

Climate change is accelerating

10B

Earth's population by 2050

80%

Increase in energy use by 2050

Sources: population data - United Nations, 2021; energy increase metric - US Energy Information Administration, 2020

5G helps enable a more sustainable future



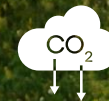
Improves water
management



Creates
green jobs



Reduces
pesticide use



Reduces
emissions



Optimizes
energy usage



Designed for forward
compatibility



5G and GHG emission reductions

370M+

Metric tons of greenhouse gas
emissions avoided in 2025

Source: Independent analysis based on data published by GSMA, "The Enablement Effect The Impact of Mobile Communications Technologies on Carbon Emission Reductions," 2019





5G and
**Household
water
management**

410B

Gallons of water saved annually in U.S.
with 5G-enabled smart water systems

Source: Independent analysis based on data published by GSMA, "Smart Water: A Guide to Ensuring a Successful Mobile IoT Deployment," 2018

5G and

Pesticide use reductions

50%

Less pesticide applied through use of connected drones and remote sensing, spraying applications

Source: Accenture, "The Impact of 5G on the European Economy," 2021





5G and

Energy use optimization

12%

Reduction in gas and electricity consumption through next-gen smart energy grids enabled by 5G

Source: O2, "The Value of 5G for Cities and Communities," 2018

5G and More efficient transportation

Up to

20%

Fuel savings through lane and
traffic management systems
enabled by C-V2X

Source: Shailesh Patil, "Realizing the Potential Benefits of 5G NR C-V2X," 2019





5G and

More energy-efficient networks

Beamforming

Device-to-device communication

Mobile infrastructure sharing

Energy harvesting

Ultra-Dense networks

Multi-User MIMO

The future of AI is on-device



Doing
our part

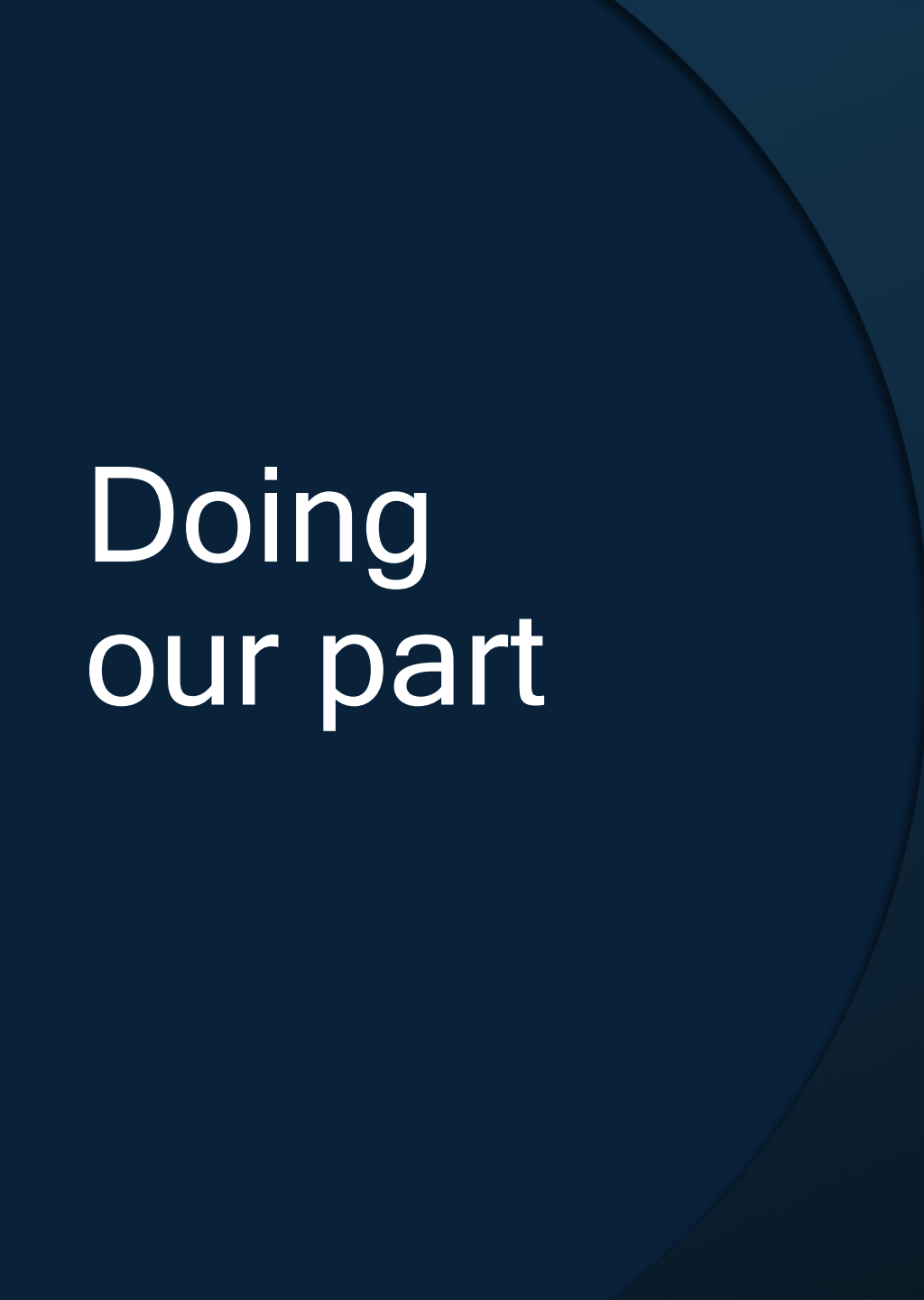
Goal of

Net Zero

Global GHG emissions for Scopes
1, 2, & 3 by 2040

28%

Reduction of Scope 1 & 2 greenhouse
gas emissions since 2014



Doing our part

Goal of

10%

Annual reduction in power consumption of
flagship Snapdragon products

At least

20%

Year over year reduction of power
consumption in our flagship
Snapdragon Mobile Platform when
averaged across all use cases last
year

The time to act is
now

Thank you

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