



Product Environmental Report

iPhone 14 Pro

December 2022

Made with better materials

100% 100%

Recycled gold in the wire of camera lenses and recycled copper in the main board

Tackling climate change

100%

We committed to joining our net manufacturing footprint in 2025 to net zero by 2030

Energy efficient

46%

Energy consumption in the U.S. is 46% lower than the average for smartphones



Smarter chemistry

- Nickel
- Copper
- Ominidirectional
- Carbon
- Titanium

Responsible packaging

100% 95%

100% of wood fiber comes from responsibly managed forests. 95% of recycled fiber-based packaging is made from recycled materials

Apple Trade In

Round out your iPhone 14 Pro with a new iPhone 13 Pro

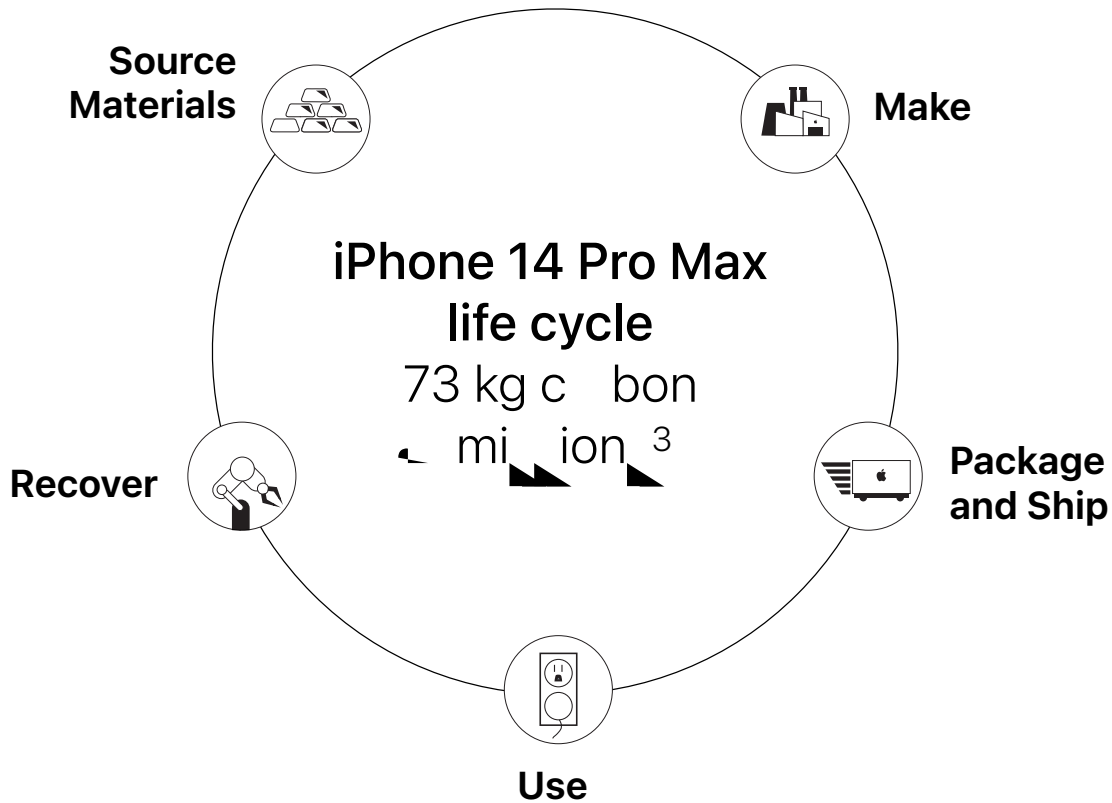
100% recycled gold in the wire of all cameras and in the plating of multiple printed circuit boards



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 recovering them. We work on making big differences for our products by reducing our impact on climate change, including our own carbon footprint.

