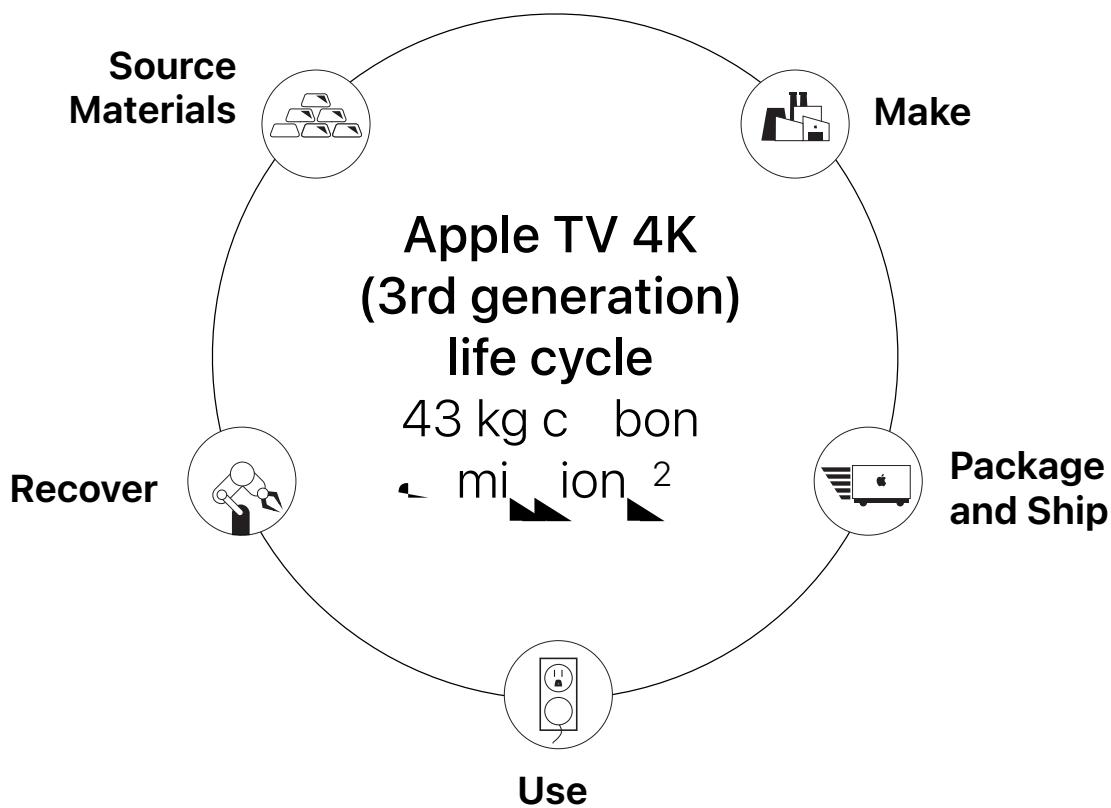




# Taking responsibility for our products at every stage

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, difficult changes to our products, reducing our impact on climate change, and improving our products.

**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 our suppliers to reduce their carbon footprint. We also focus on recovering our products at the end of their life cycle. Our carbon footprint for the Apple TV 4K (3rd generation) is 43 kg carbon emission<sup>2</sup> per unit, which includes the carbon footprint of the product, packaging, and shipping. This is a 23% reduction from the previous generation.<sup>3</sup>

## Apple TV 4K (3rd generation) life cycle carbon emissions

- 62 Production
- 19 Shipping
- 37 Use
- 1 End-of-life recycling

# Source Materials



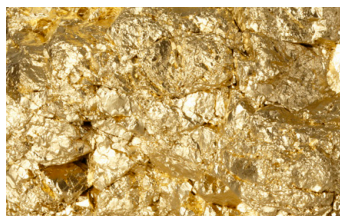
— 4 8 dg a ion) wi Si i R ma con in c e d uminum god, ic nd in.

