

# Aptar's Carbon Transition Plan

This plan has been updated. See most recent Climate Transition Plan [here](#).

We operate with care for our employees, communities and environment by continuously improving our impact and reducing our footprint. Driven by purpose, we continuously innovate to meet the world's evolving needs in more efficient and effective ways.

In 2020, Aptar formalized our science-based targets (SBTs), setting a Scope 1 + Scope 2 emissions reduction goal consistent with well-below 2° Celsius (WB2°C); a renewable electricity target and a Scope 3 target in alignment to 2°C – all by 2030. In addition, Aptar developed an ISO 14064 compliant energy management system to map global greenhouse gas emissions and ensure accurate carbon accounting.

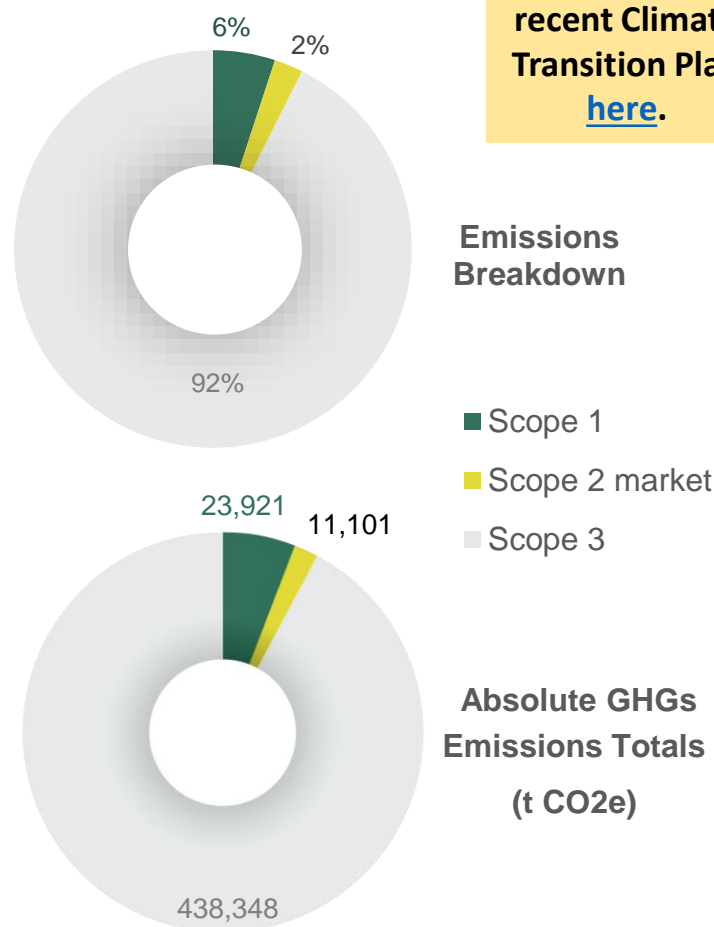
Aptar's targets validated by the SBTi are:

- Reduce absolute scope 1 and 2 greenhouse gas (GHG) emissions 28% by 2030 from a 2019 base year (well-below 2°C)
- Increase annual sourcing of renewable electricity from 57% of total consumption in 2019 to 100% by 2030
- Reduce absolute scope 3 GHG emissions 14% by 2030 from a 2019 base year (in-line with 2°C)

In 2020 and 2021, we significantly surpassed our original goals for emission reductions to the WB2°C scenario. Increases in renewable energy sourcing accounted for much of this progress. As of June 2022, we are working with the Science Based Targets Initiative (SBTi) to set Scope 1 and 2 absolute emissions reductions goals to align to the 1.5°C scenario. We expect validation of our new direction by the end of 2022.

Additionally, we increased our focus on our Scope 3 (value chain) emissions, as related to raw materials. Scope 3 emissions account for 92% of our total emissions and within that, most of these emissions come from Aptar's purchased goods & services, or raw materials. Plastic resins are our largest contributor to the raw material category therefore an added focus is needed to make progress towards our Scope 3 target. In addition to updating our Scope 1+2 targets, we are also working with the SBTi to update our Scope 3 baseline numbers as we have improved our ability to account for these emissions and have made some significant acquisitions since our initial validation in 2020.

