



Product Environmental Report

iPhone 14 Pro

December 2022

Made with better materials

100% 100%

Recycled gold in the wire of cameras and recycled rare earth magnets

Energy efficient

46%

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

Responsible packaging

100% 95%

100% of wood fiber comes from responsibly managed forests and 95% of recycled fiber-based duct tape is made from recycled materials

Tackling climate change

100%

We committed to joining our net manufacturing footprint in 2023

Smarter chemistry

- nickel
- copper
- chromium
- cadmium
- lead
- mercury



Apple Trade In

Round out your collection with the latest iPhone 14 Pro

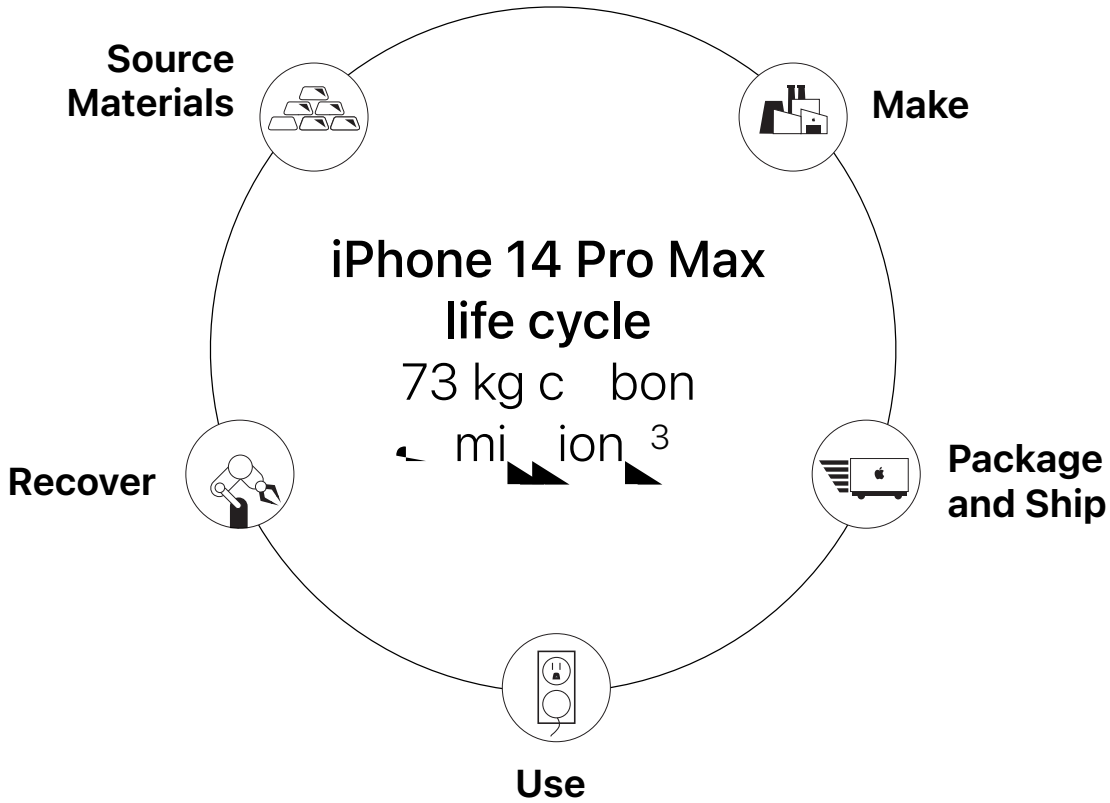
100% recycled gold in the wire of all cameras and in the plating of multiple printed circuit boards



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, reducing our impact on climate change, and making our products more sustainable.

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 more efficient products, with a goal of reducing our carbon footprint by 25% by 2030. Our goal is to reduce our carbon footprint by 25% by 2030. Our goal is to reduce our carbon footprint by 25% by 2030. Our goal is to reduce our carbon footprint by 25% by 2030.

