



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 frame

Energy efficient

46%

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

Responsible packaging

100% 95%

100% of wood fiber comes from certified sustainable sources

95% of recycled fiber-based duct tape is made from recycled materials

Tackling climate change

100%

We committed to joining our net-zero manufacturing supply chain by 2030

Smarter chemistry

- Nickel
- Copper
- Ominidirectional
- Carbon
- Titanium

Apple Trade In

Round-trip shipping and in-store pickup are free

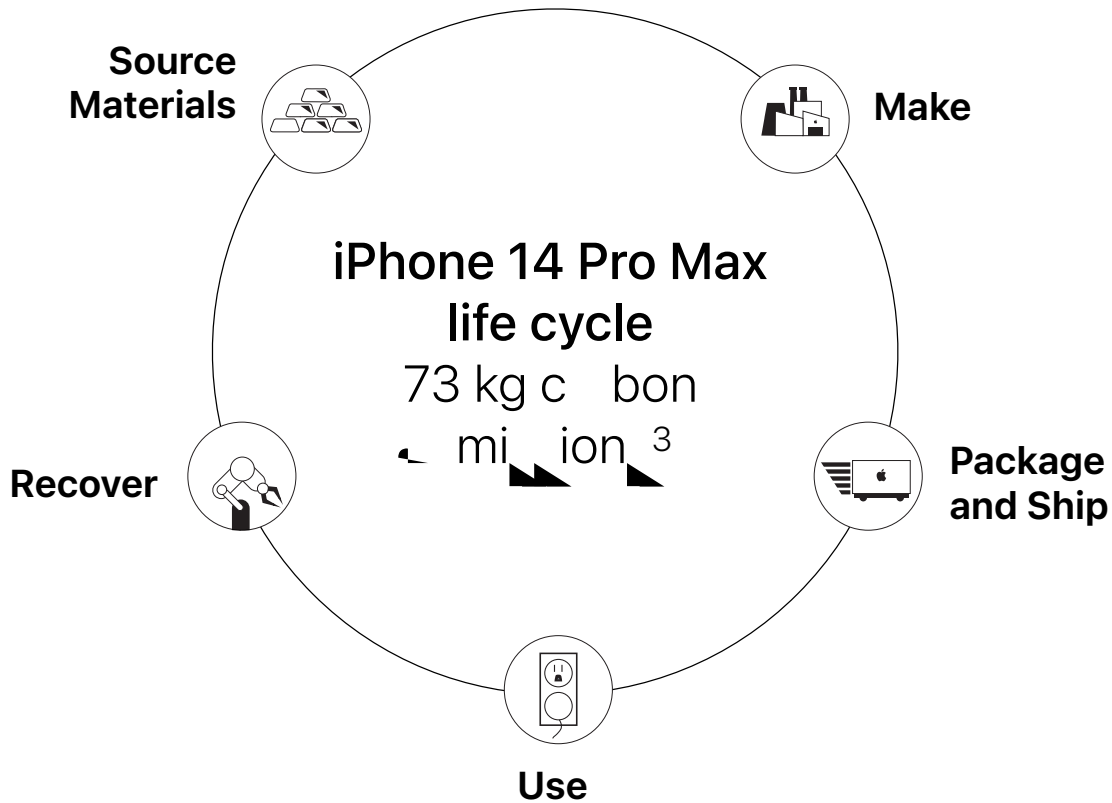
100% recycled gold in the wire of all cameras and in the plating of multiple printed circuit boards



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 our products more efficient, using renewable energy, and working with suppliers to reduce their carbon footprint. Our goal is to reduce our carbon footprint by 25% by 2030. We are committed to reducing our carbon footprint by 25% by 2030. We are committed to reducing 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

The world of consumer electronics is a demanding one.

Our commitment to responsible sourcing is a key part of our product life cycle. We work with leading suppliers to ensure that the materials we use are sourced responsibly. We are committed to transparency in our supply chain, and we will continue to work with our suppliers to improve their practices. We are committed to responsible sourcing, and we will continue to work with our suppliers to improve their practices. We are committed to responsible sourcing, and we will continue to work with our suppliers to improve their practices.



Rare earth elements

We use 1% of the world's rare earth elements in our products. We are committed to responsible sourcing, and we will continue to work with our suppliers to improve their practices.



Tungsten

We use 1% of the world's tungsten in our products. We are committed to responsible sourcing, and we will continue to work with our suppliers to improve their practices.



Tin

We use 1% of the world's tin in our products. We are committed to responsible sourcing, and we will continue to work with our suppliers to improve their practices.



Plastic

We use 1% of the world's plastic in our products. We are committed to responsible sourcing, and we will continue to work with our suppliers to improve their practices.



