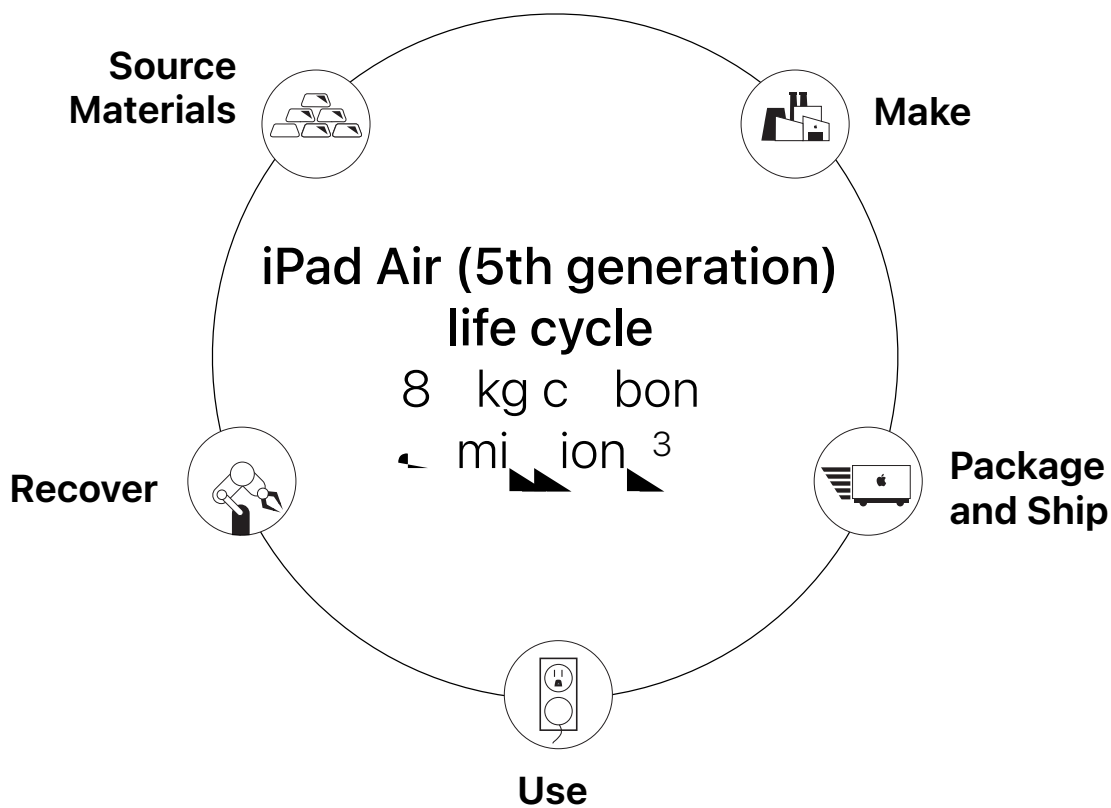


Taking responsibility for our products at every stage

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, including our commitment to reducing our carbon footprint.

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 a greener product, with a lower carbon footprint. We are also working on making our packaging greener, by using recycled materials. We are committed to reducing our carbon footprint, and we are working on making our products more sustainable.

iPad Air (5th generation) life cycle carbon emissions

- 70% Production
- 7% Distribution
- 14% Use
- 9% End-of-life recycling



Source Materials

...ncou of i d i g n ion) i m d wi 1
 ...c e d uminum.

