



# Product Environmental Report

— 4 8 d g n ion) wi Si i R ma

D. in oduc d  
c ob 18 2 22

## Made with better materials

80%

— c e d u minum  
in — 4  
8 d g n ion)  
— m modu

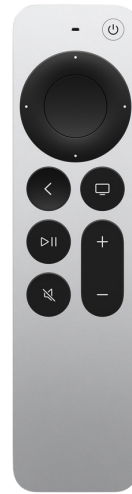
100%

— c e d in in  
od of mu i e s i r d  
ci cui bo d

## Energy efficient

79%

— e a g con u r a d n  
— ENERGY S R a g  
— f f i a n c e q u i r a n



## Tackling climate change

100%

W e commi d o n i o n i n g o u r n i  
m n u f c u i n g u c i n o 1 e c n  
— a w b e c c i b 2 3 .

## Smarter chemistry<sup>1</sup>

- e c u - f e
- o m i n e d f r a e d n - f e
- C - f e
- e i u m - f e

## Responsible packaging

100%

of e wood fib  
com f om e c e d  
nd e on i a  
ou c

90%

o ma of e  
s ck g i n g i  
fib - b e d d u o  
ou wo k e i m i n e  
s i c i n s ck g i n g

## Apple Trade In

R u n o u d i c o u g  
— s e — d I n n d w '  
— c e i f o f e .

### Now with recycled gold—a first for Apple TV 4K

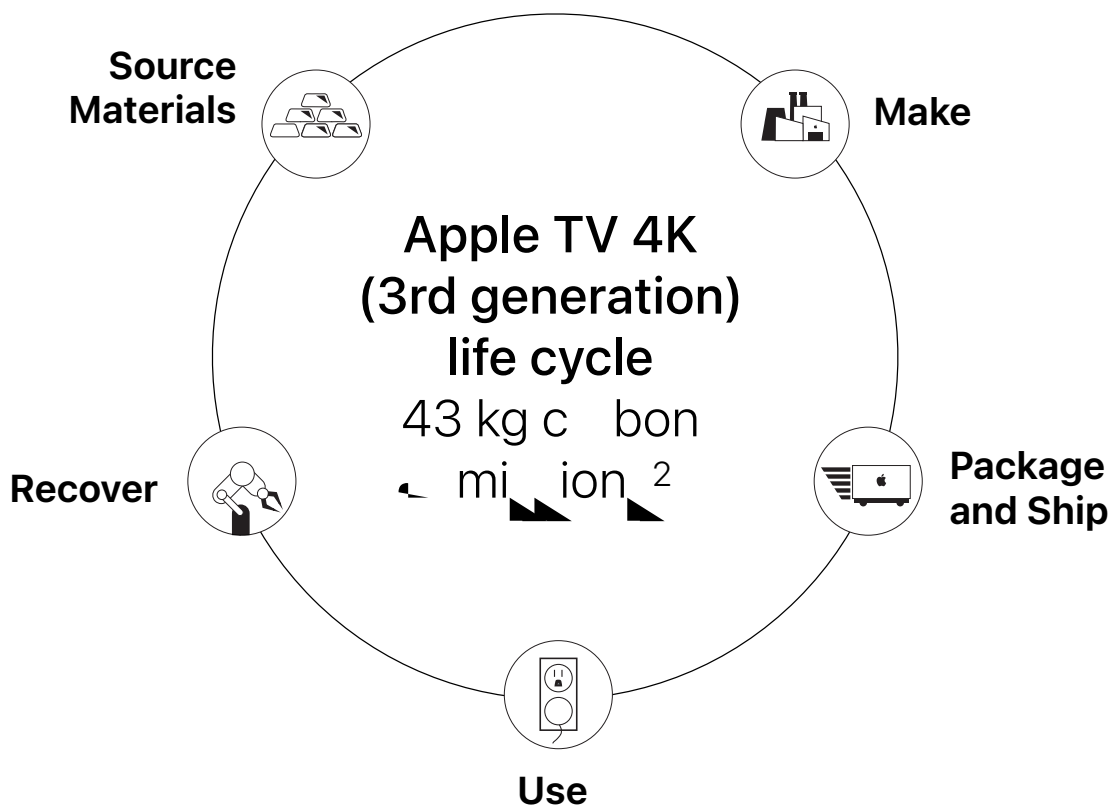
— j e s o i n c u d d c u e n of, oduc unc . oduc u ion — b d on U.S. configu ion of — 4 8 d g n ion) wi Si i R ma .