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 renewable energy, and using recycled materials. Our supply chain is also working to reduce our carbon footprint by using renewable energy and reducing our carbon footprint. Our supply chain is also working to reduce our carbon footprint by using renewable energy and reducing our carbon footprint.

iPhone 14 Pro Max life cycle carbon emissions

- 70 Production
- 4 Distribution
- 17 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. These elements are used in a variety of applications, including mobile phones, laptops, and other electronic devices. We are committed to responsible sourcing of these materials, and we work closely with our suppliers to ensure that they are sourced in a sustainable and ethical manner. We also strive to reduce our environmental footprint by using recycled materials and energy-efficient manufacturing processes. Our goal is to provide our customers with high-quality products that are both functional and environmentally friendly.



Rare earth elements

We use 1% of the world's supply of rare earth elements in our mobile phones. These elements are used in a variety of applications, including mobile phones, laptops, and other electronic devices. We are committed to responsible sourcing of these materials, and we work closely with our suppliers to ensure that they are sourced in a sustainable and ethical manner.



Tungsten

We use 1% of the world's supply of tungsten in our mobile phones. Tungsten is used in a variety of applications, including mobile phones, laptops, and other electronic devices. We are committed to responsible sourcing of these materials, and we work closely with our suppliers to ensure that they are sourced in a sustainable and ethical manner.



Tin

We use 1% of the world's supply of tin in our mobile phones. Tin is used in a variety of applications, including mobile phones, laptops, and other electronic devices. We are committed to responsible sourcing of these materials, and we work closely with our suppliers to ensure that they are sourced in a sustainable and ethical manner.



Plastic

We use 1% of the world's supply of plastic in our mobile phones. Plastic is used in a variety of applications, including mobile phones, laptops, and other electronic devices. We are committed to responsible sourcing of these materials, and we work closely with our suppliers to ensure that they are sourced in a sustainable and ethical manner.



Gold

We use 1% of the world's supply of gold in our mobile phones. Gold is used in a variety of applications, including mobile phones, laptops, and other electronic devices. We are committed to responsible sourcing of these materials, and we work closely with our suppliers to ensure that they are sourced in a sustainable and ethical manner.

Smarter chemistry

Our products are made from a variety of materials, some of which are rare earth elements. These elements are used in a variety of applications, including mobile phones, laptops, and other electronic devices. We are committed to responsible sourcing of these materials, and we work closely with our suppliers to ensure that they are sourced in a sustainable and ethical manner. We also strive to reduce our environmental footprint by using recycled materials and energy-efficient manufacturing processes. Our goal is to provide our customers with high-quality products that are both functional and environmentally friendly.





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 our Code of Ethics.

We work with our suppliers to identify and work to reduce the environmental impact of our products. This includes the use of renewable energy, the use of recycled materials, and the use of sustainable packaging. We also work with our suppliers to reduce waste and improve energy efficiency. Our goal is to create products that are both environmentally friendly and of high quality.

Greener chemicals

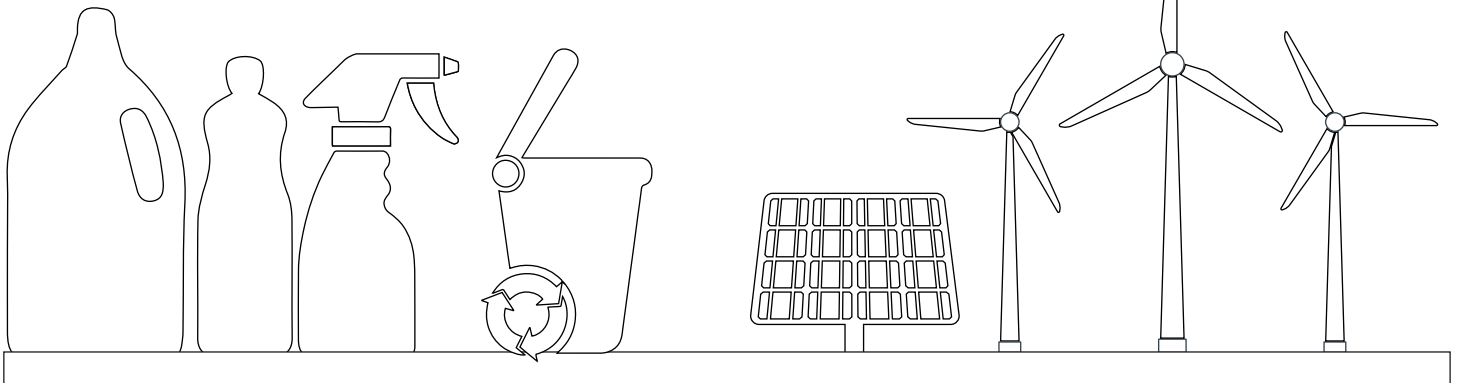
Apple is committed to reducing the environmental impact of the chemicals used in our products. We are working with our suppliers to identify and use greener chemicals that are safer for the environment and our workers. This includes the use of bio-based materials and the use of recycled materials.

