



# Product Environmental Report

iPhone 14 Pro

Direct product  
September 7 2022

## Made with better materials

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

recycled gold in the wire of camera lenses  
recycled silver in magnets

## Energy efficient

**54%**

energy consumption in U.S.  
Department of Energy equivalent for  
better computing

## Responsible packaging

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

of total wood fiber composed of recycled and recycled fiber-based due to our work to utilize recycled ink



## Tackling climate change

**100%**

We're committed to transitioning our entire manufacturing supply chain to 100% renewable electricity by 2030.

## Smarter chemistry

- ▲ Phthalate-free
- ▲ BPA-free
- ▲ Formaldehyde-free
- ▲ CFC-free
- ▲ Hexavalent chromium-free

## Apple Trade In

Return your old device to us and we'll give you a new iPhone 14 Pro for free.

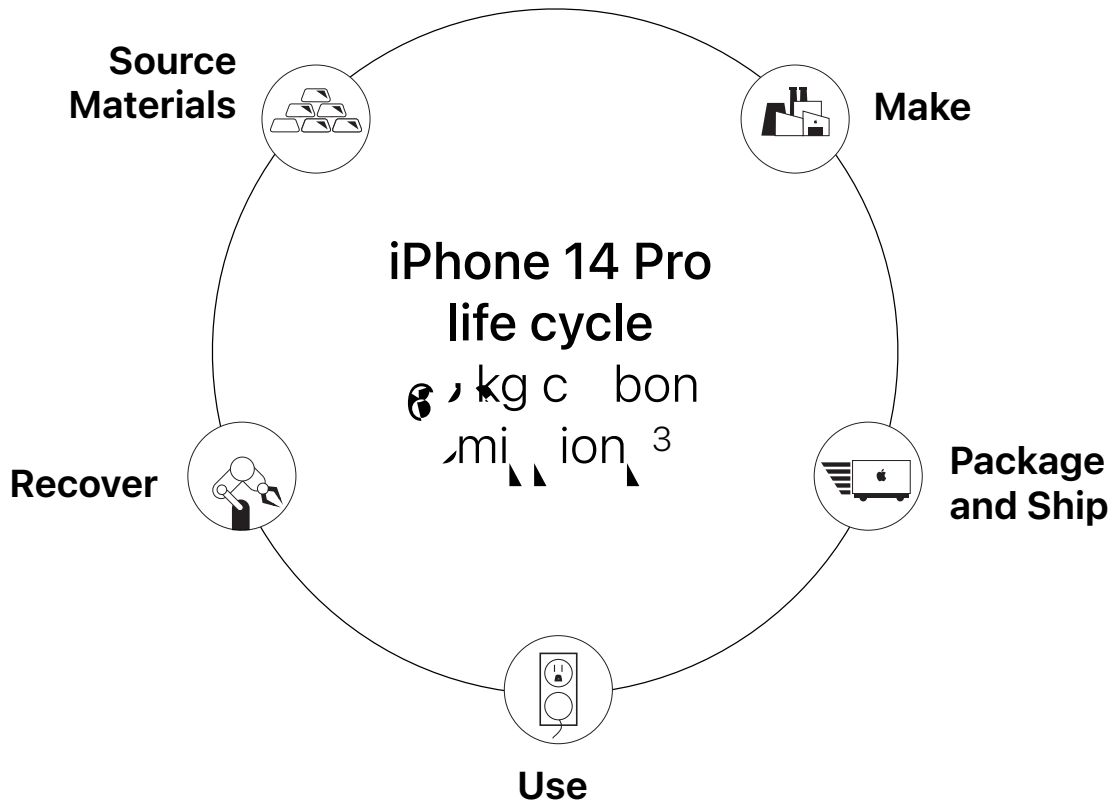
**100% recycled gold in the wire of all cameras and in the plating of multiple printed circuit boards**



# 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 source, make, and distribute them, and how we focus on reducing our impact on climate change, continuing to improve our products and packaging from their lifecycle.

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



## Carbon footprint

We continue to make progress in reducing our contribution to climate change—by focusing on making more efficient products with new, better materials and with new, better packaging. Some of our new packaging throughout our Supply Chain Energy program has helped us reduce our carbon footprint by 6.7 kg carbon per million units, a significant contribution.<sup>4</sup> We are committed to using carbon footprint data to identify opportunities to reduce our product's carbon footprint.