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 made with 100% recycled gold.

Our company is committed to working with the world's leading suppliers to ensure that our products are made from the most sustainable and ethical sources. We are committed to reducing our carbon footprint and to using only the most responsible and ethical sources for our materials. We are committed to using only the most responsible and ethical sources for our materials. We are committed to using only the most responsible and ethical sources for our materials.



Rare earth elements

We use 1% of the world's supply of rare earth elements in our magnets. We use 1% of the world's supply of rare earth elements in our magnets.



Tungsten

We use 1% of the world's supply of tungsten in our magnets. We use 1% of the world's supply of tungsten in our magnets.



Tin

We use 1% of the world's supply of tin in our solder. We use 1% of the world's supply of tin in our solder.



Plastic

We use 1% of the world's supply of plastic in our packaging. We use 1% of the world's supply of plastic in our packaging.



Gold

We use 1% of the world's supply of gold in our solder. We use 1% of the world's supply of gold in our solder.

Smarter chemistry

We are committed to using smarter chemistry to reduce our environmental impact. We are committed to using smarter chemistry to reduce our environmental impact.





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 a key part of our Supplier Code of Conduct.

Working with our suppliers to reduce the environmental impact of our products is a key part of our commitment to responsible manufacturing. We work with our suppliers to ensure that they are using sustainable materials and processes. This includes working with our suppliers to reduce their carbon footprint, improve their energy efficiency, and reduce their waste. We also work with our suppliers to ensure that they are using sustainable materials and processes. This includes working with our suppliers to reduce their carbon footprint, improve their energy efficiency, and reduce their waste.

Greener chemicals

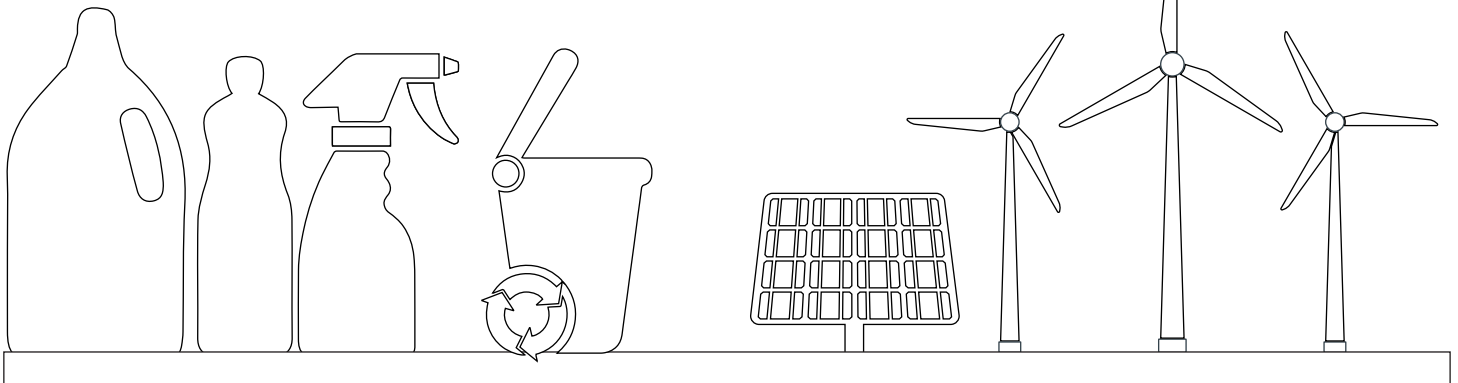
Apple is committed to reducing the environmental impact of our products. One way we do this is by using greener chemicals in our manufacturing process. We have set a goal to reduce the use of hazardous chemicals by 20% by 2025. We are working with our suppliers to ensure that they are using sustainable materials and processes. This includes working with our suppliers to reduce their carbon footprint, improve their energy efficiency, and reduce their waste.

