, curved blue planes. The planes are rendered with a gradient from light blue to dark blue, creating a sense of depth and movement. The overall shape is reminiscent of a stylized DNA double helix or a series of connected, flowing segments.

Who is Pfizer

Our Purpose

Breakthroughs that
change patients' lives



Our Company



\$100.3B

REVENUE in 2022*

36



MANUFACTURING sites worldwide



~86,000

COLLEAGUES around the world



>181

COUNTRIES
in which Pfizer
sells products



10

PRODUCTS
with sales greater
than **\$1B** in 2022



110

PROJECTS
in Clinical Research
and Development**

* Pfizer Earnings – Full Year 2022 Results

** As of January 31, 2023: [Product Pipeline: Pharmaceutical Pipeline for New Drugs | Pfizer](#)

Our Responsibility

Pfizer's Approach to Environment, Social and Governance (ESG) Commitments and Reporting



Product Innovation



Equitable Access and Pricing



Product Quality and Safety



Diversity, Equity and Inclusion



Climate Change



Business Ethics

Environment

As planetary health impacts public health, we are committed to limiting our impact on the environment and the climate. Our company purpose – Breakthroughs that change patients’ lives – guides our environmental priorities, with a focus on impact reduction, conservation of resources and the reduction of waste arising from our operations.

Climate Change 26

- Our 2030 Climate Ambitions
- Reducing Emissions From Our Operations
- Accelerating Action Across Our Supply Chain
- Proactive External Engagement
- Understanding How Climate Change Could Impact Our Business

Sustainable Medicines 29

- Pharmaceuticals In The Environment
- Waste
- Water Stress

How our approach to environmental sustainability supports the SDGs



Industry, Innovation, and Infrastructure

We promote resilient and sustainable infrastructure, scientific research and innovation.



Responsible Consumption and Production

We aim to achieve environmentally sound life cycle management and adopt sustainable practices



Climate Action

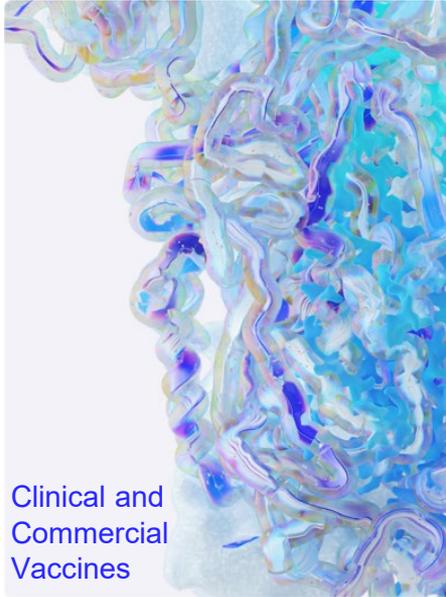
Through our goals we are taking urgent action to combat climate change and its impacts.

 More information on the SDGs [here](#).