Aptar participates annually in the Carbon Disclosure Project (CDP) assessment to report our energy, greenhouse gas and water management strategies and performance. Aptar has completed the climate change questionnaire annually since 2008, including supply chain, and the water questionnaire since 2013. We have seen steady improvements in our scores, and we are committed to maintaining our progress. Our CDP responses can be found within our [ESG Reporting Center](#). In addition to our SBTs, we have made the following public sustainability-related commitments, which include Diversity, Equity and Inclusion, and product-related targets. More information about our progress can be found in our annual [sustainability report](#).



## Aptar's Public Sustainability Commitments

GOAL	TARGET YEAR	2021 PROGRESS
Earn Landfill Free certification through our internal program for 60% of sites	2021	63%
Avoid disposing 80% of operational waste through reduction, recycling and reuse		83%
Increase women leaders at VP level and above to greater than 30% (2025), with an interim target of 25% by the end of 2022	2025	20%
Achieve 10% recycled resin content in personal care, beauty, home care and food/beverage solutions		0.41%
Reach 100% recyclable, reusable or compostable solutions in personal care, beauty, home care and food/beverage solutions		56%
Eliminate 100% of formaldehyde (POM), styrene (ABS, SAN), vinyl chloride (PVC), and Bisphenol A (PC, epoxy) in personal care, beauty, home care and food/beverage solutions		0%
Achieve 15% lower electricity intensity from baseline year 2020	2030	6%
Source 100% electricity from renewables		96%
Reduce Scope 1 + 2 emissions by 28% from a 2019 baseline		74%
Reduce Scope 3 absolute emissions 14% from a 2019 baseline		11%*

KEY: ■ = Goal exceeded ■ = Goal on track ■ = Goal at risk ■ = Goal regressed

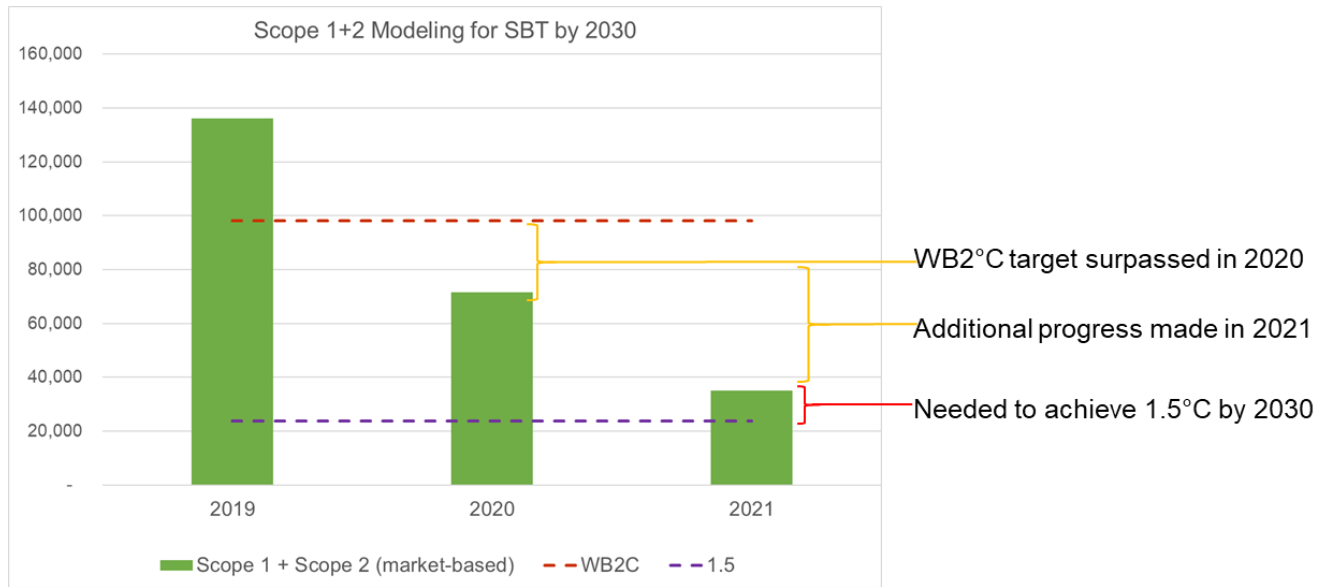
\* We have improved our Scope 3 accounting and transparency, lending more accuracy each year. This resulted in an 11% increase in total Scope 3 emissions in 2021. More information about Scope 3 may be found in our corporate sustainability report.



