

Micron's environmental goals and aspirations

In 2020, Micron set ambitious long-term goals for energy, emissions, water and waste. As our programs evolve, we revisit these goals to drive greater performance and address the expectations of our stakeholders.

Early in calendar year 2022 (CY22), we expanded our ambitions, setting new goals for our climate initiatives. We are working toward targets to reach

net zero GHG emissions in our operations (scope 1) and purchased energy (scope 2) by 2050. As part of these commitments, we are targeting a milestone — a 42% absolute reduction compared to a CY20 baseline — to achieve 2030 scope 1 emission reductions that support the objectives of the [Paris Agreement](#). These goals complement our target to achieve 100% renewable energy for purchased electricity in our existing U.S. operations by the end of 2025.

We continue to invest in programs to advance our environmental initiatives. Specialized Micron teams are working on solutions to accelerate renewable electricity use, increase energy efficiency and pursue environmental innovations such as addressing heat transfer fluids and fluorinated GHGs to help reach our goals.

Pillar	Goal	Aspiration	Actions	CY23 performance ¹
Emissions	42% absolute reduction in scope 1 emissions by CY30 from the CY20 baseline	Net zero scope 1 and 2 emissions by CY50	<p>Reducing direct emissions through actions including upgrading and optimizing process equipment, converting to hot deionized water, and transitioning to lower-emitting heat transfer fluids</p> <p>Reducing indirect emissions through designing energy-efficient facilities and smart-controlled systems and transitioning to renewable electricity where available</p>	11% decrease in absolute scope 1 emissions in CY23 compared to CY20
Energy	<p>100% renewable electricity in the U.S. by the end of CY25</p> <p>100% renewable electricity in Malaysia (ongoing)</p>	100% renewable energy globally, where available	Procuring renewable energy opportunities in multiple operating locations	<p>100% renewable electricity in Malaysia</p> <p>Three new contracts sufficient to cover estimated electricity needs in the U.S. secured as of the end of CY25</p>
Water	75% water conservation through reuse, recycling and restoration in CY30	100% water conservation through reuse, recycling and restoration	Implementing new reclamation technologies, completing a new water restoration project in Japan and continuing the pilot with a venture startup	66% water conservation through reuse, recycling and restoration
Waste	95% reuse, recycling and recovery, and zero hazardous waste to landfill in CY30 ²	Zero waste to landfill through waste minimization, reuse, recycling and recovery	Minimizing waste generation, improving waste stream segregation, enhancing waste recovery systems and engaging with alternate waste disposal vendors	<p>94% reuse, recycle and recovery (including energy recovery)</p> <p>Zero hazardous waste to landfill</p>

Our environmental goals

Water

75%

water conservation through reuse, recycling and restoration in CY30

Energy

100%

renewable electricity in the U.S. by the end of CY25; renewable electricity in Malaysia (ongoing)

Emissions

42%

absolute reduction in scope 1 emissions by CY30 from CY20 baseline

Waste

95%

reuse, recycling and recovery, and zero hazardous waste to landfill in CY30, subject to vendor availability

Net zero

scope 1 and 2 emissions by CY50



¹ Micron's environmental performance is measured by calendar year. Environmental goals are targeted for the end of the referenced calendar year.
² Subject to vendor availability