



# Product Environmental Report

i o n 14 o

D e i n o d u c d  
S y e m b 7 2 22

## Made with better materials

**100%** **100%**

e c e d g o d i n e e c e d e e  
w i l o f c r a e e r a n i n m g a

## Energy efficient

**54%**

e e a g c o n u r a d n e U.S.  
D s r a n o f E a g e q u i r a n f o  
b e c g e m

## Responsible packaging

**100%** **95%**

o f e w o o d f i b  
c o m f o m e c e d  
n d e o n i l a  
o u c

o f e s c k g i n g i  
f i b - b e d d u o  
o u w o k o u e  
s i c i n s c k g i n g

## Tackling climate change

**100%**

W e c o m m i t t o n i o n i n g o u r n e  
m n u f c u i n g u s c i n o 1 e c n  
e n w b e e c i c i b 2 3 .

## Smarter chemistry

- n i c - f e d j g
- c u - f e
- o m i n e d f r a e d n - f e
- C - f e
- i u m - f e



## Apple Trade In

R u n o u d i c o u g  
— s e - d I n n d w ' g i i  
n w i f o e c e i f o f e .

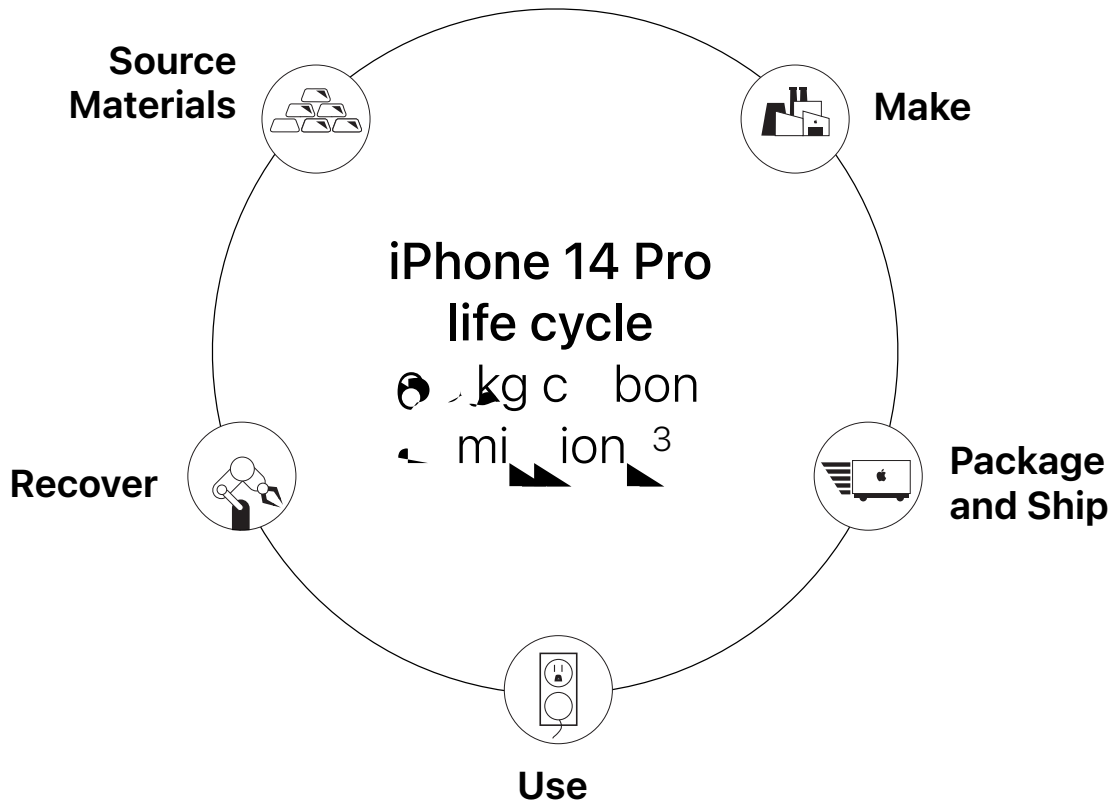
**100% recycled gold in the wire of all cameras  
and in the plating of multiple printed circuit boards**



# Taking responsibility for our products at every stage

We take responsibility for our products throughout their lifecycle—including the materials we use, the way we make them, how we package and ship them, and how we focus on reducing our impact on the environment throughout their life.