# Updating our Scope 1 + Scope 2 SBTs to the 1.5°C Scenario

As there is continued demand for organizations to prioritize environmental and social impacts equally with economic impacts and governance, we recognize the value of driving more sustainable outcomes. As previously mentioned, Aptar surpassed our Scope 1+2 reduction target in 2020, and further surpassed this target in 2021 as aligned to the well-below 2° scenario. Due to this progress, we were highly recommended by the SBTi to update our science-based target statements by year end 2022. Due to our significant progress and desire to strive towards ambitious climate action, Aptar has recently submitted a request for an update to the SBTi to align our target towards the 1.5°C Business Ambition. We expect validation of this new direction by the end of 2022.

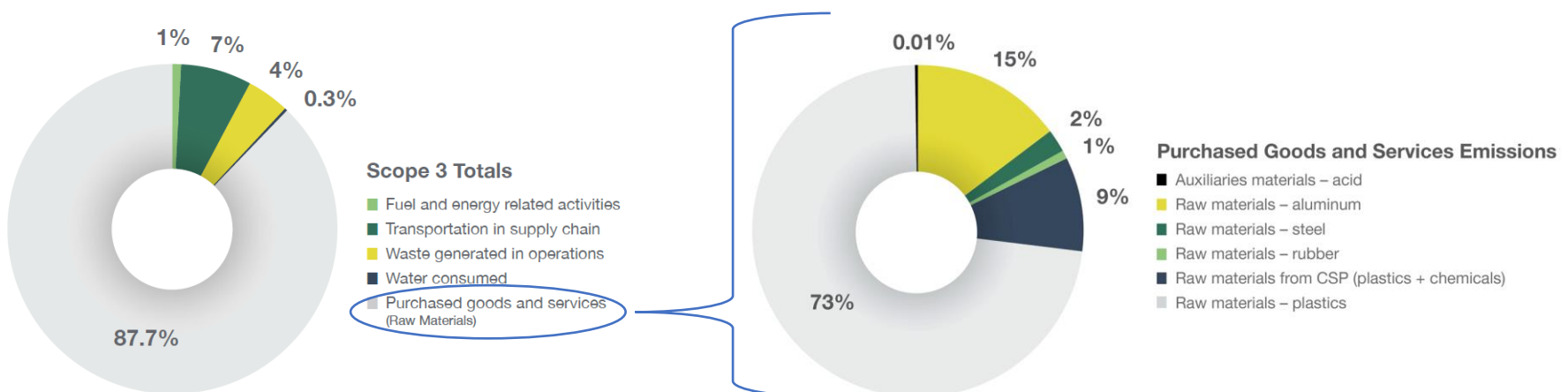
In late 2021, Aptar's Operational Excellence Team updated our energy roadmap. Through this update, the team identified the actions that would be needed to achieve the 1.5° Scope 1+2 target. As seen in the chart below, these new actions, coupled with our existing progress will help us reach our updated 2030 target. We look forward to sharing our climate actions for years to come.



## Scope 3 Emissions

For Scope 3 Emissions, the SBTi requires that targets are set on at least two-thirds of your total Scope 3 emissions. When we set our initial Scope 3 target, based on 2019 emissions, we initially validated a target that reflected two-thirds of our total Scope 3 emissions. We have continued to monitor and report on these emissions since 2019. However, since achieving validation in 2020, we have improved reporting capabilities to include more of our raw materials and emissions from waste generated within our operations. Therefore, as part of our request to update our Scope 1 + Scope 2 target to the 1.5° scenario, we have also requested an update to our 2019 baseline values to more accurately reflect our improved Scope 3 carbon accounting processes and to focus more specifically on the major contributors.