# 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. We work on making big, difficult changes to our products, reducing our impact on climate change, and improving our products.

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

- 0.2 Production
- 1.1 Distribution
- 37 Use
- 1.1 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 b i 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, 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 mod e 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 mod e con in 1 e c n e c e d god.



**Plastic**

W e n i ioning 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 n i a, i c 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 mod e con in 1 e c n e c e d in.



## Smarter chemistry

— 4 8 dg a ion) i f e of mfu ub nc ik b ium b o m i n 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 o 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 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.

We work with our suppliers to identify and work to reduce the environmental impact of our products. This includes the use of renewable energy, the use of recycled materials, and the use of responsible manufacturing practices. We also work with our suppliers to ensure that they are using responsible manufacturing practices. This includes the use of renewable energy, the use of recycled materials, and the use of responsible manufacturing practices.

## Greener chemicals

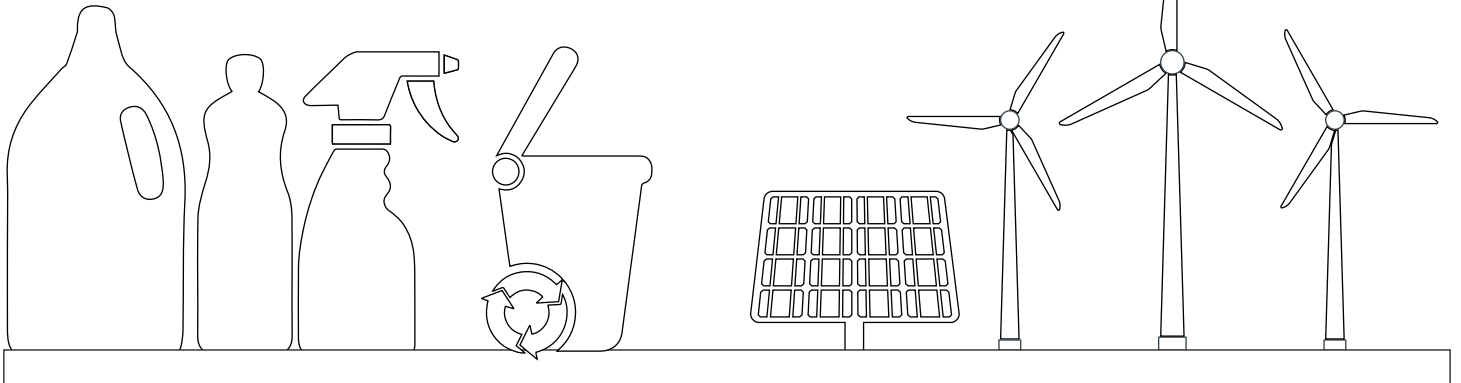
Apple is committed to reducing the environmental impact of our products. This includes the use of greener chemicals in our manufacturing process. We are working with our suppliers to ensure that they are using greener chemicals. This includes the use of renewable energy, the use of recycled materials, and the use of responsible manufacturing practices.

## Zero Waste to Landfill

Apple is committed to reducing the environmental impact of our products. This includes the use of zero waste to landfill. We are working with our suppliers to ensure that they are using zero waste to landfill. This includes the use of renewable energy, the use of recycled materials, and the use of responsible manufacturing practices.

## Supplier energy use

Apple is committed to reducing the environmental impact of our products. This includes the use of renewable energy. We are working with our suppliers to ensure that they are using renewable energy. This includes the use of renewable energy, the use of recycled materials, and the use of responsible manufacturing practices.