**We sell millions of products. So making even small adjustments can have a meaningful impact.**



## Carbon footprint

We continue to work on reducing our carbon footprint by focusing on making our products more efficient, using materials that are more sustainable, and using renewable energy. We are also working to reduce our carbon footprint by using more sustainable packaging and shipping methods. We are committed to reducing our carbon footprint and will continue to work on this throughout the life cycle of our products.

## iPhone 14 Pro life cycle carbon emissions

- 81 Production
- 3 Distribution
- 1 Use
- 1 End-of-life recycling



# Source Materials

We will of course be mindful of the environmental impact of our products.

Our products are made from a variety of materials, some of which are rare earth elements. We are committed to responsible sourcing of these materials. We work with suppliers to ensure that the materials used in our products are sourced from responsible sources. We are also committed to reducing our carbon footprint and to using renewable energy wherever possible.



## Rare earth elements

We use 1% of the world's supply of rare earth elements in our products. We are committed to responsible sourcing of these materials and to reducing our carbon footprint.



## Tungsten

We use 1% of the world's supply of tungsten in our products. We are committed to responsible sourcing of these materials and to reducing our carbon footprint.



## Tin

We use 1% of the world's supply of tin in our products. We are committed to responsible sourcing of these materials and to reducing our carbon footprint.



## Plastic

We use 1% of the world's supply of plastic in our products. We are committed to responsible sourcing of these materials and to reducing our carbon footprint.



## Gold

We use 1% of the world's supply of gold in our products. We are committed to responsible sourcing of these materials and to reducing our carbon footprint.

## Smarter chemistry

In 2014, we introduced a new material, a cobalt-free battery. This material is made from a variety of materials, some of which are rare earth elements. We are committed to responsible sourcing of these materials and to reducing our carbon footprint.





# Make

Apple's Supplier Code of Conduct is designed to ensure the production of our products in a way that respects the environment. It is a key part of our commitment to responsible manufacturing and is based on the United Nations Global Compact.

Working with our suppliers to reduce the environmental impact of our products is a key part of our commitment to responsible manufacturing. This includes working with our suppliers to reduce greenhouse gas emissions, improve energy efficiency, and reduce waste. We also work with our suppliers to ensure that they are using responsible sourcing practices, such as avoiding conflict minerals and using sustainable materials.

## Greener chemicals

Apple is committed to reducing the use of hazardous chemicals in our products. We have implemented a number of measures to reduce the use of hazardous chemicals, including:
 

- Using safer alternatives to hazardous chemicals.
- Reducing the amount of hazardous chemicals used.
- Improving the efficiency of our manufacturing processes.
- Working with our suppliers to reduce the use of hazardous chemicals.

 For more information, see our GreenScreen® report.

## Zero Waste to Landfill

Apple is committed to achieving zero waste to landfill. We have implemented a number of measures to reduce waste, including:
 

- Recycling materials used in our products.
- Reducing the amount of waste generated.
- Improving the efficiency of our manufacturing processes.
- Working with our suppliers to reduce waste.