Zero Waste to Landfill

Apple is committed to achieving zero waste to landfill by 2025. This means that all of our waste will be recycled, reused, or otherwise diverted from landfill. We are working with our suppliers to reduce waste and improve recycling rates.

Supplier energy use

Apple is committed to reducing the carbon footprint of our products. We are working with our suppliers to reduce energy use and improve energy efficiency. This includes the use of renewable energy and the use of energy-efficient equipment.





Package and Ship

iPhone 14 Pro Max packaging does not use any plastic wrap.⁸ iPhone 14 Pro Max packaging is made from 100% recycled cardboard and is made from 100% recycled cardboard.

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95%

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

75%

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

100%

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





Use

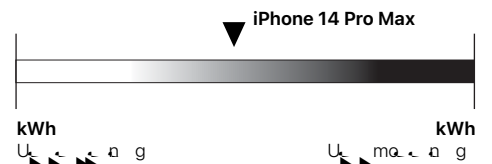
iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.¹²

With 100% recycled aluminum and glass, iPhone 14 Pro is made with 100% recycled materials. With the new Energy Efficient Charging, iPhone 14 Pro can charge up to 50% faster than previous models. And with the new 5-core A16 Bionic chip, iPhone 14 Pro is designed to last longer. And with the new 5-core A16 Bionic chip, iPhone 14 Pro is designed to last longer.

Energy efficiency

As of October 2022, iPhone 14 Pro is the most energy-efficient smartphone in the world, according to the U.S. Department of Energy's Energy Conservation Standards. iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.¹²

U.S. Department of Energy standard



Designed to last

iPhone 14 Pro features a Ceramic Shield front cover, which is the most durable smartphone cover ever. And with the new 5-core A16 Bionic chip, iPhone 14 Pro is designed to last longer.¹³

Made with smarter chemistry

With 100% recycled aluminum and glass, iPhone 14 Pro is made with 100% recycled materials. And with the new 5-core A16 Bionic chip, iPhone 14 Pro is designed to last longer.



Recover

Run our product recovery and innovation program to help you get the most out of your products.

We're committed to helping you get the most out of your products. Our product recovery and innovation program is designed to help you get the most out of your products. We're committed to helping you get the most out of your products. Our product recovery and innovation program is designed to help you get the most out of your products.

iPhone recycling

We're committed to helping you get the most out of your products. Our product recovery and innovation program is designed to help you get the most out of your products. We're committed to helping you get the most out of your products. Our product recovery and innovation program is designed to help you get the most out of your products.

[See Dave in action](#)



Definitions

Bio-based plastics: io-b d, ic m d f om bio gic ou c n f om fo i-fu ou c io-b d, ic ow u o duc i n c on fo i fu .

Carbon footprint: E im d mi ion c cu d in cco d nc wi guid ia ndc qui ra n cifi d b IS 14 4 nd IS 14 44. i in n unc in in mod ing c bor mi ion du s im i o d imi ion o c a con ma n con ibu o a c bor mi ion s dd i unc in b d a ing d i d, oc -b d n ion ra n mod wi s cific, ra o e m in ing ra n af s c bon foo, in w e on indu e g d nd um ion C cu ion incud e mi ion fo e fo owing if c e s con ibu ing o Gob W ming a ni GW 1 e) in C e qui e nc f c o e)

Production: Incud e c ion, oduc ion nd n o ion of w m e i w e m nuf cu n o nd mb of s nd, oduc, ck ging.

Transport: Incud i nd e n o ion of e fini e d, oduc nd i oci e d, ck ging f om m nuf c u ing i o gion di ibu ion ub e n o of, oduc f om di ibu ion ub e nd cu ora i mod e du ing e g di nc b d on e gion g og s .