...con... im, o n... ouc... w wo k o d u c... m e i w u... nd im o o a d
 ...ou c on... c e d o... a w l a m e i... in ou, o d u c... nd... w m k... i... n i o n
 ...w e m in c o m m i... d o... e... s... on i l a... o u c i n g o f... i m... m e i... W m, m n m e i
 ...o m a o... e m i a... o u c... n d... b i... e... i a... n d d f o r a... n d... f i a...
 ...s... e... o... q u i... 1... e... c n o f i d n i f i d i n... n u m u n g... n g o d c o b... n d i u m
 ...r a... n d... f i a... o... i c i... e... i n... i d... s... u d i... W... e... o u d o b... e... c o g n i... d...
 ...w o d w i d... e... d... i n... e... s... on i l a... o u c i n g o f m i a... i n o u... s... o d u c... u... s... o d u c... d... i g n...
 ...o c o n... i d... e... f... o f... a... w... o m k... u... n d... c... e... o u... s... o d u c... e... i c i n g... e... u...
 ...o f... u n d... d... o f... m f u... u b... n c... u... n d... d... g o b... o n d w... '... e... q u i... d... b... w... o... s... a... c...
 ...e... q... e... n d... e... n i o n... r a... n... .



Aluminum

...s... e... d... n... u m i n u m... o... m... d... o f... 1... e... c... n... c... i... f... i... d...
 ...c... e... d... u m i n u m... w... i... c... w... u...
 ...e... f... o... e... n... c... o... u... o f... e...
 ...i... d... i... g... n... i... o n...)... o... -... i...
 ...o... d... i... e... r... a... e... n g...
 ...d... u... b... i... n... d... f... w... f... i... n... i... -
 ...w... i... o... u... m... i... n... g... n... a... w... b... u... i...
 ...r... u m i n u m... a...)... f... o... m... e... .



Rare earth elements

W... u... 1... e... c... n... e... c... e... d...
 ...e... e... e... r... a... n... i... n... e...
 ...n... c... o... u... n... d... u... d... i... o... m... g... a...
 ...e... e... n... i... n... g... o... e... c... n... o f... e...
 ...o... e... e... e... r... a... n...
 ...i... n... e... d... i... c... .



Plastic

W... l... n... i... o... n... i... n... g... f... o... m... f... o... i...
 ...f... u... -... b... e... d... s... ,... i... c... o... o...
 ...m... d... f... o... m... e... a... w... l... e... o...
 ...c... e... d... o... u... c... o... i... d... i...
 ...r... e... g... n... i... o n...)... w... u...
 ...3... e... c... n... o... m... a... e... c... e... d...
 ...s... i... c... i... n... f... i... c... o... m... p... o... s... i... t... i... o... n... .



Tin

W... u... 1... e... c... n... e... c... e... d...
 ...i... n... i... n... e... o... d... o f... e... m... i... n...
 ...o... g... i... c... b... o... d... .

Smarter chemistry

i... d... i... g... n... i... o n...)... i... f... e... o f... m... f... u... u... b... n... c... i... k... b... i... u... m... b... o... m... i... n... e... d... f... r... a...
 ...e... d... n... C... e... e... n... i... c... i... n... e... d... i... g... n... d... r... a... c... u... 1... n... d... 1... e... c... n... o f... e...
 ...m... e... i... n... i... d... i... g... n... i... o n...)... e... c... o... e... d... b... o u... [R... g... u... e... d... S... u... b... n... c... S... e... c... i... f... i... c... i... o... n... .](#)
 ...W... g... o... b... o... n... d... w... '... e... q... u... i... d... b... i... m... i... n... g... o... u... n... d... e... n... o... n... e... g... u... e... d... u... b... n... c... i... a...
 ...s... o f... e... s... o d u c... -... r... f... f... o... e... q... u... i... n... i... n... d... u... e... d... i... n... g... e... o f... n... e... n... c... o... u... g...
 ...e... n... i... u... s... c... i... n... .W... c... o... n... j... e... n... i... d... n... i... f... e... m... k... u... o f... a... 7... e... c... n... b... m... o f...
 ...i... d... i... c... .