o con e im o n e ou c w wok o duc e m e i w u nd im o o d ou c on e c e d o e a w l e m e i in ou, oduc nd w m k i n i on w e m in commi d o e e on ila ou cing of, im m e i . W m, m n m e i o m o e mia ou c nd bi e i e nd d fo ra e nd e fia — 4 e qui 1 e c n of id n i fi d in n um ung e n god cob nd i um ra e nd e fia o, i c i e in i d, u di . 4 W e, oud o b e cogni d wo dwid e d in e e on ila ou cing of mia in ou, oduc . u, oduc d ign o con id e f of o e w o m k u nd e c e o u, oduc e ic ing e u of und d of mfu ub nc . u nd d gob ond w ' e qui d b w o, e c e e nd e e n i on r a n .



**Aluminum**

— 4 8 dg a ion) / e m modu con in 8 e c n e c e d uminum nd e e n c o u of Si i R ma con in 1 e c n c i fi d e c e d uminum.



**Gold**

— 4 8 dg a ion) / e m modu con in 8 e c n e c e d uminum nd e e n c o u of Si i R ma con in 1 e c n c i fi d e c e d uminum.



**Plastic**

W e n i n i oning f om fo i fu b e d, i c o o m d f om e a w l e o e c e d ou c . o — 4 8 dg a ion) wi Si i R ma nia, ic com, o a n con in 3 e c n o m a e c e d cor n .



**Tin**

— 4 8 dg a ion) / e m modu con in 8 e c n e c e d uminum nd e e n c o u of Si i R ma con in 1 e c n c i fi d e c e d uminum.



## Smarter chemistry

— 4 8 dg a ion) i f e of mfu ub nc ik b ium b omin e d f ra e d n C, e nd ra cu 1 nd 1 e c n of e m e i in — 4 8 dg a ion) e c e d b ou R gu e d Sub nc S e cific ion.



# 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 live and work.

We work with our suppliers to identify and work to reduce the environmental impact of our products. Our suppliers are required to follow the principles of the Supplier Code of Conduct, which includes the following requirements: suppliers must use only the most advanced and safe materials and processes available; suppliers must use only the most advanced and safe materials and processes available; suppliers must use only the most advanced and safe materials and processes available.

## Greener chemicals

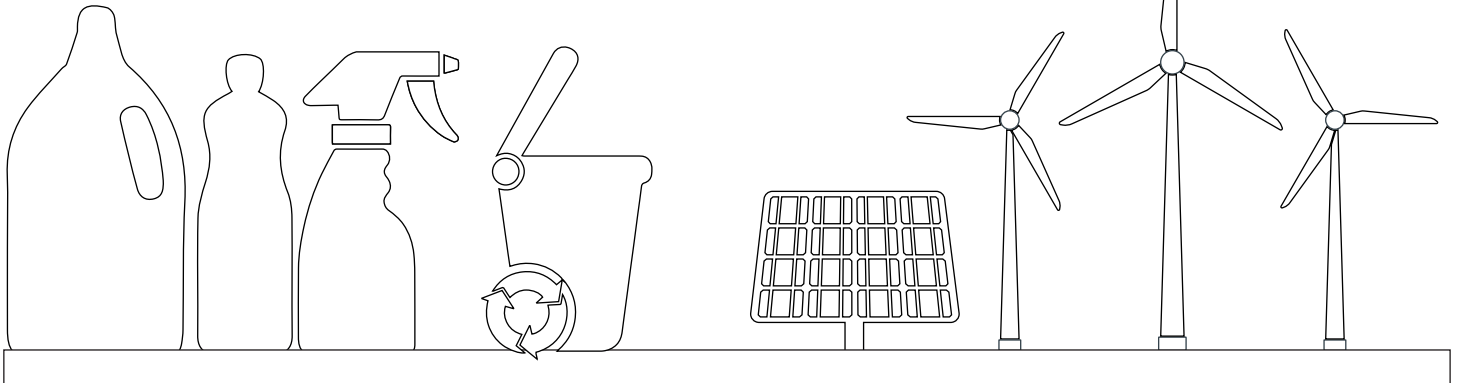
Apple is committed to reducing the environmental impact of the chemicals used in our manufacturing processes. We are working with our suppliers to identify and use greener chemicals that are safer for the environment and our employees.