In June 2022, we proposed to the SBTi, that rather than basing our on two-thirds of our total emissions, we set the Scope 3 emissions target on two main categories: Transportation and Raw Materials (Plastics). These two categories make up over two-thirds of our total Scope 3 emissions, with transportation in the supply chain accounting for 7% of Scope 3 emissions and raw materials from plastics accounting for the vast majority of emissions from the purchased goods are services category. These two categories align to our business priorities and public sustainability commitments. To achieve our goal of using 10% recycled content in products, for the personal care, beauty, home care and food/beverage markets, we have a detailed action plan for converting to recyclable and recycled resins. Here we are reliant on customers to accept the qualifications of and conversions to these alternative resins in order to reduce our Scope 3 emissions in this category.



# Aptar's Actions Supporting a Transition to Lower Carbon

		Focus Areas	Supporting Actions
<b>Scope 1</b>	In our operations: Includes - fuels oils, natural gases and refrigerants	<ul style="list-style-type: none"> <li>• Conversion to green refrigerants</li> <li>• Green vehicles and fuels in our fleet</li> <li>• Natural gas consumption reduction</li> </ul>	<ul style="list-style-type: none"> <li>• We have a global energy roadmap led by the Global Energy Management Team that guides our actions in this area</li> <li>• Energy audits are completed at our sites globally. Through this, we have identified focus areas</li> <li>• Sites of concern have been identified to help us make progress on fuels, natural gas, and refrigerants</li> <li>• Aptar recently established a plan for capital expenditure funding for energy reduction related programs, like natural gas reduction, which will help sites achieve progress</li> <li>• Green Building Guidelines have been established for all new and existing Aptar sites</li> </ul>
<b>Scope 2</b>	In our operations: Includes - electricity	<ul style="list-style-type: none"> <li>• Renewable energy and Power Purchase Agreements (PPAs)</li> <li>• Electricity consumption reduction</li> <li>• Green building design</li> </ul>	<ul style="list-style-type: none"> <li>• At year-end 2021, 96% of our energy was sourced from renewable sources, up from 85% in 2020</li> <li>• Our focus is on reducing consumption and we have an energy intensity target to monitor and track our progress annually</li> <li>• KPIs and reports are accessible by internal stakeholders to promote visual performance for all sites</li> <li>• Mandatory energy savings projects have been identified to progress towards energy conservation and efficiency</li> </ul>
<b>Scope 3</b>	In our value chain: Includes - transportation of goods, travel and commuting, raw materials	<ul style="list-style-type: none"> <li>• Shipping lane optimization</li> <li>• Intercompany transportation</li> <li>• Supplier's energy and emissions</li> <li>• Reductions from raw materials</li> </ul>	<ul style="list-style-type: none"> <li>• We have a conversion plan to increase recycled content and recyclability of our products, which outlines how progress can be made in this area</li> <li>• We are relying heavily on the conversion of conventional resin to make progress on our raw materials emissions Our team is working toward finding approved resins for all product applications, as there is a lack of food-grade resins or resins that have received an FDA letter of non-objection for the intended use</li> <li>• We have implemented a supplier screening program and are working diligently with suppliers to understand where additional progress can be made</li> </ul>

We invite you to learn more about our efforts within our [2021 Corporate Sustainability Report](#).

## Collaboration is Essential to Reaching Our Climate Goals

Our journey towards climate action requires intense and deliberate collaborations -- across sectors and industries. As system thinkers and change-makers, Aptar is committed to working alongside, and often leading, others on identifying solutions, processes and products that enable us all to move forward together. Please note that the list below is not inclusive of all memberships, partnerships, or commitments Aptar is aligned to. A more inclusive list is provided within our sustainability report.



Aptar is an active member of the Ellen MacArthur Foundation's New Plastics Economy Global Commitment. The Global Commitment brings together organizations behind a common vision and targets to address plastic waste and pollution at the source. Aptar shared our product related targets in 2019 and annually reports our progress to The Foundation.



WBCSD is a global organization of almost 200 businesses working together to accelerate the transition to a sustainable world. Through our membership we are active participants and collaborators on workstreams related to climate action, the circular economy and other important sustainability topics.



Aptar is supporting the transition to a low-carbon economy. In addition to climate topics, In 2021, Aptar collaborated with the Science Based Target Network to establish initial guidance on science-based targets (SBTs) for nature, as a first step toward integrated SBTs for all aspects of nature: biodiversity, climate, freshwater, land and ocean.



We welcome comments and feedback from all stakeholders on our plans and actions related to reducing emissions. Click [here](#) to access the survey.