



# 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

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
- carbon
- lead

## Apple Trade In

Round-trip shipping and in-store pickup are free

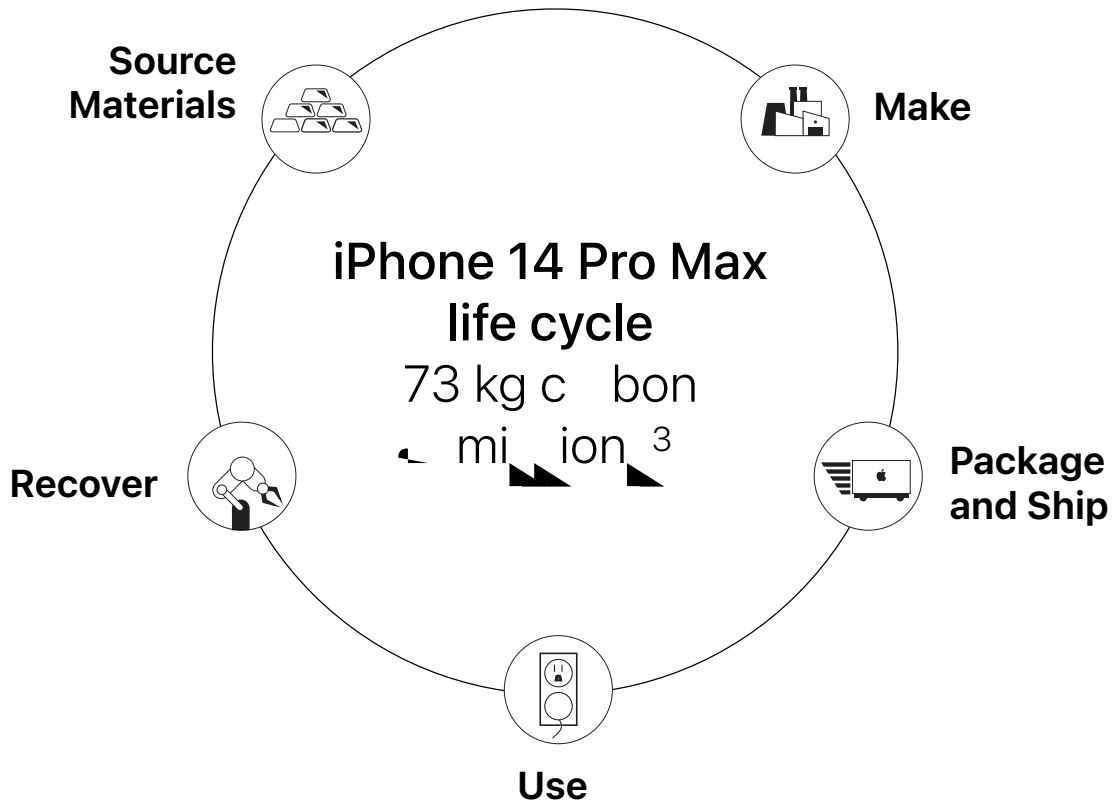
100% recycled gold in the wire of all cameras and in the plating of multiple printed circuit boards



# 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 using recycled materials. 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

We will of course be made with 100% recycled gold.

Our company's mission is to work with our suppliers and our customers to create a world where we can all live and work together in a sustainable way. We are committed to the highest standards of environmental performance and to the highest standards of product quality. We are committed to the highest standards of product quality and to the highest standards of product quality. We are committed to the highest standards of product quality and to the highest standards of product quality.



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



## Plastic

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



## Gold

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

## Smarter chemistry

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





# 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 using safer, greener chemicals in our products. We have implemented a number of measures to reduce the use of hazardous chemicals, including:
 

- Eliminating the use of 14 types of hazardous chemicals in our products.
- Reducing the use of hazardous chemicals in our manufacturing processes.
- Using safer, greener alternatives to hazardous chemicals.
- Working with our suppliers to ensure they are using safer, greener chemicals.

## Zero Waste to Landfill

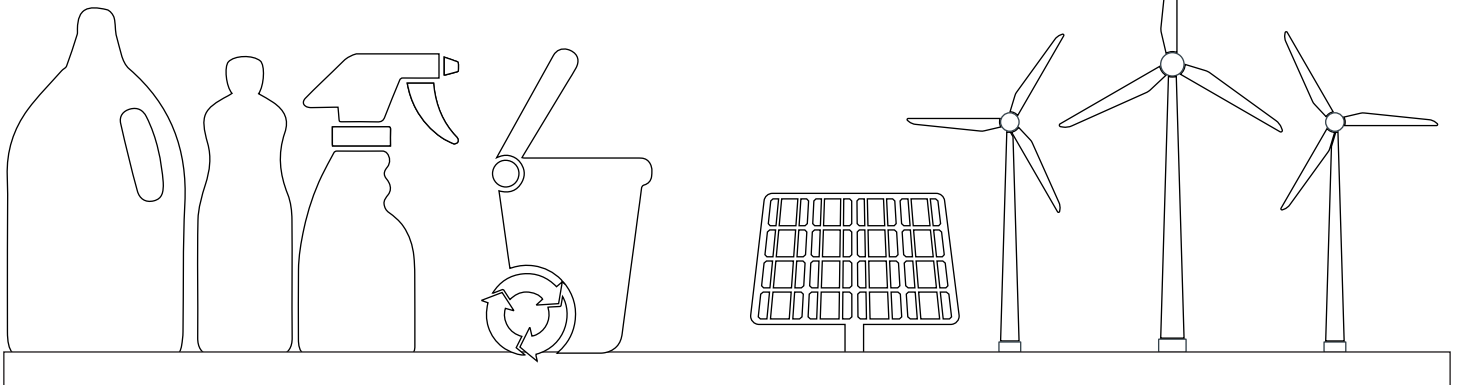
Apple is committed to achieving zero waste to landfill. We have implemented a number of measures to reduce our waste, including:
 

- Recycling 99% of our waste.
- Using recycled materials in our products.
- Working with our suppliers to ensure they are using recycled materials.