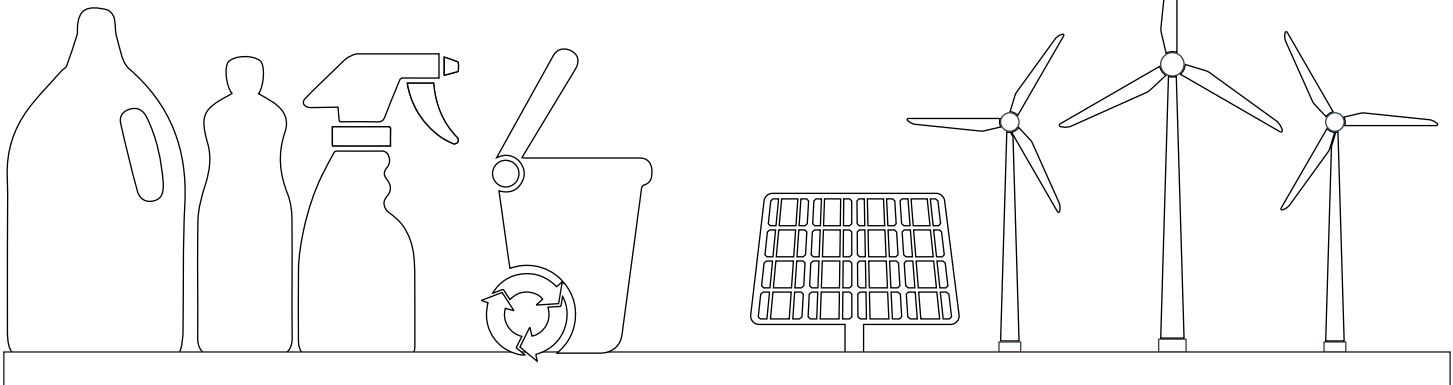
 For more information, see our Waste to Landfill report.

## Supplier energy use

Apple is committed to reducing the energy use of our suppliers. We have implemented a number of measures to reduce energy use, including:
 

- Working with our suppliers to improve energy efficiency.
- Reducing the amount of energy used.
- Improving the efficiency of our manufacturing processes.
- Working with our suppliers to use renewable energy.

 For more information, see our Supplier Energy Use report.





# Package and Ship

iPhone 14 packaging does not use any plastic wrap. The iPhone 14 packaging is made from 100% recycled cardboard and is made from 100% recycled cardboard.

Apple's iPhone 14 packaging is made from 100% recycled cardboard and is made from 100% recycled cardboard. The iPhone 14 packaging is made from 100% recycled cardboard and is made from 100% recycled cardboard.

**95%**

of iPhone 14 packaging<sup>12</sup> is made from 100% recycled cardboard and is made from 100% recycled cardboard.

**74%**

of iPhone 14 packaging is made from 100% recycled cardboard and is made from 100% recycled cardboard.

**100%**

of iPhone 14 packaging is made from 100% recycled cardboard and is made from 100% recycled cardboard.





# Use

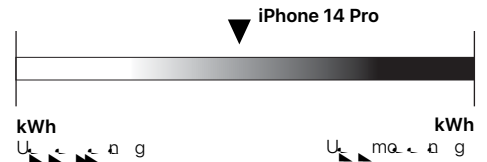
iPhone 14 Pro uses a new design that requires less energy to produce and use.<sup>13</sup>

With its new design, iPhone 14 Pro uses less energy to produce and use. It also uses less energy to power on and use. This means that iPhone 14 Pro is more energy efficient than previous models. The U.S. Department of Energy's Energy Star program has recognized iPhone 14 Pro as a top performer in its category. This is a testament to Apple's commitment to sustainability and energy efficiency.

## Energy efficiency

iPhone 14 Pro is the most energy-efficient smartphone in the world, according to the U.S. Department of Energy's Energy Star program. It uses 18% less energy to power on and use than the next most efficient smartphone.

U.S. Department of Energy standard



## Designed to last

iPhone 14 Pro is designed to last. It has a new design that is more durable than previous models. It also has a new battery that lasts longer. This means that iPhone 14 Pro is built to last and will be a great investment for years to come.