## iPhone 14 Pro life cycle carbon emissions

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



# Source Materials

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o, f, m, f, u, b, t, n, c, . . u, t, n, d, d, g, o, b, o, n, d, w, t, , q, u, i, d, b, w, t, o, o, t, c, t, o, , n, d, ,  
t, t, o, p, i, o, n, m, n, t.



## Rare earth elements

W, u, 1 c, n, t, c, c, d, , t, t, ,  
m, n, t, i, n, m, g, n, t, , s, t, a, n, t, i, n, g,  
1 c, n, t, o, f, t, o, t, , t, , m, n, t, ,  
i, n, t, d, i, c, .



## Tungsten

W, u, 1 c, n, t, c, c, d, t, u, n, g, t, n, i, n, t, ,  
t, i, c, E, n, g, i, n, e, i, n, t, 99 c, n, t, o, f,  
t, t, o, t, t, u, n, g, t, n, i, n, t, d, i, c, .



## Tin

W, u, 1 c, n, t, c, c, d, t, i, n, i, n, t, , o, d, ,  
o, f, m, u, l, t, i, , i, n, t, d, c, i, c, u, i, t, b, o, d, , i, n, c, l, u, d, i, n, g, t, ,  
m, i, n, o, g, i, c, b, o, d, .



## Plastic

W, u, t, n, i, t, i, o, n, i, n, g, f, o, m, f, o, i, f, u, -b, d,  
t, i, c, t, o, t, o, m, d, f, o, m, n, w, b, o,  
c, c, d, o, u, c, . o, i, o, n, 14 o, w,  
u, 3 c, n, t, o, m, o, c, c, d, t, i, c, i, n,  
1, c, o, m, o, n, t, .



## Gold

i, i, o, n, i, n, g, i, n, d, u, t, - d, i, n, g, ,  
o, f, t, c, b, i, t, i, n, c, c, d, m, t, i, , t, o, b, u, i, d,  
g, o, d, u, c, i, n, o, f, c, u, j, , c, c, d,  
c, o, n, t, . W, w, o, u, l, d, i, n, g, 1 c, n, t,  
c, c, d, g, o, d, i, n, t, w, i, o, f, c, m, , n, d,  
t, t, i, n, g, o, f, m, u, l, t, i, , i, n, t, d, c, i, c, u, i, t, b, o, d, .

## Smarter chemistry

i, o, n, 14 o, i, f, o, f, m, f, u, b, t, n, c, i, k, b, i, u, m, b, o, m, i, n, t, d, f, m, t, d, n, t, C,  
t, t, , n, i, c, i, n, t, g, , n, d, m, c, u, . 1 n, d, 1 c, n, t, o, f, t, m, t, i, i, n, i, o, n, 14 o,  
c, o, p, o, d, b, o, u, [R, e, g, u, l, a, t, i, o, n](#), [S, u, b, s, t, a, n, c, e](#), [S, e, c, i, f, i, c, a, t, i, o, n](#). W, w, o, u, l, d, i, n, g, 1 c, n, t,  
i, m, i, n, g, t, o, u, n, d, t, n, d, t, n, o, n- g, u, t, d, u, b, t, n, c, i, n, , t, o, f, , o, d, u, c, t- n, f, f, o, t,  
t, t, , q, u, i, n, i, n, d, u, t, - d, i, n, g, , o, f, t, n, , n, c, t, o, u, g, t, , n, t, i, , u, c, i, n, W,  
c, o, n, i, t, n, t, i, d, n, t, i, f, i, c, a, t, i, o, n, o, f, 7 c, n, t, b, m, o, f, i, o, n, d, i, c, .





# Make

— We are committed to our Supplier Code of Conduct, which is a key part of our commitment to responsible production of our products. We are committed to working with our suppliers to ensure they meet our requirements for responsible production of our products.

We work closely with our suppliers to identify and address any risks associated with their operations. We are committed to working with our suppliers to ensure they meet our requirements for responsible production of our products. We are committed to working with our suppliers to ensure they meet our requirements for responsible production of our products.