Make

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

We work with our suppliers to identify and work to reduce the environmental impact of our products. Our suppliers are required to follow the Apple Supplier Code of Conduct, which includes the following requirements:

Greener chemicals

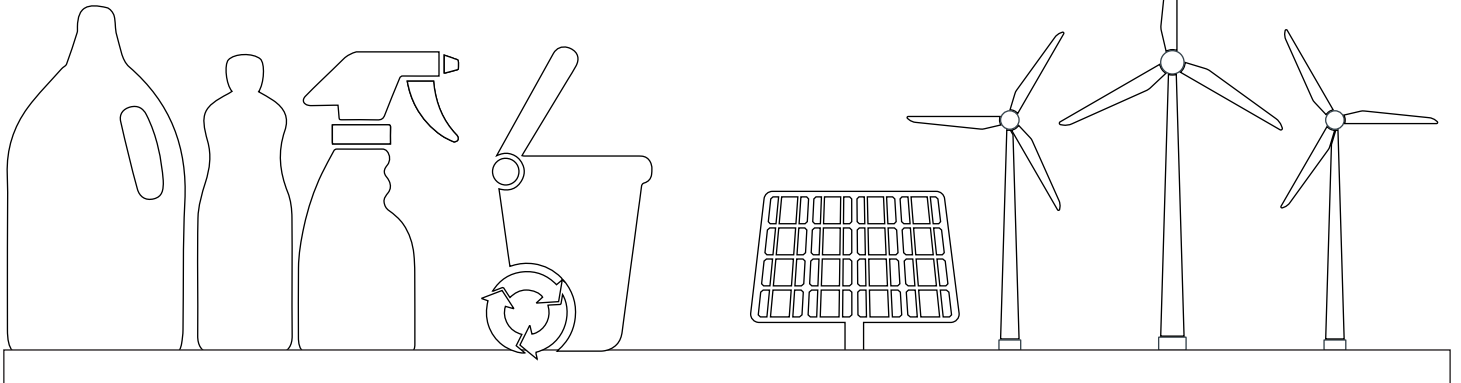
Apple is committed to reducing the use of hazardous chemicals in our products. We are working with our suppliers to identify and eliminate hazardous chemicals from our products. We are also working with our suppliers to identify and eliminate hazardous chemicals from our products.

Zero Waste to Landfill

Apple is committed to reducing the amount of waste that is sent to landfill. We are working with our suppliers to identify and eliminate waste from our products. We are also working with our suppliers to identify and eliminate waste from our products.

Supplier energy use

Apple is committed to reducing the amount of energy used by our suppliers. We are working with our suppliers to identify and eliminate energy waste from our products. We are also working with our suppliers to identify and eliminate energy waste from our products.





Package and Ship

iPad Air (5th generation) packaging is made with 100% recycled cardboard and 36% recycled wood fiber.

During production, packaging is made with 100% recycled cardboard and 36% recycled wood fiber. iPad Air packaging is made with 100% recycled cardboard from 100% recycled wood fiber. iPad Air packaging is made with 100% recycled cardboard from 100% recycled wood fiber. iPad Air packaging is made with 100% recycled cardboard from 100% recycled wood fiber.