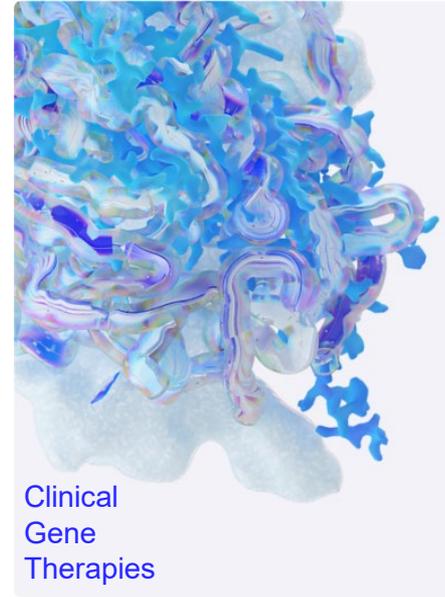
Sanford, NC



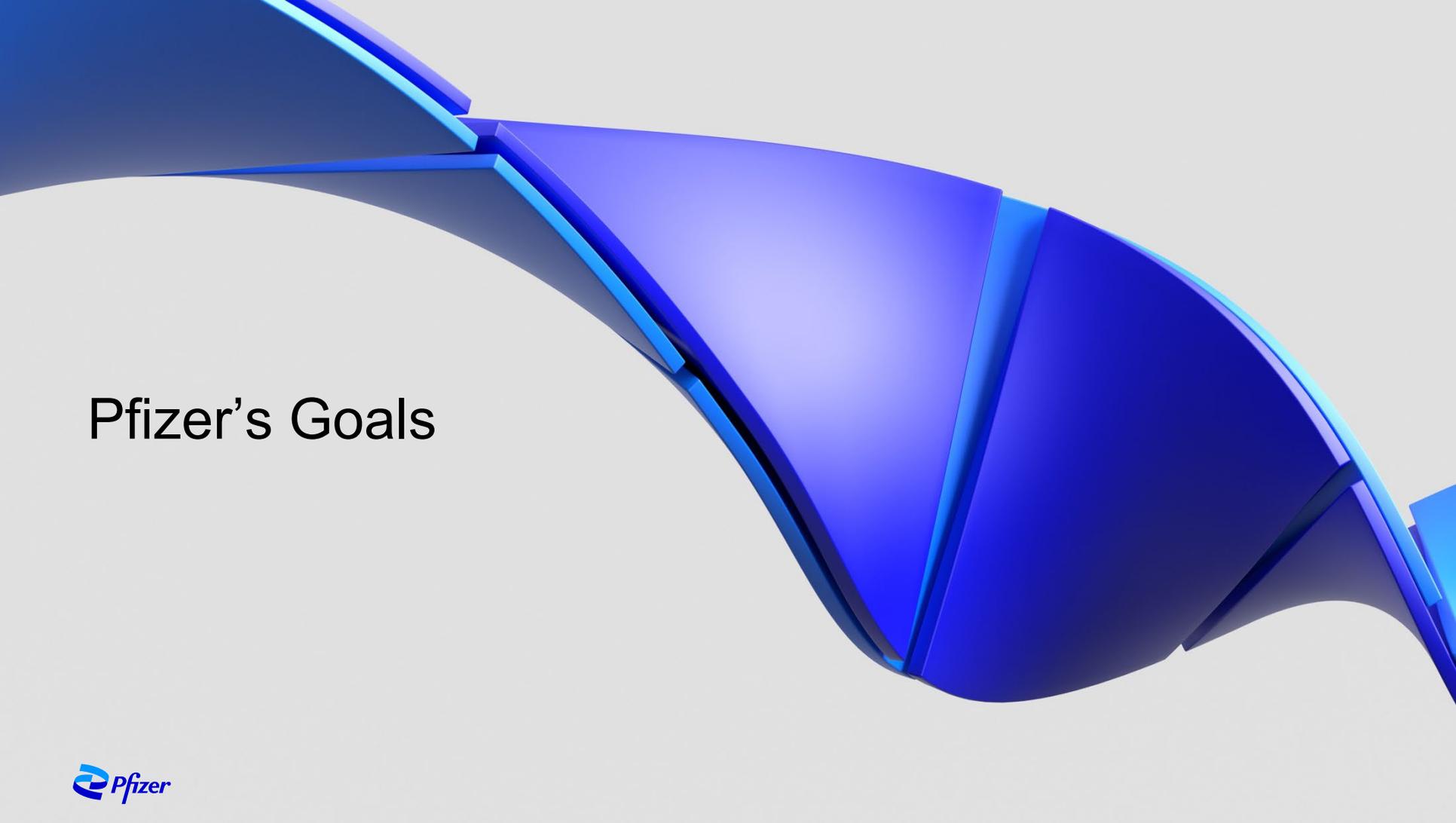
About Sanford: Our Products



The best time to stop a virus or bacterium is before it can infect someone. **Vaccines** can give your body way to identify an infecting agent, and instructions on how to defeat it—and potentially, avoid infecting others. Sanford has been producing vaccine components since 1987.



Unlike traditional medicines or therapies, **gene therapy** is a potential one-time treatment aimed at targeting the underlying cause of a disease at the cellular level and may deliver transformational improvement in quality of life. Sanford became involved in gene therapies in 2017.