## Greener chemicals

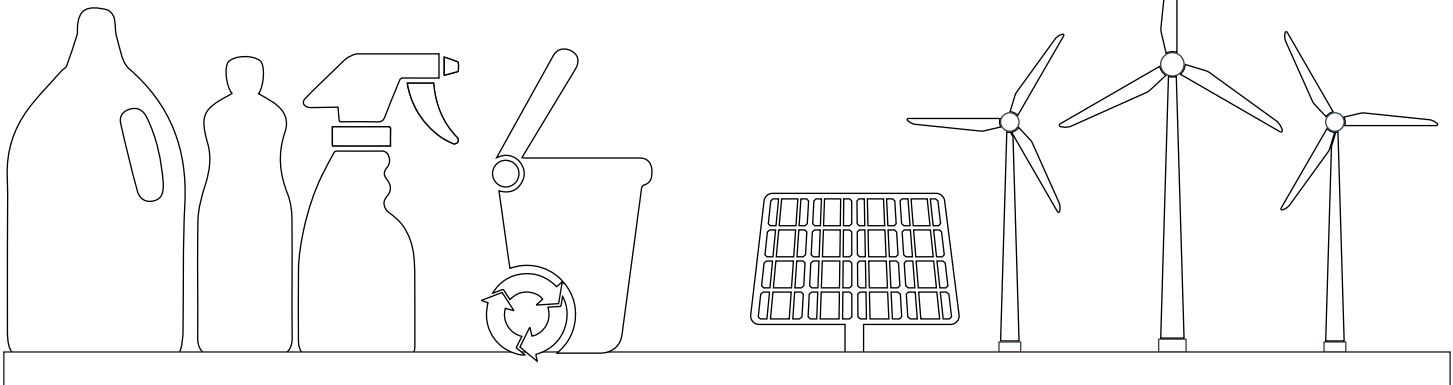
— In 2023, we reduced our use of hazardous chemicals by 10% compared to 2022. We are committed to working with our suppliers to ensure they meet our requirements for responsible production of our products.

## Zero Waste to Landfill

— In 2023, we achieved 100% Zero Waste to Landfill for our manufacturing operations. We are committed to working with our suppliers to ensure they meet our requirements for responsible production of our products.

## Supplier energy use

— In 2023, we reduced our supplier energy use by 10% compared to 2022. We are committed to working with our suppliers to ensure they meet our requirements for responsible production of our products.





# Package and Ship

In 2014, our packaging did not use any plastic with the exception of being used by the company to our global distribution, moving plastic from our packaging to 2022.

Our packaging was working to minimize plastic in our cardboard content and use recycled packaging of 100% wood fiber in our packaging. It is a good combination of recycled content and wood fiber in our packaging.<sup>11</sup> We are working to continue to reduce our plastic use.

**95%**

of the packaging<sup>12</sup> is fiber-based due to our work to use plastic in packaging

**74%**

recycled content in fiber packaging

**100%**

of the virgin wood fiber in the packaging comes from responsibly managed forests<sup>11</sup>





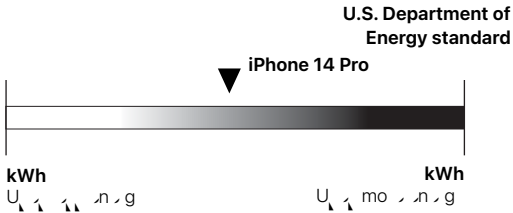
# Use

iPhone 14 Pro uses 4 percent less energy than competing smartphones.<sup>13</sup>

We designed our products to be more efficient long-term and, for iPhone 14 Pro, software and hardware-efficient components that integrate manufacturing, consumption. With the U.S. Energy Commission's Smart Product Index 2022 in the U.S., iPhone is now the most energy-efficient smartphone. We're proud to own a Responsible and Environmentally Friendly product. Our products go through rigorous testing before they're ever shipped. We don't stop there. We continue to improve our products, if we can, with software updates to keep devices current and networked for the best of your experience to make them more efficient.

## Energy efficiency

As a result, iPhone 14 Pro is 4 percent more energy efficient than competing smartphones. iPhone 14 Pro is 4 percent more energy efficient than competing smartphones.