Gold

We use 1% of the world's gold in our products. We are committed to responsible sourcing, and we will continue to work with our suppliers to improve their practices.

Smarter chemistry

We are committed to responsible sourcing, and we will continue to work with our suppliers to improve their practices. We are committed to responsible sourcing, and we will continue to work with our suppliers to improve their practices.





Make

Apple's Supplier Code of Conduct is designed to ensure the production of our products is done in a way that respects the environment and the well-being of our suppliers' employees and the communities in which they operate.

We work closely with our suppliers to identify and address environmental and social risks and ensure that our products are produced in a way that respects the environment and the well-being of our suppliers' employees and the communities in which they operate. We work closely with our suppliers to identify and address environmental and social risks and ensure that our products are produced in a way that respects the environment and the well-being of our suppliers' employees and the communities in which they operate.

Greener chemicals

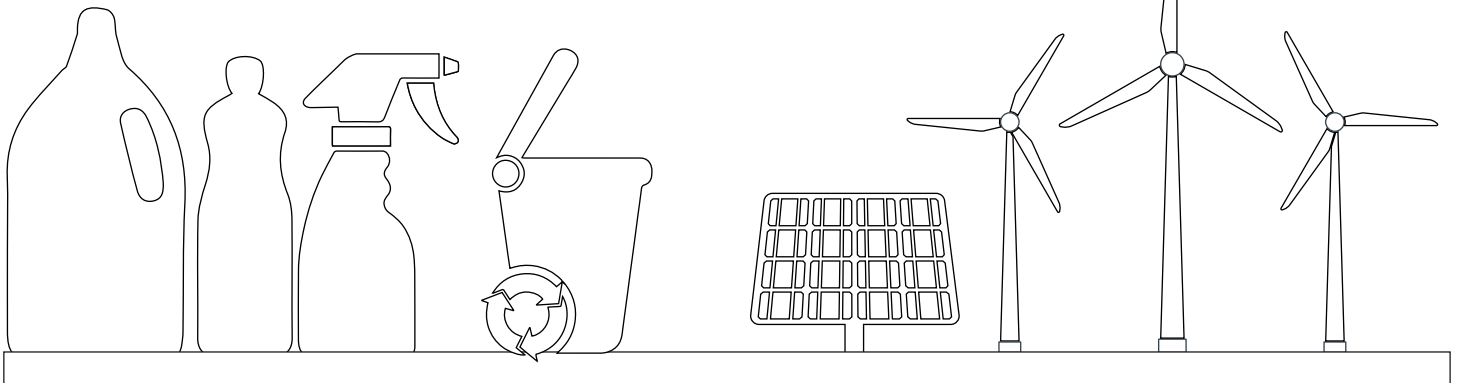
Apple's Supplier Code of Conduct requires suppliers to use safer chemicals and processes in their manufacturing operations. Apple is committed to reducing the use of hazardous substances and promoting the use of safer alternatives.

Zero Waste to Landfill

Apple's Supplier Code of Conduct requires suppliers to reduce waste and ensure that all waste is properly managed and recycled. Apple is committed to reducing the amount of waste sent to landfills and promoting the use of recycled materials.

Supplier energy use

Apple's Supplier Code of Conduct requires suppliers to reduce their energy consumption and use renewable energy sources. Apple is committed to reducing the carbon footprint of our products and promoting the use of renewable energy.





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.

Apple is committed to reducing the environmental impact of its products. The 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.

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

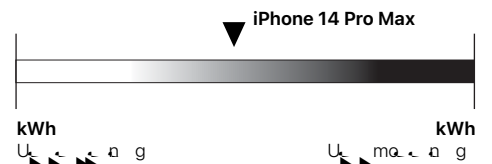
iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.¹²

With 100% recycled aluminum and glass, iPhone 14 Pro is made with 100% recycled materials. 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 that's up to 90% more durable than previous iPhone models. 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 recover your products.

We're looking for ways to help you recover your products. We're looking for ways to help you recover your products. We're looking for ways to help you recover your products. We're looking for ways to help you recover your products.

iPhone recycling

We're looking for ways to help you recover your products. We're looking for ways to help you recover your products. We're looking for ways to help you recover your products. We're looking for ways to help you recover 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 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 f om m nuf c u ing i o gion di ibu ion ub 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 r 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/nionra/n/w](https://www.com/nionra/n/w)

Recycled materials: R c cing m k b e u 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 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 d f 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 . - ' w w focu on ou c 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 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 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 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 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 . - ' w w focu on ou c 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.d .

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 c 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 a 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 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 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 . 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 .