

Environment

2020 Progress Report (PDF)



A planet-size plan.

Completely recycled. Every bit as advanced.

We're committed to one day sourcing 100% recycled and renewable materials across all of our products and packaging. Because making doesn't have to mean taking from the planet.

[+ More about sourcing](#)

Inside an iPhone lives a new iPhone.

This is Daisy. One of the robots we built to
recover useful materials from our devices
and give them a second life.

 [More about recovery](#)

Clean energy, in

Clean energy is no longer optional.

Our products will be made entirely with clean energy by 2030. That means transitioning hundreds of our manufacturing suppliers to 100% renewable sources of electricity.

[+ More about manufacturing](#)



Officially in the green.

Apple's stores, offices, and data centers are powered by 100% renewable electricity. Now all of our operations, from commute to business travel, are carbon neutral too.



More about operations

We're investing in some wild ideas.

As we reduce emissions to as low as we can, we invest in Earth's natural carbon removers like forests, wetlands, and grasslands to capture what's left.

[+ More about carbon removal](#)

An Apple-protected forest in the northeastern United States

"To protect the planet, we must show others that impossible can be business as usual."

Lisa Jackson, Vice President,
Environment, Policy and Social Initiatives

Trade it in. Help the planet out.

With Apple Trade In, you can exchange your old device for credit toward your next purchase, or get an Apple Store Gift Card you can use anytime. If eligible, your device can have a second life with another owner. If not, we'll recycle it free of charge. A win-win for you and the planet.⁴

[Learn more >](#)

More from Apple on the environment.



Apple's Cork campus celebrates 40 years of community and looks to the future

November 17, 2020



Apple expands renewable energy footprint in Europe

September 3, 2020



Your product's environmental report card.

Each device is measured by its impact on our carbon footprint and how environmentally friendly — and safe — its materials are.

iPhone	iPad	Apple Watch	Notebooks	Desktops	Displays	HomePod	A
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iPhone 12 Pro Max

[View \(PDF\)](#)

iPhone 11

[View \(PDF\)](#)

iPhone 12 Pro

[View \(PDF\)](#)

iPhone SE (2nd generation)

[View \(PDF\)](#)

iPhone 12

[View \(PDF\)](#)

iPhone Xr

[View \(PDF\)](#)

iPhone 12 mini

[View \(PDF\)](#)

[View previous reports](#) ▾

2020 Progress Report

In our current report, you'll find more detailed information about our efforts, how we measure our overall effect on the environment, and the progress we've made over the past year.

[View the 2020 Environmental Progress Report \(PDF\)](#)

[View previous reports](#) ▾

Additional Reports and Resources

Circular Economy

Our aim is to make products using only renewable resources or recycled material — so we prioritize, responsibly source, and recover materials.

[Learn how we prioritize materials with our Material Impact Profiles \(PDF\)](#)

[Read our white paper on Apple's Paper and Packaging Strategy \(PDF\)](#)

[Read our Sustainable Fiber Specification \(PDF\)](#)

[Read about our first product disassembly robot, Liam \(PDF\)](#)

[Learn how to trade in or recycle your device >](#)

Climate Change

Climate change is a defining issue of our time. Our goal is for Apple and all of our products to be carbon neutral by 2030. Below are detailed updates on our progress.

[Read about how our suppliers are transitioning to clean energy \(PDF\)](#)

[Apple received an A rating for its efforts from CDP Climate Change in 2020 \(PDF\)](#)

Frequently Asked Questions

Find out the answers to common questions about Apple and the environment.

[Read the FAQs >](#)

Smarter Chemistry

Apple has a rigorous program to ensure the safety of chemicals used in our products. Learn about Apple's strict standards, diligent toxicological assessments, and methodology for assessing chemicals of concern.

[Read the Regulated Substances Specification \(PDF\)](#)

[Read our white paper on Integrating Toxicological Assessments in Material Selection for Apple Products \(PDF\)](#)

[Read our Protocol for Prioritizing Chemicals of Concern in the Electronics Industry \(PDF\)](#)

Supplier Responsibility

We hold ourselves and our suppliers to the highest standards for labor and human rights protections, health and safety in the workplace, environmental practices, and the responsible sourcing of materials.

[Visit the Supplier Responsibility site >](#)

1. Energy consumption and energy efficiency values are based on the ENERGY STAR Program Requirements for Computers.
2. Responsible sourcing of wood fiber is defined in Apple's Sustainable Fiber Specification. We consider wood fibers to include bamboo.
3. The Taptic Engine represents about 24% of the total rare earth elements used in the product.
4. Trade-in values vary based on the condition, year, and configuration of your trade-in device, and may also vary between online and in-store trade-in. You must be at least 18 years old. Apple or its trade-in partners reserve the right to refuse or limit any trade-in transaction for any reason. In-store trade-in requires presentation of a valid, government-issued photo ID (local law may require saving this information). Additional terms from Apple or Apple's trade-in partners may apply.
5. Supplier facilities are certified by UL under their 2799 Zero Waste to Landfill standard.

Shop and Learn

Mac
iPad
iPhone
Watch
TV
Music
AirPods
HomePod
iPod touch
Accessories
Gift Cards

Services

Apple Music
Apple TV+
Apple Fitness+
Apple News+
Apple Arcade
iCloud
Apple One
Apple Card
Apple Books
App Store

Account

Manage Your Apple ID
Apple Store Account
iCloud.com

Apple Store

Find a Store
Shop Online
Genius Bar
Today at Apple
Apple Camp
Apple Store App
Refurbished and Clearance
Financing
Apple Trade In
Order Status
Shopping Help

For Business

Apple and Business
Shop for Business

For Education

Apple and Education
Shop for K-12
Shop for College

For Healthcare

Apple in Healthcare
Health on Apple Watch
Health Records on iPhone

For Government

Shop for Government
Shop for Veterans and Military

Apple Values

Accessibility
Education
Environment
Inclusion and Diversity
Privacy
Supplier Responsibility

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