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Pfizer's Goals

Greenhouse Gas (GHG) Emission Reduction Goals

2030: Near-Term Target

Reduction of absolute scope 1 and scope 2 emissions by 46% compared to a 2019 baseline

2030: RE 100

Increase renewable electricity from 9% in 2019 to 100% across global operations

2040: Net-Zero Standard

Reduction of company emissions by 95% and value chain emissions by 90% compared to a 2019 baseline



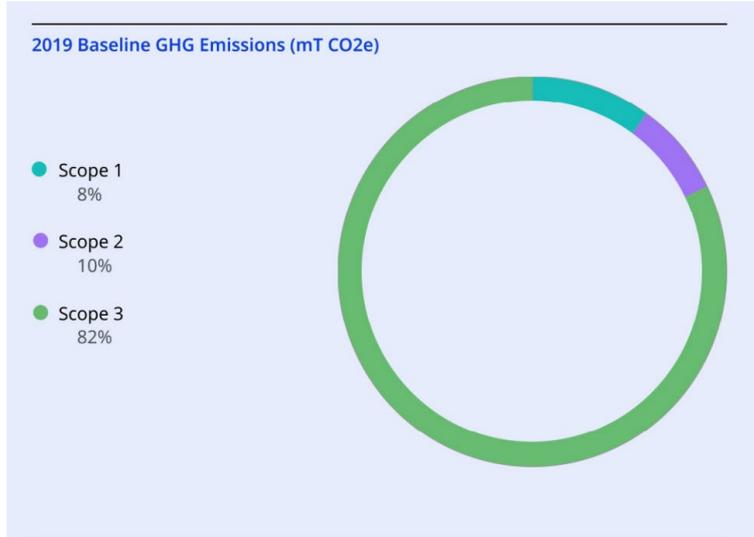
THE CLIMATE GROUP  CDP
ENCOURAGING BETTER ACTION



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Pfizer 2019 Baseline Emissions



Scope 1: Direct emissions (i.e., NG Boilers)

Scope 2: Indirect emissions - Purchased Electricity

Scope 3: Indirect emissions – Value Chain

2019 Baseline Scope 3 GHG Emissions (mT CO2e)



What does this look like?



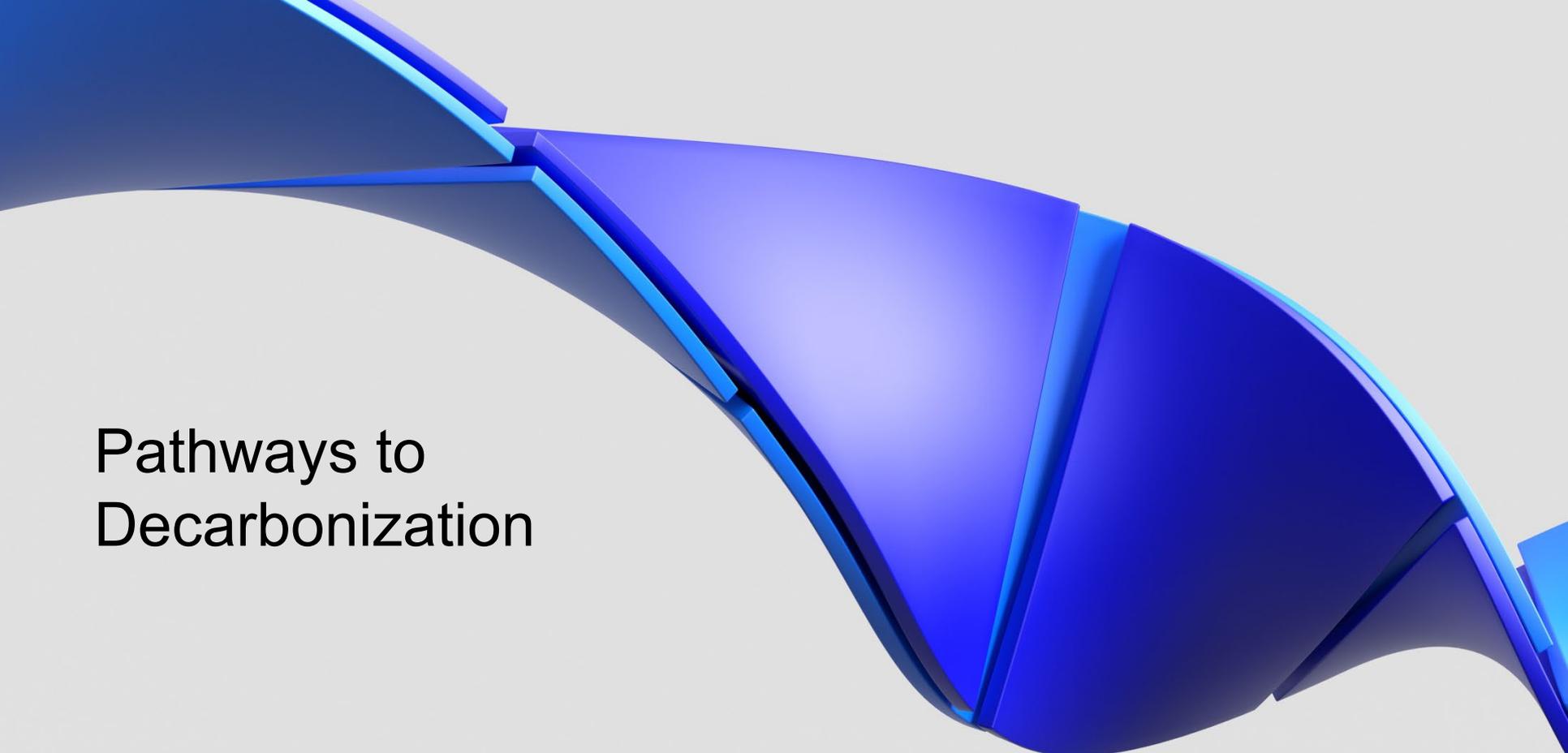
Robust Data
Collection
(3rd party verified)