## Made with smarter chemistry

iPhone 14 Pro is made with smarter chemistry. It uses a new type of battery that is more energy-efficient than previous models. It also uses a new type of glass that is more durable than previous models. This means that iPhone 14 Pro is built to last and will be a great investment for years to come.



# Recover

Run our product recovery and innovation program to help you recover your products and reduce their environmental impact.

We're committed to reducing the environmental impact of our products. We've introduced a new product recovery program that allows you to return your old products to us for recycling. This program is designed to help you reduce your carbon footprint and support our commitment to environmental sustainability. We've also introduced a new product recovery program that allows you to return your old products to us for recycling. This program is designed to help you reduce your carbon footprint and support our commitment to environmental sustainability.

## iPhone recycling

With our new iPhone recycling program, you can now recycle your old iPhone. This program is designed to help you reduce your carbon footprint and support our commitment to environmental sustainability. We've also introduced a new product recovery program that allows you to return your old products to us for recycling. This program is designed to help you reduce your carbon footprint and support our commitment to environmental sustainability.

[See Dave in action](#)



# Definitions

**Bio-based plastics:** Bio-based plastics are derived from biological sources, such as corn, sugarcane, and wood. They are often used as alternatives to petroleum-based plastics.

**Carbon footprint:** Carbon footprint is the total amount of greenhouse gases (including carbon dioxide, methane, and nitrous oxide) that are produced through the activities of an individual, organization, or product. It is measured in terms of carbon dioxide equivalents (CO<sub>2</sub>e).

**Production:** Production is the process of creating goods or services. It involves the transformation of raw materials into finished products through various manufacturing processes.

**Transport:** Transport is the movement of goods or people from one location to another. It can be done through various modes of transport, including air, land, and sea.

**Use:** Use refers to the consumption of goods or services by individuals or organizations. It is a key component of the carbon footprint, as it involves the use of energy and resources.

End-of-life processing is the process of managing the disposal of products at the end of their useful life. This can include recycling, incineration, or landfilling.

**End-of-life processing:** End-of-life processing is the process of managing the disposal of products at the end of their useful life. This can include recycling, incineration, or landfilling.

**Recycled materials:** Recycled materials are those that have been processed from waste and are used to create new products. This helps reduce the need for virgin materials and reduces environmental impact.

**Renewable materials:** Renewable materials are those that are derived from natural resources that can be replenished over time. Examples include wood, cotton, and bamboo.

**Supplier Clean Energy Program:** The Supplier Clean Energy Program is a commitment to source clean energy for our operations. This includes using renewable energy sources and reducing our carbon footprint.

# Endnotes

<sup>1</sup> [Apple's Environmental Progress Report 2023](#), [Apple's Environmental Progress Report 2022](#), [Apple's Environmental Progress Report 2021](#), [Apple's Environmental Progress Report 2020](#), [Apple's Environmental Progress Report 2019](#), [Apple's Environmental Progress Report 2018](#), [Apple's Environmental Progress Report 2017](#), [Apple's Environmental Progress Report 2016](#), [Apple's Environmental Progress Report 2015](#), [Apple's Environmental Progress Report 2014](#), [Apple's Environmental Progress Report 2013](#), [Apple's Environmental Progress Report 2012](#), [Apple's Environmental Progress Report 2011](#), [Apple's Environmental Progress Report 2010](#), [Apple's Environmental Progress Report 2009](#), [Apple's Environmental Progress Report 2008](#), [Apple's Environmental Progress Report 2007](#), [Apple's Environmental Progress Report 2006](#), [Apple's Environmental Progress Report 2005](#), [Apple's Environmental Progress Report 2004](#), [Apple's Environmental Progress Report 2003](#), [Apple's Environmental Progress Report 2002](#), [Apple's Environmental Progress Report 2001](#), [Apple's Environmental Progress Report 2000](#).