## Supplier energy use

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

- Working with our suppliers to ensure they are using renewable energy.
- Using energy-efficient materials and processes.
- Reducing our energy consumption in our manufacturing processes.





# Package and Ship

iPhone 14 Pro Max packaging is made from 100% recycled cardboard and 100% recycled paper. The packaging is designed to be easy to open and reuse.

Apple's packaging is made from 100% recycled cardboard and 100% recycled paper. The packaging is designed to be easy to open and reuse.

**95%**

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

**75%**

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

**100%**

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





# Use

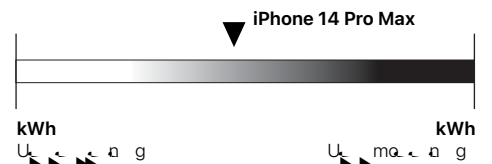
iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.

With its new, more efficient charging and use, iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use. With the new Energy Efficient Charging feature, iPhone 14 Pro can charge up to 50% faster than previous models. And with the new, more efficient charging and use, iPhone 14 Pro uses 40% less energy during charging and 12% less energy during use.

## Energy efficiency

As indicated in 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.

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.

## Made with smarter chemistry

We've also improved the chemistry of our lithium-ion battery to provide more power and longer life.



# Recover

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

We're proud to be a leader in product recovery and innovation. Our goal is to help you get the most out of your products. We're proud to be a leader in product recovery and innovation. Our goal is to help you get the most out of your products.

## iPhone recycling

We're proud to be a leader in product recovery and innovation. Our goal is to help you get the most out of your products. We're proud to be a leader in product recovery and innovation. Our goal is 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 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 a com o 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 r n mod wi s cific, ra o c m in ing r n a f 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 iod 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 a g u d in ra c nic s ion nd 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 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 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 e ' w w focu on ou c e c i d i 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

<sup>1</sup> 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 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 d i d fo e i m n g r n s , c ic .

<sup>2</sup> 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 com 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 .

<sup>3</sup> 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) 13 o w u d fo com j on m o c n e e d nd imi d ic . e s , oduc ion i oa 14 o wi 128G o g w com e d o i s , ingi oa 13 o wi 128G o g configu ion inc e e e wo ow o g configu ion off e d.
- 5) m s m e i in ou u s c in nd, ubi j i of id n i d in n um ung e n nd god (G) cob nd i um r e nd fia in ou u s c in . i d s r a n e k o confi m ou cing, c ic nd e s of ou e on i la ou cing, og m. In ddi ion ou e ffo con id b o d ng of i k including oci e n ion r a n um n ig nd ga n n e i k.
- 6) Ce mic r e Ge n Sa e n b n c m k 3 o 4 o o e qui e n r a 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 . Ge n Sa e n i com e n i e d e r a n oo e u e ub nc g in 18 diff e n c i i . o m a info m ion i j [www.g.n.g.e.nc.mic.g](http://www.g.n.g.e.nc.mic.g).
- 7) e b i e d fin e mb u s j i o o e b e n s e u s j i fo m a n o a e - fo i oa 14 o i d s e i d e o W e b U C U 27 S nd d). U e qui e c n d e ion ou g r a od o e n w e a g o c j e o W e o nd fi e c n God e c n nd inum 1 e c n ) d ign ion.
- 8) e d on e i s ck ging i e d b .
- 9) R e on i la ou cing of wood fib i d fia d in . S u in l a i b S e cific ion. W con id wood fib o incud b mboo.
- 10) o m a info m ion bou ou wok o s a c nd e e e on i b m n g d fa e e d ou [En ion r a n og R s o](#).
- 11) 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.
- 12) Effi e nc e fo m n e i b e d on e U.S. D s r a n of Ea g e d [Ea g Con i on S nd d fo C g e n a ENERGY S R do no c if m s oa d ic](#).
- Ea g e ff i e nc e m e a g e ff i e nc 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 a m ) j con a e d a C s ow bu no con a e d o i oa .
  - ow d s e ff i e nc e g of e s e 2 WUS -C ow d s e wi e US -C o ig ning C l a m ) r a u d ff i e nc e n e 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 Max			
Mode	100V	115V	230V
ow d s e no-o d	. 4W	. 4W	. W
ow d s e ff i e nc e	80.8	87.9	87.8

- 13) 14 o e w e nd du e j n nd w e e d und con a d bo o condi ion wi ing of I 8 und IEC nd d o 2 m imum d s of o r a e u o 3 minu ). S s w e nd du e i nc e no e m a n condi ion nd e i nc mig d e e u of no m w . Do no e m s o c g w i oa e f o e u e guid fo e ning nd d ing in uc ion . iquid d m g no co e d und w n .
- 14) 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 nonia nd in- a d -in. You mu b e 18 e o d. In- a d -in qui e e n ion of id ga n r a n -i u d s o ID o c w m e qui e ing i info m ion). ddi ion e m f om s e a s e e d -in, a m s s .

© 2 22 s s e Inc. ig e e e d s s e e s s e oga s s e s s e W c C mic S i d Hora od i d i d S i oa . c e . c ogo m c S s ic Engia S nd w c S e d m k of s 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 s s e Inc. s s e S a i e ic m k of s 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 ko 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 owa d b e U.S. En ion r a n e c ion g n e . e s oduc nd com n n r a r a n i oa d e e in m b d m k of e i e e c k com r i e .