## Designed to last

iPhone 14 Pro features a Ceramic Shield front cover, a 6.1-inch Super Retina XDR display, and a 48MP main camera. It's designed to last.

## Made with smarter chemistry

We're proud to use recycled materials in our products. We're proud to use recycled materials in our products.



# Recover

Return our product with a broken screen and a cracked back, and we'll give you a \$50 gift card to help you get a new one.

When you return a product with a broken screen and a cracked back, we'll give you a \$50 gift card to help you get a new one. This offer is available for all products with a broken screen and a cracked back. To see if you're eligible, visit [apple.com/return](#). This offer is available while supplies last. © 2023 Apple Inc. All rights reserved.

## iPhone recycling

When you return an iPhone with a broken screen and a cracked back, we'll give you a \$50 gift card to help you get a new one. This offer is available for all iPhones with a broken screen and a cracked back. To see if you're eligible, visit [apple.com/return](#). This offer is available while supplies last. © 2023 Apple Inc. All rights reserved.

[See Dave in action](#)



# Definitions

**Bio-based plastics:** io-b d tic , m d , f om bio gic ou c , t t n f om fo i-fu , ou c . io-b d tic ou w u to duc , i nc , on fo i fu .

**Carbon footprint:** E tim t d mi ion , c cu t d in cco d nc, wit guid, in d qui m nt , cifid b IS. 14 4 nd IS. 14 44. \_ , i in , nt unc, t int in mod, ing c bon mi ion du, im i to d t im it ion . o t , to com on nt cont ibuto , to c bon mi ion , d d , t i unc, t int b d , o ing d t i d oc , -b d p i on m nt mod , wit , cific m t , o t , m ining , m nt of c bon foot int w , on indu t , g d t nd um tion . C cu tion incud , mi ion fo t , fo owing if, c c , cont ibuting to Gob W ming ot nti (GW 1 ) in C.2 , qui nc fcto (C.2)

▲ **Production:** Incud , t , t ct ion odu ction nd t n o t ion of w m t i , w , t , m nuf ctu , t n o t nd mb of t nd odu ct ck ging.

▲ **Transport:** Incud , i nd , t n o t ion of t , fini d odu ct nd it , oci t d ck ging f om m nuf ctu ing it, to gion di t ibution ub , \_ n o t of odu ct f om di t ibution ub , to nd cu tom , i mod , d u ing , g , di t nc , b d on gion g og .

▲ **Use:** , um , t , o fou - , i od fo ow , u , b fi , town , b d ont , odu ct t , odu ct u , c n i o , b d on i to ic cu tom , u d t fo imi odu ct . En , g u , i mu t d in , iou w : fo , m , b mod , ing

d i b tt , d in o t oug , fo ming ctj iti , ik , m p i , nd mu ic b ck . G og ic diff , nc , int , ow , g id mi , b , n ccount d fo t , gion .

▲ **End-of-life processing:** Incud , t n o t ion f om co ction ub , to c cing c nt , nd t , n , g u d in m c nic , tion nd , dding of t , o mo , info m tion on t , c bon foot int , i it [www.apple.com/iphone13pro/](https://www.apple.com/iphone13pro/)

**Recycled materials:** R c cing m k , b tt , u , of finit , ou c , b ou cing f om , cp , d t , t n m d m t i . R c c d cont nt c im fo m t i , u d in ou odu ct , b , n , ifi d b n ind , nd nt i d t to c c d cont nt , t nd d t t confo m to IS. 14 21.

**Renewable materials:** W d fin , bio-m t i , t o , t c n b , g n , t d in um n if , n ik , , fib , o u g c n . io-m t i , c n , u u , f w , finit , ou c . ut , nt oug bio-m t i , t , bit to g ow t , , not w m n g d , on ib . R n w b , m t i , t , of bio-m t i m n g d in w t t , n b , continuou odu ction wit out d , t ing t , t t , ou c . \_ t w w , focu on ou c , t t , c , tifi d fo t i m n g , m nt ctic .

**Supplier Clean Energy Program:** Sinc , t , ct icit u d to m k , ou odu ct i t , g t cont ibuto to ou p , c bon foot int w , , ing ou u i , b . com . mo , n , g , ffi c i nt nd t n it ion to n w , n w b , n , g ou c . W , , committ d to t n it ioning ou nti , m nuf ctu ing , u c in to 1 , c nt n w b , ct icit b 2 3 .