97%

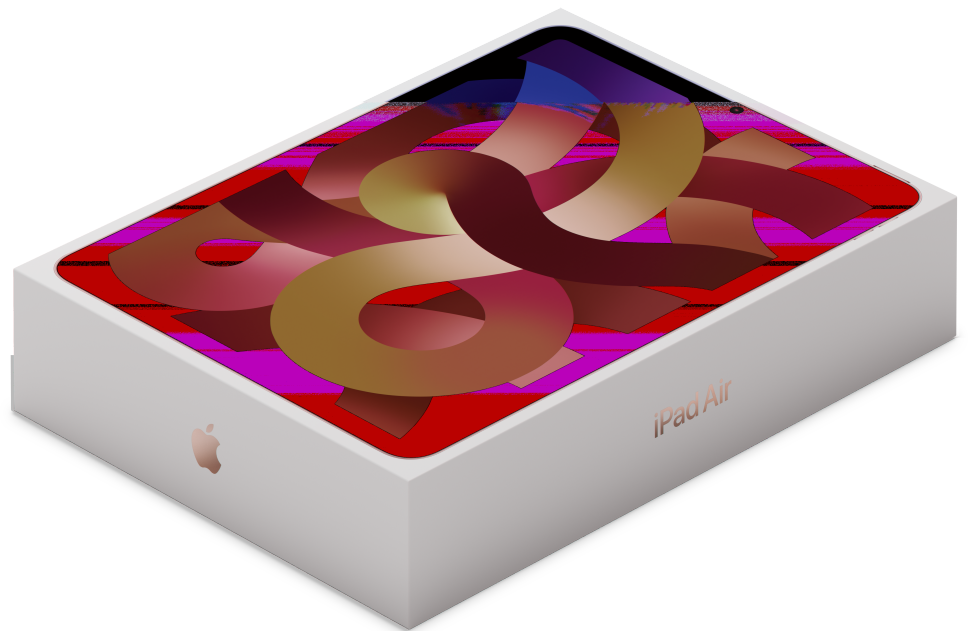
of iPad Air packaging¹¹ is fiber-based and does not use virgin wood fiber in iPad Air packaging.

36%

of recycled cardboard in iPad Air packaging.

100%

of virgin wood fiber in iPad Air packaging comes from 100% recycled wood fiber.





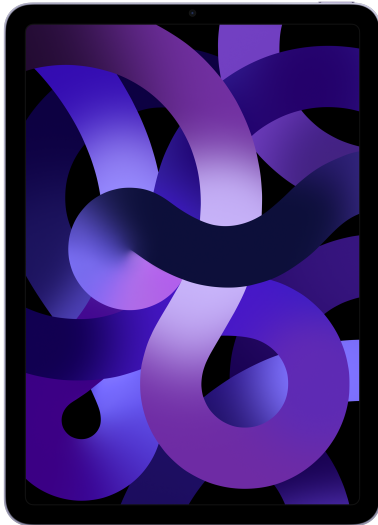
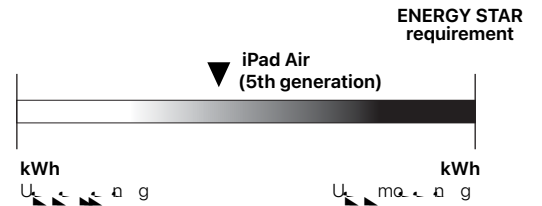
Use

Product life cycle (including use) is a key component of the ENERGY STAR¹² program.

When you purchase a product, you are also purchasing a product that is designed to last. This means that the product will last longer, use less energy, and be easier to repair. This is why ENERGY STAR¹² products are designed to last.

Energy consumption of ENERGY STAR-rated products

ENERGY STAR¹² products are designed to last longer, use less energy, and be easier to repair. This is why ENERGY STAR¹² products are designed to last.



Designed to last

The iPad Air (5th generation) is designed to last longer, use less energy, and be easier to repair. This is why ENERGY STAR¹² products are designed to last.

Made with smarter chemistry

The iPad Air (5th generation) is made with smarter chemistry, which means it uses less energy and is easier to repair. This is why ENERGY STAR¹² products are designed to last.