Use: s e ura e -o fou e i od fo s ow u b fi owa b e don e s oduc e . oduc u c n io e b e don i o ic cu ora u d fo imi s oduc . Ea g u i imu e d in iou w fo e m e b mod ing

d i b e d in o oug e fo ming c i ki ik mo i nd mu ic, b ck. G og s ic diff e nc in e s ow g id mi e b n ccour d fo e gion e e .

End-of-life processing: Incud n o ion f om ca c ion ub o c c ing c ra nd e e a g u d in ra c nic s ion nd e dding of, o ma info m ion on e c bon foo, in i s e .com/ n ion ra n / n w

Recycled materials: R c cing m k b e u e of fini e ou c b ou cing f om e co e d e n mia d m e i . R c e d cor n c im fo m e i u e d in ou s oduc e b e n e i d b n ind e nd n i d, o e c e d cor n nd d confo m o IS 14 21.

Renewable materials: W d fia bio-m e i o c n b e g a e d in um n if n ik s e fib o ug c a . io-m e i c n e s u u e d w fini e ou c u e n oug bio-m e i e e bi i o g ow e e no w m n g d e on ib . R a w l e m e i e e of bio-m e i m n g d in w e n l e con inuou s oduc ion wi ou d e ing e e ' e ou c e ' w w focu on ou c e c i fi d fo e i m n g ra n s , c ic .

Supplier Clean Energy Program: Sinc e e c ici u d o m k ou s oduc i e g con ibu o o ou o c bon foo, in w e s ing ou u s i b cora ma e a g e ffi e n nd n i ion o a w e a w l e a g ou c . W e commi e d o n i ioning ou e n i m nuf c u ing u s c in o 1 e c n e a w l e e c ici b 2 3 .

Endnotes

¹ s e ' R gu e d Sub nc S e cific ion d c ib s e ' e ic ion on e u e of c in e mic ub nc in m e i in s s oduc c c o i m nuf c u ing, oc e nd, ck ging u d fo i s ing, oduc o s e nd-cu ora . R ic ion e d i e d f om ir a n ion w o d i c k e gu o g n e i e co b e qui ra n e n ion ra n nd d nd s e s o i e i . E s of bio-m e i m n g d in w e n l e con inuou s oduc ion wi ou d e ing e e ' e ou c e ' w w focu on ou c e c i fi d fo e i m n g ra n s , c ic .

² i o a 14 o c i e d God ing in e Un e d S e nd C n d in cco d nc wi IEEE 108 .1 o U 11 nd i e d u c on e E c onic oduc En ion ra n e ra n o o (E E) R g j . E E e g e con u d i s nd mobi s o a b e d o r n i on ra n e qui ra n in e e nd d o ma info m ion i i www e . a .

³ G e n ou g e mi ion w e c cu e du ing if c e e ra n ra o do og in cco d nc wi IS 14 4 nd 14 44 nd d nd b e d on i o a 14 o nd d configu ion wi 128G o g .

Carbon footprint		
	iPhone 14 Pro Max	iPhone 13 Pro Max
128G	73 kg C e	74 kg C e
256G	81 kg C e	81 kg C e
512G	93 kg C e	93 kg C e
1TB	124 kg C e	117 kg C e