Aggressive Annual
Targets (KPIs)

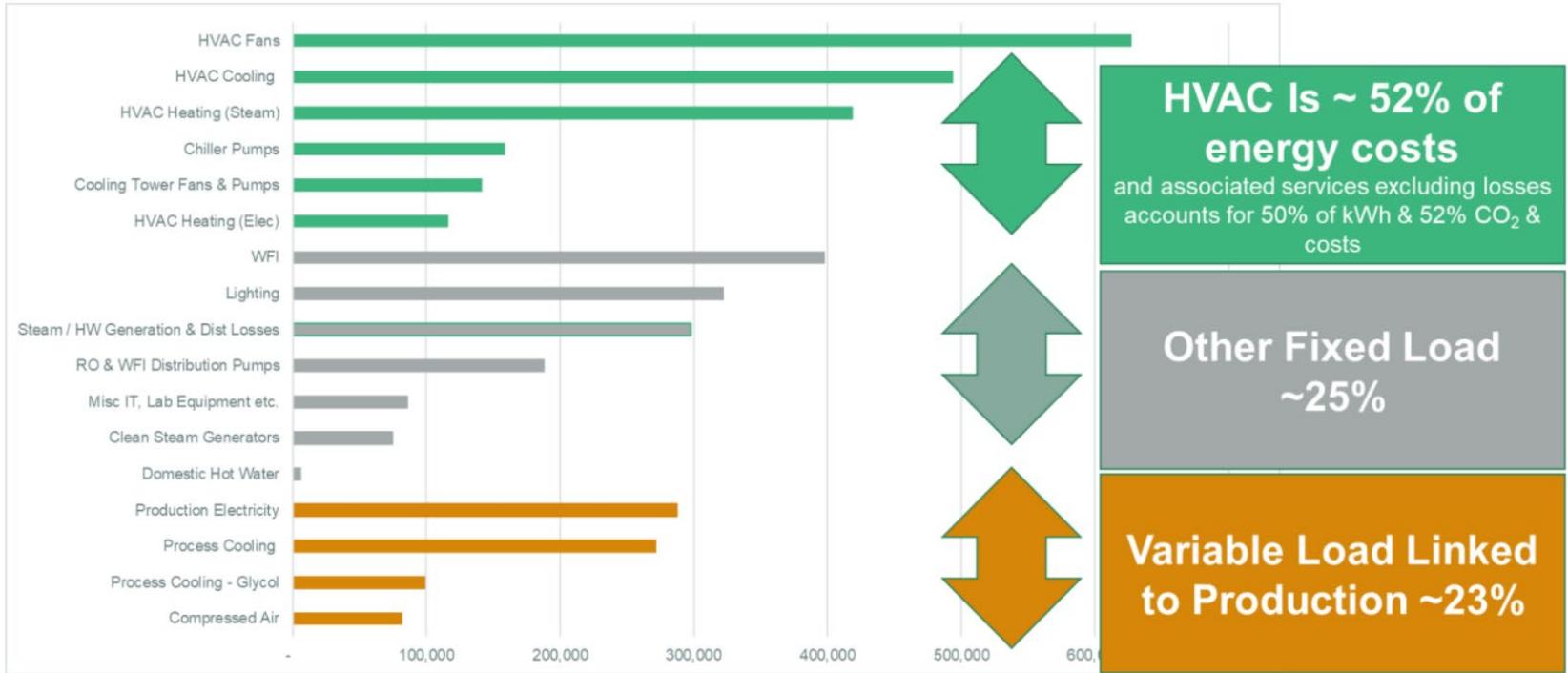


Sustainability &
Utilities
Masterplans

An abstract 3D graphic composed of several overlapping, curved, blue and purple planes that create a sense of depth and movement, resembling a stylized wave or a series of connected steps. The planes are rendered with soft shadows and highlights, giving them a three-dimensional appearance. The overall shape is dynamic and modern, set against a plain white background.

Pathways to Decarbonization

Understanding Energy Use & Profile



Evaluating Low-Cost Options

Demand Reduction

Energy Efficiency – least cost solution

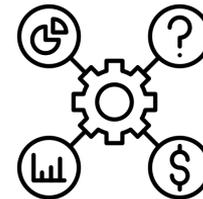
- Equipment Staging
- Utilization of Building Management Systems (BMS)
- Capacity & Demand Studies



Energy Management

Program Ownership & Control on Utility Spend

- Dedicated Energy Manager
- Metering & Target Setting
- ISO 50001 Principles



Sustainability Through Investments

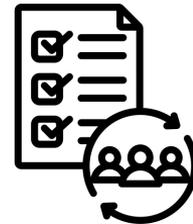
Asset Management

- End-of-life equipment replacement plans.
- Selecting high efficiency motors, pumps, and fans.
- Refrigerant selection



Long Term Planning

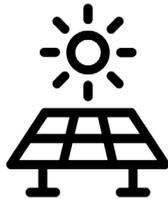
- Engagement with company finance & long-term master planning
- Criteria for purchases – no future investment in fossil fuel burning equipment
- Green Building Design Principles



Integration of Renewables

On-site Renewables

- Biomass (thermal heat loads)
- Solar
- Wind
- Geothermal
- Cost competitive when comparing to the cost of carbon abatement



Power Purchase Agreements (PPAs)

- Effective if land is not available
- Can be done at a large scale
- Should be considered after implementation of technology & energy efficiency opportunities



Addressing Value Chain Emissions

Integrated
Environmental
Criteria



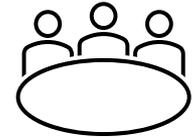
In our supplier, sourcing, contracting, and performance management processes.

Supplier
Established Goals



Asked to establish baseline emissions and set reduction targets in line with SBTi guidance.

Industry Group
Engagement



CDP Supplier Engagement Leader and involvement in other industry groups.