## Zero Waste to Landfill

Apple is committed to reducing the environmental impact of our manufacturing processes. We are working with our suppliers to identify and use materials and processes that result in zero waste to landfill.

## Supplier energy use

Apple is committed to reducing the environmental impact of our manufacturing processes. We are working with our suppliers to identify and use energy-efficient materials and processes.





# Package and Ship

Apple TV 4K (3rd generation) packaging does not use any plastic with the exception of the outer cardboard sleeve. The sleeve is made from 100% recycled cardboard.

Apple TV 4K (3rd generation) packaging is made from 100% recycled cardboard. The sleeve is made from 100% recycled cardboard. The sleeve is made from 100% recycled cardboard.

**90%**

of the weight of the packaging is made from recycled cardboard.

**39%**

of the weight of the packaging is made from recycled cardboard.

**100%**

of the weight of the packaging is made from recycled cardboard.







# Recover

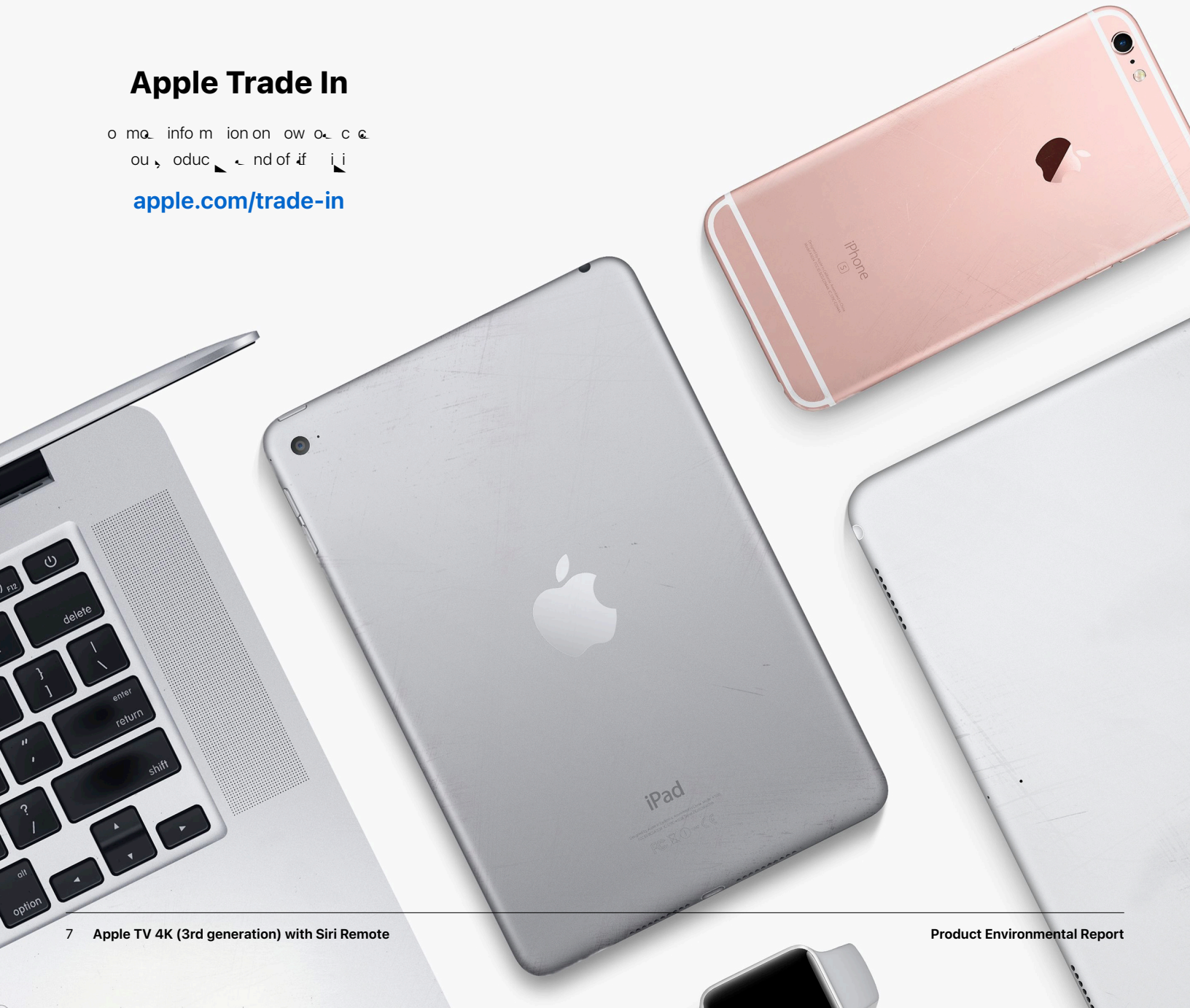
Run our product recovery and innovation efforts.