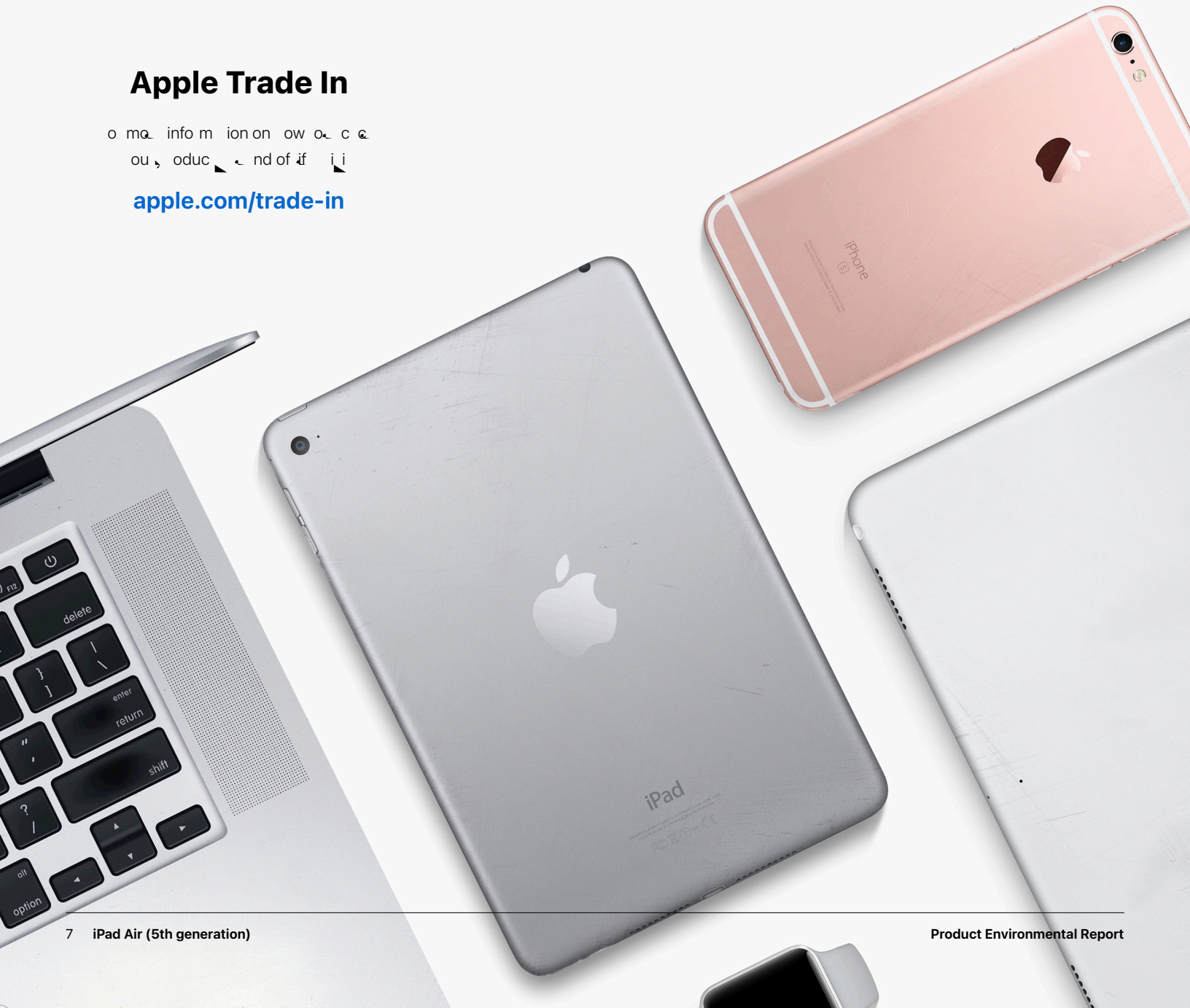
Recover

Recovery of products is a key part of our environmental strategy. We work with our suppliers and customers to ensure that our products are designed for recovery and reuse.

We are committed to reducing our environmental footprint and increasing the use of recycled materials. We work with our suppliers to ensure that our products are designed for recovery and reuse. We are committed to reducing our environmental footprint and increasing the use of recycled materials. We work with our suppliers to ensure that our products are designed for recovery and reuse.