<sup>2</sup> [Apple's Environmental Progress Report 2023](#), [Apple's Environmental Progress Report 2022](#), [Apple's Environmental Progress Report 2021](#), [Apple's Environmental Progress Report 2020](#), [Apple's Environmental Progress Report 2019](#), [Apple's Environmental Progress Report 2018](#), [Apple's Environmental Progress Report 2017](#), [Apple's Environmental Progress Report 2016](#), [Apple's Environmental Progress Report 2015](#), [Apple's Environmental Progress Report 2014](#), [Apple's Environmental Progress Report 2013](#), [Apple's Environmental Progress Report 2012](#), [Apple's Environmental Progress Report 2011](#), [Apple's Environmental Progress Report 2010](#), [Apple's Environmental Progress Report 2009](#), [Apple's Environmental Progress Report 2008](#), [Apple's Environmental Progress Report 2007](#), [Apple's Environmental Progress Report 2006](#), [Apple's Environmental Progress Report 2005](#), [Apple's Environmental Progress Report 2004](#), [Apple's Environmental Progress Report 2003](#), [Apple's Environmental Progress Report 2002](#), [Apple's Environmental Progress Report 2001](#), [Apple's Environmental Progress Report 2000](#).

<sup>3</sup> [Apple's Environmental Progress Report 2023](#), [Apple's Environmental Progress Report 2022](#), [Apple's Environmental Progress Report 2021](#), [Apple's Environmental Progress Report 2020](#), [Apple's Environmental Progress Report 2019](#), [Apple's Environmental Progress Report 2018](#), [Apple's Environmental Progress Report 2017](#), [Apple's Environmental Progress Report 2016](#), [Apple's Environmental Progress Report 2015](#), [Apple's Environmental Progress Report 2014](#), [Apple's Environmental Progress Report 2013](#), [Apple's Environmental Progress Report 2012](#), [Apple's Environmental Progress Report 2011](#), [Apple's Environmental Progress Report 2010](#), [Apple's Environmental Progress Report 2009](#), [Apple's Environmental Progress Report 2008](#), [Apple's Environmental Progress Report 2007](#), [Apple's Environmental Progress Report 2006](#), [Apple's Environmental Progress Report 2005](#), [Apple's Environmental Progress Report 2004](#), [Apple's Environmental Progress Report 2003](#), [Apple's Environmental Progress Report 2002](#), [Apple's Environmental Progress Report 2001](#), [Apple's Environmental Progress Report 2000](#).

| Carbon footprint |                          |                          |
|------------------|--------------------------|--------------------------|
|                  | iPhone 14 Pro            | iPhone 13 Pro            |
| 128G             | 101 kg CO <sub>2</sub> e | 99 kg CO <sub>2</sub> e  |
| 256G             | 71 kg CO <sub>2</sub> e  | 70 kg CO <sub>2</sub> e  |
| 512G             | 84 kg CO <sub>2</sub> e  | 88 kg CO <sub>2</sub> e  |
| 1TB              | 110 kg CO <sub>2</sub> e | 112 kg CO <sub>2</sub> e |