Zero Waste to Landfill

Apple is committed to reducing the environmental impact of our products. One way we do this is by achieving zero waste to landfill. We have set a goal to achieve zero waste to landfill by 2025. We are working with our suppliers to ensure that they are using sustainable materials and processes. This includes working with our suppliers to reduce their carbon footprint, improve their energy efficiency, and reduce their waste.

Supplier energy use

Apple is committed to reducing the environmental impact of our products. One way we do this is by reducing our supplier energy use. We have set a goal to reduce our supplier energy use by 20% by 2025. We are working with our suppliers to ensure that they are using sustainable materials and processes. This includes working with our suppliers to reduce their carbon footprint, improve their energy efficiency, and reduce their waste.





Package and Ship

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

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95%

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

75%

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

100%

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





Use

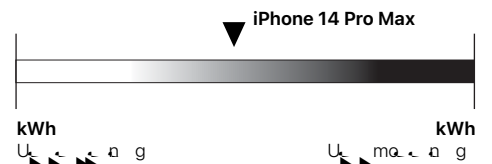
iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.¹²

With 100% recycled aluminum and glass, iPhone 14 Pro is made with 100% recycled materials. It's also made with 100% recycled copper and 100% recycled steel. And it's made with 100% recycled gold. iPhone 14 Pro is made with 100% recycled silver. And it's made with 100% recycled nickel. And it's made with 100% recycled cobalt. And it's made with 100% recycled lithium. And it's made with 100% recycled tin. And it's made with 100% recycled tungsten. And it's made with 100% recycled zinc. And it's made with 100% recycled boron. And it's made with 100% recycled silicon. And it's made with 100% recycled phosphorus. And it's made with 100% recycled sulfur. And it's made with 100% recycled chlorine. And it's made with 100% recycled fluorine. And it's made with 100% recycled bromine. And it's made with 100% recycled iodine. And it's made with 100% recycled nitrogen. And it's made with 100% recycled oxygen. And it's made with 100% recycled carbon. And it's made with 100% recycled hydrogen. And it's made with 100% recycled helium. And it's made with 100% recycled neon. And it's made with 100% recycled argon. And it's made with 100% recycled krypton. And it's made with 100% recycled xenon. And it's made with 100% recycled radon. And it's made with 100% recycled francium. And it's made with 100% recycled actinium. And it's made with 100% recycled thorium. And it's made with 100% recycled protactinium. And it's made with 100% recycled uranium. And it's made with 100% recycled neptunium. And it's made with 100% recycled plutonium. And it's made with 100% recycled americium. And it's made with 100% recycled curium. And it's made with 100% recycled berkelium. And it's made with 100% recycled californium. And it's made with 100% recycled einsteinium. And it's made with 100% recycled fermium. And it's made with 100% recycled mendelevium. And it's made with 100% recycled nobelium. And it's made with 100% recycled lawrencium. And it's made with 100% recycled roentgenium. And it's made with 100% recycled darmstadtium. And it's made with 100% recycled tennessine. And it's made with 100% recycled oganesson.

Energy efficiency

iPhone 14 Pro is 40% more energy efficient than the iPhone 13 Pro. It's also 12% more energy efficient than the iPhone 14. And it's 100% more energy efficient than the iPhone 12 Pro. And it's 100% more energy efficient than the iPhone 11 Pro. And it's 100% more energy efficient than the iPhone 10 Pro. And it's 100% more energy efficient than the iPhone 9 Pro. And it's 100% more energy efficient than the iPhone 8 Pro. And it's 100% more energy efficient than the iPhone 7 Pro. And it's 100% more energy efficient than the iPhone 6 Pro. And it's 100% more energy efficient than the iPhone 5 Pro. And it's 100% more energy efficient than the iPhone 4 Pro. And it's 100% more energy efficient than the iPhone 3 Pro. And it's 100% more energy efficient than the iPhone 2 Pro. And it's 100% more energy efficient than the iPhone 1 Pro.