Apple Trade In

For more information on how to trade in your old device, visit apple.com/trade-in



Definitions

Bio-based plastics: io-b e d s ic e m d f om bio ogic 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 oug e fo ming c i k i k mo j nd mu ic s 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 u d 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 c o (e)

End-of-life processing: Incud n e o ion f om c a c ion ub a c c ing c r e nd e e a g u d in r a c n i c s s ion nd e dding of, o m a i n f o m i o n o n e c bonfoo s 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 m i a d m e i R c e d c o r n c i m f o m e i u e d in o u s o d u c e b e n e i f i d b n i n d e n d n i d s o e c e d c o r 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 e 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 oug bio-m e i e e b i i a e g ow e e n o 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 in u o u s o d u c ion wi ou d s e ing e e ' e ou c e w w f o c u s on ou c e c i f i d f o e i m n g r a n s c i c

Supplier Clean Energy Program: Sinc e e e c i c i u d o m k ou s o d u c i e g con ibu o o ou a c bonfoo s in w l e s ingou u s s i b cor a m a e a g e f f i c i n nd n i ion o a w e a w l e a g ou c . W l e commi d o n i ioning ou n e 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 o d u c 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 o d u c s ck ging.

Transport: Incud i nd e n e o ion of e fini e d s o d u c nd i o c i e d s ck ging f om m nuf c u ing i a e gion d i ibu ion ub e n e o of s o d u c f om d i ibu ion ub a nd cu o r a i mod e d u ing e g d i n c b e d on e gion g og s .

Use: s s e um e e -o fou e e i o d fo s ow u e b f i o w a b e d on e s o d u c e . o d u c u e c n i o e b e d on i o i c cu o r a u e d fo i m i s o d u c . E a g u s i i mu e d in iou w fo e m e b mod ing

Endnotes

¹ s s e d fia i e i c ion on mfu ub nc including d fini ion fo w s s e con id o b "e e of" in e s s e R g u e d Sub nc s s e c i f i c ion. E e s s e s o d u c i e e of C nd s e e c s fo C s ow co d in Indi i nd fo 2 s ong C s ow co d) nd Sou s a w e e w con inu o e 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 o d u c con s wi e Eu e n Union D e c k 2 11 / E U n d i r a n d r a n including e m i ion fo e u e of d u c ig 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 w e e c n i c s o i l e .

² i d i g a ion) c d e d God ing in e Unl d S e nd C n d in cco d nc wi IEEE 1 8 .1 o U 11 nd i j e d u c on e e c onic o d u c En i on r a n e e r a n o o (E E) R g i . E E e g e con s u e d i e nd mobi s o a b e d o r e n i on r a n e qui ra n in e e nd d e o m a i n f o m i o n i i www e . a .

³ G e n ou g e m i ion w e c cu e d u ing if c e e r a n r a o d o g in cco d nc wi IS 14 4 nd 14 44 nd d nd b e d on i d i g a ion) nd d configu ion wi 4G o g . W o f n u d e ou c bonmod a e g a w in f o m i o n e u ou e im e fo e c bonfoo s in of e s e iou g a ion-i d i g a ion) wi 4G o g configu ion-ina e d f om 82 kg C e e ub i e d in i o d u c En i on r a n R s o) o 88 kg C e .

Carbon footprint		
	iPad Air (5th generation)	iPad Air (4th generation)
4G	8 kg C e	88 kg C e
128G	84 kg C e	-
2 4G	2 kg C e	1 2 kg C e

Endnotes

4 i d i (A g a ion) w u d fo com i on e mo e c n e e d nd imi d ic . e s oduc ion i d i (A g a ion) nd d configu ion wi 04G o g w com e d o i s ingi d i (A g a ion) nd d configu ion wi 04G o g configu ion inc e e e e wo ow o g configu ion off e d.

W m s m e i in ou u s c in nd s ubi i of id n i f i d in n um ung e n nd god (B G) cob nd i um ra e nd e fia in ou u s c in i d s ra n e k o confi m ou cing s c ic nd e s of ou e s on i la ou cing s og m. In ddi ion ou e ffo con id b o d ng of i k including oci e n ion n a n um n ig nd go n n c i k.

