

# PRINCIPLES FOR PUBLIC POLICY FOR SUSTAINABILITY



LyondellBasell's global "Principles for Public Policy for Sustainability" describe our approach to addressing some of the world's biggest challenges while preserving competitiveness and enhancing the myriad of societal benefits provided by the plastics, chemicals and materials produced by our industry. To be most effective in supporting a transition to a more sustainable world, we believe that public policy must:

- Be based on sound science
- Provide certainty for long-term investment decisions
- Encourage a level, competitive playing field
- Eliminate redundant, overlapping or outdated requirements
- Ensure benefits far outweigh the cost
- Protect jobs

## PRINCIPLES FOR PUBLIC POLICY AT A GLANCE:



### To End Plastic Waste in the Environment we support efforts to:

- Increase the reuse and recycling of plastic waste
- Advance waste management systems, infrastructure and recycling standards
- Better educate consumers about options for post-use plastics
- Better understand the health and environmental impacts of microplastics



### To Advance the Circular Economy we support efforts to:

- Incentivize the introduction of new recycling technologies to complement mechanical recycling
- Encourage the production and adoption of circular products
- Ensure reliable feedstock for use in circular products



### To Address Climate Change we support efforts to:

- Achieve a low-carbon economy
- Reduce emissions in a manner that preserves competition
- Enhance energy efficiency in manufacturing
- Promote a level playing-field for low-carbon liquid fuels



### To Grow Sustainable Solutions we support efforts to:

- Expand tax incentives for research, development and scaling of viable technologies
- Provide adequate funding to public sector research and development programs
- Ensure the availability of third-party financing for research and development efforts
- Establish common definitions for "sustainable products"
- Encourage public / private partnerships



### To Enhance Workplace, Operations and Communities we support efforts to:

- Ensure the safe use of chemicals
- Ensure the availability of feedstock
- Ensure a stable and predictable regulatory framework for our operations
- Promote a diverse, educated and skilled workforce

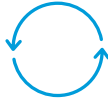


## ENDING PLASTIC WASTE IN THE ENVIRONMENT

We believe that ending plastic waste in the environment is a critical issue of our time. We are committed to helping eliminate plastic waste and are engaged in collaborative efforts across the value-chain to direct action where it is needed most.

LyondellBasell supports efforts to:

- Increase the reuse and recycling of plastic waste:** LyondellBasell supports industry commitments to ensure 100 percent of plastic packaging worldwide is reused, recycled and / or recovered by 2040.
- Advance waste management systems, infrastructure and recycling standards:** LyondellBasell supports policy efforts designed to further develop and integrate global and local waste management systems and infrastructure. We support the harmonization of disparate local recycling standards, definitions, procedures and processes into simpler, more streamlined national and international recycling frameworks.
- Better educate consumers about options for post-use plastics:** LyondellBasell supports policies that support efforts to reduce plastic waste and litter by enhancing consumers' understanding of responsible disposal options.
- Better understand the health and environmental impacts of microplastics:** While recent scientific studies indicate that microplastics do not present a threat to health, LyondellBasell supports further study and evaluation of the various sources and effects of microplastics.



## ADVANCING THE CIRCULAR ECONOMY

We believe that transitioning to a circular economy will reduce resource use and enable a more sustainable future. We are advancing technologies and innovations that will help conserve finite resources and retain their value for as long as possible.

LyondellBasell supports efforts to:

- Incentivize the introduction of new recycling technologies to complement mechanical recycling:** LyondellBasell supports policies and incentives of new recycling technologies that enable further circularity of products and plastic waste.
- Encourage the production and adoption of circular products:** LyondellBasell supports a variety of efforts to further incentivize and provide preferred status for circular products. We support policies that establish standards for the use of recycled plastic in products; regionally appropriate efforts to reduce the amount of plastic disposed of in landfills; and, requirements for plastic producers, brand owners and retailers to contribute toward the cost of recycling infrastructure and education (EPR).
- Ensure reliable feedstock for use in circular products:** LyondellBasell supports policy efforts that enhance the ability to reliably access high-quality post-consumer and post-industrial plastic waste, as well as renewable resources, that can be reprocessed into feedstock for circular products.