# Endnotes

<sup>1</sup> R , gu t d Sub t nc , S , cific tion d , c ib , , t ct ion on t , u , of c t in c , mic ub t nc , in m t i , in , odu ct , cc , o i , m nuf ctu ing oc , nd ck ging u d fo i ing odu ct to , nd-cu tom , R , t ct ion , d , j d f om int , n tion w , o di ct i , gu to , g nci , co- b , qui m nt , p i on m nt , t nd d , nd , oici . E , , odu ct i f , of C nd t t , c t , fo C ow , co d , in Indi \_ i nd (fo 2- ong C ow , co d ) nd Sout o , w , w , continu , to , k gp , nm nt p fo ou C nd t t , , c , m nt . , odu ct com wit t , Eu o , n Union Di ctj , 2 11/ , EU nd it , m nd m nt , including , m tion fo t , u , of , d u c , ig -t , m , tu , o d , , i wo king to , out t , u , of t , , m t d , ub t nc , fo n w odu ct w , t c nic o , ib .

<sup>2</sup> on , 14 o c i , d God ting int , Unit d St t , nd C nd in cco d nc, wit IEEE 1 8 . 1 o U 11 nd i i t d , uc ont , E ct onic odu ct Ep i on m nt , m nt , oo ( E E ) R , g i t . E E \_ , g i t , com ut , di , nd mobi , on , b d on p i on m nt , qui m nt , int , t nd d , o mo , info m tion , i it [www.apple.com/iphone13pro/](https://www.apple.com/iphone13pro/)

<sup>3</sup> , n ou , g , mi ion w , c cu t d u ing if, c c , , m nt m t odoog in cco d nc, wit IS. 14 4 nd 14 44 , t nd d , nd b , d on i on , 14 o t nd d configu tion wit 128G , to g .

	Carbon footprint	
	iPhone 14 Pro	iPhone 13 Pro
128G	87 kg C . 2 ,	89 kg C . 2 ,
256G	71 kg C . 2 ,	78 kg C . 2 ,
512G	84 kg C . 2 ,	88 kg C . 2 ,
1TB	118 kg C . 2 ,	112 kg C . 2 ,



# Endnotes

4. In 2013, the product design and development team conducted a series of tests to determine the power consumption of the device in various modes. The results of these tests are provided in the following table.
5. The maximum power consumption of the device in the standby mode is 0.1W. This is due to the power consumption of the display and the processor.
6. The maximum power consumption of the device in the active mode is 1.2W. This is due to the power consumption of the display, the processor, and the network interface.
7. The maximum power consumption of the device in the video playback mode is 3.4W. This is due to the power consumption of the display, the processor, and the network interface.
8. The maximum power consumption of the device in the video playback mode is 3.4W. This is due to the power consumption of the display, the processor, and the network interface.
9. The maximum power consumption of the device in the video playback mode is 3.4W. This is due to the power consumption of the display, the processor, and the network interface.
10. The maximum power consumption of the device in the video playback mode is 3.4W. This is due to the power consumption of the display, the processor, and the network interface.
11. The maximum power consumption of the device in the video playback mode is 3.4W. This is due to the power consumption of the display, the processor, and the network interface.
12. The maximum power consumption of the device in the video playback mode is 3.4W. This is due to the power consumption of the display, the processor, and the network interface.
13. The maximum power consumption of the device in the video playback mode is 3.4W. This is due to the power consumption of the display, the processor, and the network interface.

Power consumption for iPhone 14 Pro			
Mode	100V	115V	230V
Standby, no-od	0.4W	0.4W	0.4W
Standby, efficiency	8.8	8.8	8.8

14. In 2014, the product design and development team conducted a series of tests to determine the power consumption of the device in various modes. The results of these tests are provided in the following table.
15. The maximum power consumption of the device in the standby mode is 0.1W. This is due to the power consumption of the display and the processor.
16. The maximum power consumption of the device in the active mode is 1.2W. This is due to the power consumption of the display, the processor, and the network interface.
17. The maximum power consumption of the device in the video playback mode is 3.4W. This is due to the power consumption of the display, the processor, and the network interface.

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