We're working to reduce our carbon footprint and improve our energy efficiency. We're also working to reduce our water usage and improve our waste management. We're committed to using recycled materials in our products and packaging. We're also working to improve our recycling programs and encourage our customers to recycle their old products. We're committed to being a leader in product recovery and innovation.

## Apple Trade In

Learn more information on how we can help you trade in your old products.

[apple.com/trade-in](http://apple.com/trade-in)



# Definitions

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

d i b e d in o ou g e fo ming c i i i k mo j nd mu ic, b ck.G og s ic d i f e nc in e s ow g id mi e b e n c cour d fo e gion e e .

**Carbon footprint:** E im e d m i ion e c cu e d in cco d nc wi guid ia nd e qui ra n e c i f i d b IS 14 4 nd IS 14 44. e e i in e n unc in in mod ing c bor m i ion du s im i o d i m i ion o e q con s on n con ibu o a s s e ' c bor m i ion s s e d d e i unc in b d e q ing d i d s oc b e d n i on r a n mod wi s s e e c i f i c s r a e o e e m in ing e r a n o f s s e ' c bonfoo s in w e on indu e g d nd um i ion. C cu ion in c ud e m i ion fo e fo owing if c e s e con ibu ing o Gob W ming a n i GW 1 e ) in C e qui e nc f co ( e )

**End-of-life processing:** In c ud n e o ion f om c a c ion ub a c c ing c r nd e e a g u d in r a c nic s s ion nd e dding of, o ma info m ion on e c bonfoo in i i s s e .com/ n i on r a n / n w

**Recycled materials:** R c c ing m k b e u e of fini e ou c b ou c ing f om e c a 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 f i d b n ind e nd n i d s 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 e c n b e g a e d in um n if s n ik s e fib o u g c a . io-m e i c n e s u u e f w fini e ou c . u e n ou g bio-m e i e e b i i a e g ow e e no w m n g d e on ib . R a w l a m e i e n e of bio-m e i m n g d in w e n l a con in uou s oduc ion wi ou d s e ing e e ' e ou c e ' w w focu on ou c e c i f i d fo e i m n g r a n s c i c

**Supplier Clean Energy Program:** Sinc e e e c ici u d o m k ou s oduc i e g con ibu o o ou a c bonfoo s in w l e s ing ou u s d i b cor a m a e a g e f f i a i n nd n i ion o a w e a w l a e a g ou c . W l comm i 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 i c i b 2 3 .