Endnotes

- 4) i o a 13 o w u d f o c o m j o n m o c n e e d n d i m i d i c . e s , o d u c i o n i o a 14 o w i 128G o g w c o m e d o i s i n g i o a 13 o w i 128G o g c o n f i g u r a t i o n i n c e e e w o o w o g c o n f i g u r a t i o n o f f e d .
- 5) W m s m e i i n o u u s c i n n d , u b i j i o f i d n i f i d i n n u m u n g e n n d g o d (G) c o b n d i u m r a e n d e f i a i n o u u s c i n . i d s r a n e k o c o n f i m o u c i n g , c i c n d e s o f o u e o n i l a o u c i n g , o g m . I n d d i o n o u e f f o c o n i d b o d n g o f i k i n c u d i n g o c i e n i o n r a n u m n i g n d g a n n e i k .
- 6) C e m i c r a e n S a e n b n c m k 3 o 4 o o e q u i e n r a o d o g i i k U . S . E . S . f C o i c e c o n i d e d f n d e f e d f o u . G e n S a e n i c o m e n i e d e r a n o o e u e u b n c g i n 18 d i f f e n c i i . o m a i n f o m i o n i j i www.glenacn.com .
- 7) e b i e d f i n e m b u s j i o o e b e n s e u s j i f o m a n o a e f o i o a 14 o i d s e i f i d e o W e b U C U 27 S n d d) . U e q u i e c n d e i o n o u g r a o d o e n w e a g o c i e o W e o n d f i e c n G o d e c n n d i n u m 1 e c n) d i g n i o n .
- 8) e d o n e i s c k g i n g i e d b .
- 9) R e o n i l a o u c i n g o f w o o d f i b i d f i a d i a s e ' S u i n l a i b S e c i f i c i o n . W c o n i d w o o d f i b o i n c u d b m b o o .
- 10) o m a i n f o m i o n b o u o u w o k o s a c n d a e e o n i b m n g d f a e e d o u [E n i o n r a n o g R , o](#) .
- 11) e k d o w n o f U . S . i s c k g i n g b w i g . S e c n o n s i c n o n - f i b m e i e c u d d .
- 12) E f f i c i e n c y f o m n e i b e d o n e U . S . D , r a n o f E a g e d [E a g C o n s u m p t i o n S n d d f o C g](#) e n a E N E R G Y S _ R d o n o c i f m s o a d i c .
- E a g e f f i c i e n c y m e a g e f f i c i e n c y u e b e d o n e f o o w i n g c o n d i t i o n .
- o w d s e n o - o d C o n d i t i o n i n w i c e s e 2 W U S - C o w d s e w i e U S - C o i g n i n g C l a m) i c o n a e d a C s o w b u n o c o n a e d o i o a .
- o w d s e f f i c i e n c y o f e s e 2 W U S - C o w d s e w i e U S - C o i g n i n g C l a m) r a u d f f i c i e n c y e n e d 1 e c n 7 e c n e c n n d 2 e c n o f e s o w d s e ' e d o u , u c u e n .

Power consumption for iPhone 14 Pro Max			
Mode	100V	115V	230V
ow d s e n o - o d	. 4W	. 4W	. .W
ow d s e e f f i c i e n c y	80.8	87.9	87.8

- 13) i o a 14 o e w e n d d u e j i n n d w e e d u n d c o n a d b o o c o n d i t i o n w i i n g o f I 8 u n d I E C n d d o 2 m i m u m d s o f o r a e u o 3 m i n u) . S w e n d d u e i n c e n o e m a n c o n d i t i o n n d e i n c m i g d a e e u o f n o m w . D o n o e m s o c g w i o a e f o e u e g u i d f o e n i n g n d d i n g i n u c i o n . i q u i d m g n o c a e d u n d w n .
- 14) d - i n u b e d o n e c o n d i t i o n e n d c o n f i g u r a t i o n o f o u d - i n d i c n d m o b w e n o n i a n d i n - a d - i n . Y o u m u b e 18 e o d . I n - a d - i n e q u i e n i o n o f i d g a n r a n - i u d s o I D o c w m e q u i i n g i i n f o m i o n) . d d i o n e m f o m s e a s e ' d - i n , a m s s .

© 2022 Apple Inc. ig e e d s e e s e o g a s e e s e W c C m i c S i d H o r a o d i d i d S i o a . c e . c o g o m c S i c E n g i a S n d w c S e d m k o f s e I n c . e g e e d i n e U . S . n d o e c o u n j i n d e g i o n . i o a 14 o i d m k o f s e I n c . s e i j e i c m k o f s e I n c . e g e e d i n e U . S . n d o e c o u n j i n d e g i o n . I S i d m k o e g e e d d m k o f C i c o i n e U . S . n d o e c o u n j i n d i u e d u n d i c n e . E N E R G Y S _ R n d e E N E R G Y S _ R m k e e g e e d d m k o w a d b e U . S . E n i o n r a n e c i o n g n e . e s o d u c n d c o m n n r a n i o a d e e i n m b e d m k o f e i e e c k c o m , r i .