# Endnotes

- 4i oa 13 o i e s, oduc s e d c o w u d fo com j on e mo e c n e e d nd imi d ic . e s, oduc ion i oa 14 ow i 128G o g w com e d o i s, ingi oa 13 ow i 128G o g configu ion inc e e e wo ow o g configu ion off e d.
- W m s, m e i in ou u s, c in nd, ub i j of id n i f i d in n um ung e n nd god (G) cob nd i ium, r e nd e fia in ou u s, c in. i d s r e n e k o confi m ou cing, c ic nd e s of ou e on i l a ou cing, og m. In ddi ion ou e ffo con id b o d ng of i k, including oci e n i on r e n um n ig nd g e n n e i k.
- E cud e c moun of e e e r e n found ou id of e m ga nd ccounting fo e n .2 e c n of e o found in e d ic .
- 7C mic r e G e n S e e n b n c m k 3 o 4 o o e e qui e n r e o do ogi i k U.S. E S f C oic e con id e d f nd, e f e d fo u . G e n S e e n i com e e n i e d e r e n o o e u e ub n c g in 18 diff e n c i i . o m e info m ion i j [www.g e n e n c e n c e mic . o g](http://www.g e n e n c e n c e mic . o g).
- 8 e b i e d fin e mb u s, i i o o e b e n s e u s, i fo m e n o a e f o i oa 14 o e i d s e i f i d e o W e b U C U 27 2 9 S nd d). U e qui e e e c n d e ion ou g r e od o e n w e q a g o c i e e o W e o nd fi e i e - 0 4 e c n God e e e c n nd inum 1 e c n) d ign ion.
- e d on e i s, ck ging i e d b s e .
- 1 R on i l a ou cing of wood fib i d fia d i n s e ' S u in l a i b S e cific ion. W con id wood fib o incul b mboo.
- 11 o m e info m ion bou ou wok o s, e c nd e e e on i b m n g d fa e e e d ou [En i on r e n o g R s o](http://En i on r e n o g R s o).
- 12 e kdown of U.S. i s, ck ging b w ig . S e c non s ic non-fib m e i e cud d.
- 13 Effi e n e fo m n e i b e d on e U.S. D s r e n of Ea g e d [Ea g Con e ion S nd d fo e C g e e n e ENERGY S R do no c if m s, oa d ic](http://Ea g Con e ion S nd d fo e C g e e n e ENERGY S R do no c if m s, oa d ic).
- Ea g e ff i e n e m e e a g e ff i e n e u e b e d on e fo owing condi ion .
- ow d s e no-o d Condi ion in w ic e s e 2 WUS -C ow d s e wi e US -C o ig ning C l e (m) i con e a d e C s ow bu no con e a d o i oa .
- ow d s e ff i e n e e g of e s e 2 WUS -C ow d s e wi e US -C o ig ning C l e (m) r e u d ff i e n e w e n e d 1 e c n 7 e c n e c n nd 2 e c n of e s, ow d s e e d ou, u cu e n .

| Power consumption for iPhone 14 Pro |      |      |      |
|-------------------------------------|------|------|------|
| Mode                                | 100V | 115V | 230V |
| ow d s e no-o d                     | . 4W | . 4W | . 4W |
| ow d s e ff i e n e                 | 80.8 | 87.9 | 87.8 |

- 14i oa 14 o e e w e nd du e i n nd w e e d und con a d bo o condi ion wi ing of I 8 und IEC nd d e 2 9 m imum d s of r e e u o 3 minu ). S w e nd du e i n e no e m a n condi ion nd e i n e mig d e e u of no m w . Do no e m o c g w i oa e f o e u e guid fo e ning nd d ing in u c ion . iquid d m g no co e d und w n .
- 1 e d -in u e b e d on e condi ion e nd configu ion of ou d -in d ic nd m o b w e n on i a nd in- a d -in. You mu b e 18 e o d. In- a d -in qui e e n ion of id g e n r e n i u d s o o I D o c w m e qui ing i info m ion) ddi ion e m f o m s e e s e e d -in, a m s s .

© 2 2 2 2 Inc. ig e e e d s e e s e o g a s e e W c C mic S i d Hor e od i d i d S i oa e e e c o g o m c S i c Engia S nd w c S e d m k of e s e Inc. e g e e d in e U.S. nd o e coun j nd e gion . i oa 14 o i d m k of e s e Inc. e S e i e ic m k of e s e Inc. e g e e d in e U.S. nd o e coun j nd e gion . I S i d m k o e g e e d d m k of C i co in e U.S. nd o e coun j nd i u e d und ic n e . ENERGY S R nd e ENERGY S R m k e e g e e d d m k o w a d b e U.S. En i on r e n e c i o n g n e . e s oduc nd com n n r e n i o n a d e e in m b d m k of e i e e c k com s ai .