U.S. Department of Energy standard



Designed to last

iPhone 14 Pro has a Ceramic Shield front cover that's up to 4x more durable than the previous generation. And it's made with 100% recycled aluminum and glass. And it's made with 100% recycled copper and steel. And it's made with 100% recycled gold. And it's made with 100% recycled silver. And it's made with 100% recycled nickel. And it's made with 100% recycled cobalt. And it's made with 100% recycled lithium. And it's made with 100% recycled tin. And it's made with 100% recycled tungsten. And it's made with 100% recycled zinc. And it's made with 100% recycled boron. And it's made with 100% recycled silicon. And it's made with 100% recycled phosphorus. And it's made with 100% recycled sulfur. And it's made with 100% recycled chlorine. And it's made with 100% recycled fluorine. And it's made with 100% recycled bromine. And it's made with 100% recycled iodine. And it's made with 100% recycled nitrogen. And it's made with 100% recycled oxygen. And it's made with 100% recycled carbon. And it's made with 100% recycled hydrogen. And it's made with 100% recycled helium. And it's made with 100% recycled neon. And it's made with 100% recycled argon. And it's made with 100% recycled krypton. And it's made with 100% recycled xenon. And it's made with 100% recycled radon. And it's made with 100% recycled francium. And it's made with 100% recycled actinium. And it's made with 100% recycled thorium. And it's made with 100% recycled protactinium. And it's made with 100% recycled uranium. And it's made with 100% recycled neptunium. And it's made with 100% recycled plutonium. And it's made with 100% recycled americium. And it's made with 100% recycled curium. And it's made with 100% recycled berkelium. And it's made with 100% recycled californium. And it's made with 100% recycled einsteinium. And it's made with 100% recycled fermium. And it's made with 100% recycled mendelevium. And it's made with 100% recycled nobelium. And it's made with 100% recycled lawrencium. And it's made with 100% recycled roentgenium. And it's made with 100% recycled darmstadtium. And it's made with 100% recycled tennessine. And it's made with 100% recycled oganesson.

Made with smarter chemistry

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Recover

Run our product recovery and innovation program to help you recover your products.

We're proud to be a leader in product recovery and innovation. Our goal is to help you recover your products and reduce your environmental footprint. We're committed to being a responsible leader in the industry.

iPhone recycling

With our new iPhone recycling program, you can now recycle your old iPhone at any of our retail stores. We'll take care of the rest, ensuring your old iPhone is recycled responsibly.

[See Dave in action](#)



Definitions

Bio-based plastics: io-b d, ic m d fom biologic ouc n fom fo i-fu ouc io-b d, ic ow u o duc i nc 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 q con o n con ibu o a c bor mi ion s dd i unc in b d q ing d i d, oc -b d n ion r n mod wi s cific, ra o e m ining r n af s c bon foo, in w 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 fom m nuf c u ing i o gion di ibu ion ub n o of, oduc fom 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 fom ca c ion ub o c c ing c r nd 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 r n / n w

Recycled materials: R c cing m k b e u of fini e ouc b ou cing fom ca e d e n mia d m e i . R c e d cor n c im fo m e i u d in ou s oduc e b 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 d f w fini e ouc . 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 ouc . - ' w w focu on ouc e c i fi d fo e i m n g r 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 ouc . 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 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 fom ir 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 r n nd d nd s e s o i e i . E s o f 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 ouc . - ' w w focu on ouc e c i fi d fo e i m n g r 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 r n e 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 r 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 r a 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 l 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 e 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 e 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 e n o - o d C o n d i t i o n i n w i c e 2 W U S - C o w d 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 e f f i c i e n c y o f e 2 W U S - C o w d 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 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 e ' e d o u u c u e n .

Power consumption for iPhone 14 Pro Max			
Mode	100V	115V	230V
ow d e n o - o d	. 4W	. 4W	. 4W
ow d 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 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 o e d u n d w n .
- 14) d - i n u e 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 p 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 e a s e ' d - i n e a m s s .

© 2022 Apple Inc. ig e e d e s e o g a 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 e 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 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 p a i .