# 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.





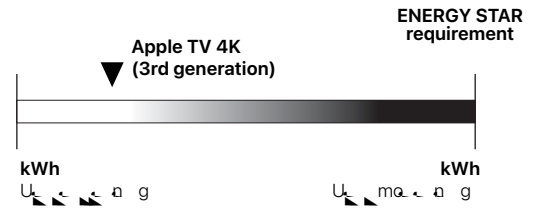
# Use

Apple TV 4K (3rd generation) uses 70% less energy than the previous generation. This is a significant improvement for ENERGY STAR.<sup>11</sup>

We designed our products to be more efficient and longer-lasting. This means you can use your products for longer, and we can help you reduce your carbon footprint. We also use recycled materials in our products, and we use energy-efficient components. We also use recycled materials in our products, and we use energy-efficient components.

## Energy consumption of ENERGY STAR-rated products

Apple TV 4K (3rd generation) uses 70% less energy than the previous generation. This is a significant improvement for ENERGY STAR.<sup>11</sup>



## Designed to last

Apple TV 4K (3rd generation) is designed to last. It uses high-quality components and is built to last. This means you can use your Apple TV 4K (3rd generation) for longer, and we can help you reduce your carbon footprint.

## Made with smarter chemistry

We use smarter chemistry in our products. This means we can use less energy to make our products, and we can help you reduce your carbon footprint.



# Recover

Run our product with... and in new... for...

We... product... from... 'w...  
 und... d... In-i off... cu... or... m... w... o... u... i... o... d... i... c... n... d...  
 cc... oi... e... .Eigil... d... ic... c... n... b... d... d... info... e... di... o... n... .S... e... Gif... C... d...  
 w... i... cc... oi... nd... e... d... ic... c... n... b... e... c... e... d... fo... .<sup>12</sup>W... o... off... nd... ic... i... e...  
 in... oduc... k... -b... ck... nd... c... c... ing... ca... c... ion... og... m... fo... 00... c... n... of... e... coun... i... w... e...  
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## Apple Trade In

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 ou... s... oduc... \_e... nd... of... if... i...  
[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 n c 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 n c f co ( e )

→ **End-of-life processing:** Incud 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 s in i i s s e . [.com/ni/onra/n/nw](https://www.apple.com/ni/onra/n/nw)

**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 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:** Incud 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:** Incud 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 . 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 n c 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 n c 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 e k e g u o g n e 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 n c 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 m a 2 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/



# Endnotes

3. 3, 3, 4 (2nd generation) 4G Wi-Fi with Siri remote with 4K video content and 4K HDR content. 4. 3, 3, 4 (2nd generation) Wi-Fi with Siri remote and 4K video content and 4K HDR content. 4G Wi-Fi with Siri remote and 4K video content and 4K HDR content.
4. Wi-Fi with Siri remote and 4K video content and 4K HDR content. 4G Wi-Fi with Siri remote and 4K video content and 4K HDR content.
5. Wi-Fi with Siri remote and 4K video content and 4K HDR content. 4G Wi-Fi with Siri remote and 4K video content and 4K HDR content.
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11. Wi-Fi with Siri remote and 4K video content and 4K HDR content. 4G Wi-Fi with Siri remote and 4K video content and 4K HDR content.
12. Wi-Fi with Siri remote and 4K video content and 4K HDR content. 4G Wi-Fi with Siri remote and 4K video content and 4K HDR content.

Power consumption for Apple TV 4K (3rd generation) with Siri Remote			
Mode	100V	115V	230V
Standby	0.48W	0.49W	0.48W
Streaming 4K	2.3W	2.3W	2.3W
Streaming 4K HDR	2.3W	2.31W	2.4W
Power Supply Efficiency	88.1	88.3	87.8

12. Wi-Fi with Siri remote and 4K video content and 4K HDR content. 4G Wi-Fi with Siri remote and 4K video content and 4K HDR content.

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