6 R c e d m e i c im s s i o e n c o u nd i b e d on u di ing do a b U C.

7 C mic ra e G e n S a e n @ b n c m k 3 o 4 o o e e qui e n r a o do og i k U.S. E S f C o i c e con id e d f nd s e f e d fo u e G e n S a e n @ i com e e n i e d e ra n o o e u e ub n c g in 18 diff e n c i i . o m a e i n f o m i o n i i www.g-n.com o g.

8 e b i e d fin e mb u s i i o o e e b e n s e u s i fo m a n o a e - fo i d i (A g a ion) e i d s e i f i d e o W e b U C (2 7 2 9 S nd d). U e qui e e e c n d e ion ou g ra od o e n w e a a g o c i e e o W e o nd f i e e 4 e c n God e e c n nd inum 1 e c n) d ign ion.

9 R s on i la ou cing of wood fib i d fia d in s e ' S u in la i b S e cific ion. W con id wood fib o incud b mboo.

10 o m a e i n f o m i o n bou ou wo k o s a e c nd a e e e on i b m n g d fa e e d ou Enionran.org 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 c ud d.

12 E a g con um ion nd a g e f f i a i n c u e b e d on e ENERGY S _ R og m R qui ra n fo Com u including e m e a g ow n c fo i d i (A g a ion). o m a e i n f o m i o n i i www.a-g.com. ENERGY S _ R nd e ENERGY S _ R m k e e g i e d d m k o w a d b e U.S. En ion n a n a e c i a n g n c .

i d i (A g a ion) i e e d wi fu c g d b e nd s ow e d b e 2 W US -C ow d s e wi e US -C o C g C l a (m).

→ S e s , ow ow e i e r e d u o m i c e w o m i n u of in c i i (d f u) o b s e i n g e S e s / W k bu on. Con a e d o Wi- i o e e i n g w e e f in e i d f u e .

→ I d -D i s on D i s big a w e d fia d b ENERGY S _ R og m R qui ra n fo Com u nd u o- ig a w u a d off. Con a e d o Wi- i o e e i n g w e e f in e i d f u e .

→ ow d s e no- o d Con d i o n i n w i c e 2 W US -C ow d s e wi e US -C o C g C l a (m) i con a e d a C s ow bu no con a e d o i d i (A g a ion).

→ ow d s e e f f i a i n c e g of e 2 W US -C ow d s e wi e US -C C g C l a (m) ra u d f f i a i n c w 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 s u c u e n .

Power consumption for iPad Air (5th generation)			
Mode	100V	115V	230V
S e s	.44W	.44W	.42W
I d -D i s on	3.3W	3.3W	3. W
ow d s e no- o d	. 4W	. 4W	. W
ow d s e e f f i a i n c	80.8	87.0	87.8

13 _ d -in u b e d on e con d i o n e nd configu ion of ou d -in d ic nd m o b w e n on i a nd in- a d -in. You mu b e 18 e o d. In- a d -in e qui e s e n ion of id go n n a n i u d s o o D o c w m e qui i n g i n f o m i o n) d d i o n e m f o m s s e o s s e d -in s a m s s .

© 2 2 2 2 Inc. i g e e d s s e e s s e o g o . c e . c o g o i o a i d s s e W c H o r a o d s s e _ i S i d S m c S S S nd w c S e d m k of s s e Inc. e g i e d in e U.S. nd o e coun j nd e gion i d i (A g a ion) i d m k of s s e Inc. s s e S a i e i c m k of s s e Inc. e g i e d in e U.S. nd o e coun j nd e gion ENERGY S _ R nd e ENERGY S _ R m k e e g i e d d m k o w a d b e U.S. En ion n a n a e c i a n g n c . e s oduc nd com n n ra ra n ion d e e in m b d m k of e i e e c k com ra i .