## ADDRESSING CLIMATE CHANGE

We believe that climate change is one of the most important global challenges both now and for future generations. We support the ambitions of the Paris Agreement and are reducing greenhouse gas emissions intensity from our operations to deliver solutions that help advance a low-carbon economy.

LyondellBasell supports efforts to:

- Achieve a low-carbon economy:** LyondellBasell supports policies that acknowledge the important role plastics play in reducing greenhouse gas emissions across the global economy. We support efforts that encourage the uptake of products (i.e. packaging, automotive, building materials) that more effectively enable society to reduce net emissions over their lifecycle.
- Reduce emissions from manufacturing in a manner that preserves competition:** LyondellBasell supports a market-based approach to reducing carbon emissions in an effective, administratively feasible manner while preserving the competitiveness of energy-intensive industries. To be most effective, we believe this approach can neither mandate a particular technology nor discriminate against a particular country, sector of the economy or industry.
- Enhance energy efficiency in manufacturing:** LyondellBasell supports policy efforts that incentivize companies to reduce emissions and energy consumption through upgrades to manufacturing facilities. We support incentives to increase the use of renewable energy in manufacturing as a strategy to partially offset the need for fossil fuels.
- Promote a level-playing field for low-carbon liquid fuels:** LyondellBasell supports policies that recognize the role of oxyfuels in improving air quality and reducing CO2 emissions. We believe policy frameworks should ensure a level playing-field with competing fuel components.



## GROWING SUSTAINABLE SOLUTIONS

We believe growing our portfolio of sustainable solutions will help address society's most pressing challenges. By doing so, we will continue to reliably produce products and offer solutions that are critical to improving the quality of life for billions around the world.

LyondellBasell supports efforts to:

- Expand tax incentives for research, development, and scaling of viable technologies:** LyondellBasell supports the expansion of targeted tax incentives designed to encourage the rapid expansion of research and development in next generation mechanical and new chemical recycling technologies, as well as the development of alternative feedstocks from renewable sources. Once a technology is proven, we support policies that promote the availability and effective implementation at scale.
- Provide adequate funding to public sector research and development programs:** LyondellBasell supports fully funding government research programs designed to advance next generation chemical recycling technologies. In addition, we support additional funding earmarked specifically for university-level research and development programs.
- Ensure the availability of third-party financing for research and development efforts:** LyondellBasell supports efforts to provide low-interest, third-party financing to entities conducting research and development in the areas of mechanical and chemical recycling.
- Establish common definitions for "sustainable products":** LyondellBasell supports the development of common definitions of product sustainability. We believe these definitions must consider the holistic environmental impact of such products.
- Encourage public / private partnerships:** LyondellBasell strongly believes in what we call the "power of many." We support policies and programs that encourage and support the development of public / private partnerships designed to accelerate development of integrated waste management and recycling systems.



## ENHANCE WORKPLACE, OPERATIONS & COMMUNITIES

We believe the health and safety of our people and the communities where we operate are our highest priorities. We are committed to operating our company sustainably to deliver industry-leading performance, and enhancing our people and communities through the power of many.

LyondellBasell supports efforts to:

- Ensure the safe use of chemicals:** LyondellBasell supports policy frameworks that promote the safe use and management of chemicals throughout their lifecycle.
- Ensure the availability of feedstock:** LyondellBasell supports policies that continue to ensure a reliable supply of low-cost feedstock. To do so, sound energy policy should include resource access provisions, effective but streamlined permitting processes to ensure adequate infrastructure development, and science-based environmental protections.
- Ensure a stable and predictable regulatory framework for our operations:** LyondellBasell supports regulations that improve the safety of chemical and manufacturing facilities and provide long-term certainty for investment decisions. New regulations or changes to existing regulation must be based on science, balanced, non-repetitive and have benefits that exceed their cost.
- Promote a diverse, educated and skilled workforce:** LyondellBasell supports a variety of policies designed to ensure a well-prepared 21st century workforce. We support efforts to enhance and expand Science Technology Engineering Math (STEM) education programs, particularly among underserved and minority communities; policies that expand the availability of quality technical training programs for students seeking careers that meet industry labor needs.