**Production:** In c ud e e c ion s oduc ion nd n e o ion of w m e i w e m nuf c u e n e o nd e mb of s nd s oduc s ck ging.

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

**Use:** s s e um e e -o fou e e iod fo s ow u e b fi owa b e d on e s oduc e . oduc u e c n io e b e d on i o i c cu ora u e d fo im i s oduc . E a g u e i imu e d in iou w fo e m e b mod ing

# Endnotes

<sup>1</sup> s s e ' R g u e d Sub nc S e c i f i c ion d e i b s s e ' e ic ion on e u e of c in e m ic ub nc in m e i i n s s e s oduc c c o u j m nuf c u ing, o c e nd s ck ging u d fo i s ing, oduc o s s e ' e nd-cu ora . R ic ion e d i k d f om i r a n ion w o d i c k e gu o g n a i e co- b e qui ra n e n i on r a n nd d nd s s e s o i a i . E e s s oduc i f e of . C nd s e e c s fo C, ow co d in lndi i nd fo 2 s ong. C, ow co d ) nd Sou s a w e e w con inu o e k g a e n r a n s s o fo ou . C nd s e e s c r a n s s e s oduc com wi e Eu a e n Union D e c k 2 11 /EU nd i r a nd r a n including e m i ion fo e u e of d uc i g e m e u o d . s s e i wo king o s e ou e u e of e e e m e d ub nc fo a w s oduc w e e c nic s o i l a .

<sup>2</sup> G e n ou g e m i ion w e c cu e du ing if c e e r a n r a o do og in cco d nc wi IS 14 4 nd 14 44 nd d nd b e d o a s s e - 4 ( d g a ion) nd d configu ion wi 4G o g . W of n u d e ou c bonmod a e g a w info m ion e u ou e im e fo e c bonfoo s in of e s e iou g a ion s s e - 4 wi Si i R ma ( nd g a ion) wi 4G o g configu ion- d a e d f om 2 kg C 2 e ub i e d in i oduc E n i on r a n R s o ) o 1 kg C 2 .

Carbon footprint		
	Apple TV 4K (3rd generation) with Siri Remote	Apple TV 4K (2nd generation) with Siri Remote
4G	43 kg C e	1 kg C e
128G	4 kg C e	N/A



# Endnotes

3. See 4 (2nd generation) 4G Wi-Fi max throughput performance and  
 limit. See also 4 (2nd generation) Wi-Fi max throughput performance and  
 4G Wi-Fi max throughput performance and 4G Wi-Fi max throughput performance.
4. Maximum input power in standby mode of the device in normal use (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W. Maximum power consumption  
 in standby mode of the device in normal use (e.g., standby mode, screen off,  
 etc.) is less than 0.5 W.
5. The maximum power consumption of the device in standby mode (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W. The maximum power  
 consumption of the device in standby mode (e.g., standby mode, screen off,  
 etc.) is less than 0.5 W.
6. The maximum power consumption of the device in standby mode (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W. The maximum power  
 consumption of the device in standby mode (e.g., standby mode, screen off,  
 etc.) is less than 0.5 W.
7. The maximum power consumption of the device in standby mode (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W.
8. The maximum power consumption of the device in standby mode (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W.
9. The maximum power consumption of the device in standby mode (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W.
10. The maximum power consumption of the device in standby mode (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W.
11. The maximum power consumption of the device in standby mode (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W.
12. The maximum power consumption of the device in standby mode (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W.

Power consumption for Apple TV 4K (3rd generation) with Siri Remote			
Mode	100V	115V	230V
Standby (Screen off)	0.48W	0.49W	0.50W
Streaming 4K (Standard)	2.30W	2.31W	2.32W
Streaming 4K (HDR)	2.30W	2.31W	2.40W
Power Supply Efficiency	88.1	88.3	87.0

12. The maximum power consumption of the device in standby mode (e.g.,  
 standby mode, screen off, etc.) is less than 0.5 W.

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