Challenges & Opportunities

Key Stakeholders

Get the right people in the room



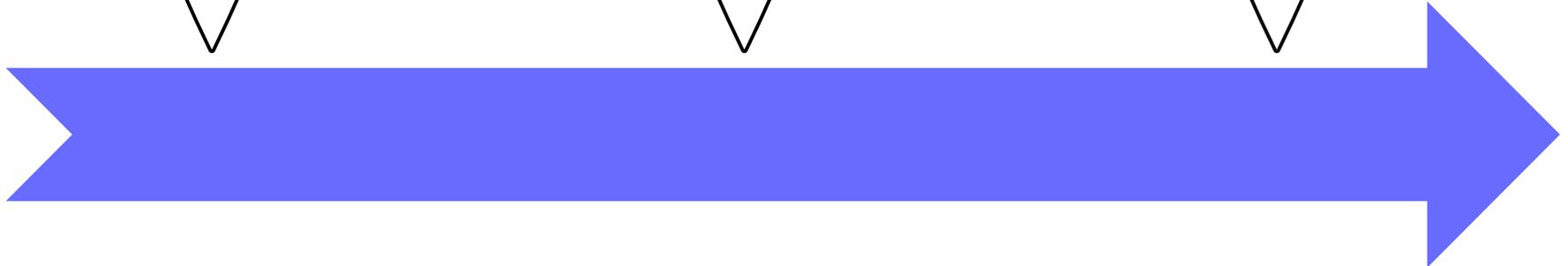
Education

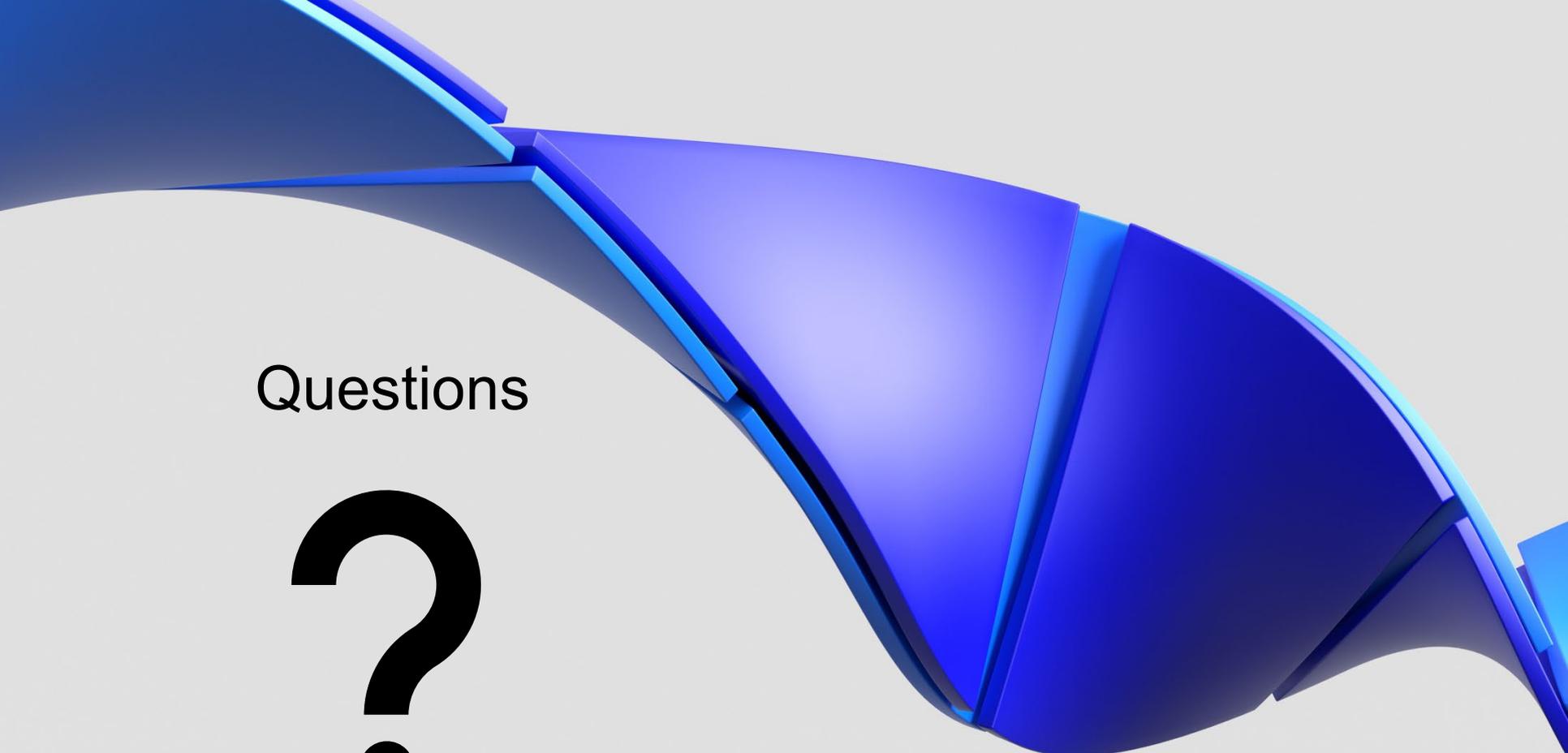
Use every opportunity as a teaching opportunity



Business Processes

Integrate sustainability into business processes





Questions



Contact Information



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