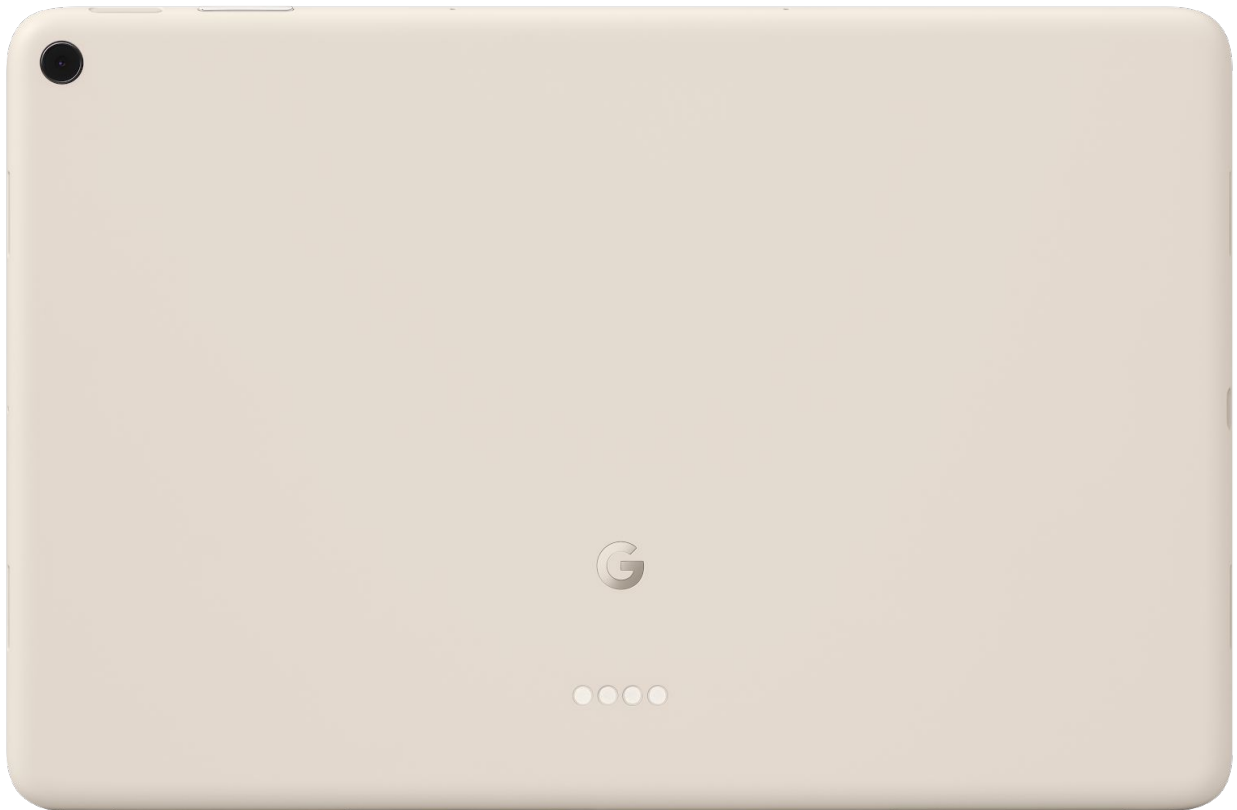




Pixel Tablet  
Product environmental report



## Environmental sustainability at Google

At Google, operating in an environmentally sustainable way has been a core value from the beginning. As our business has evolved to include the manufacturing of electronic products, we've continually expanded our efforts to improve each product's environmental performance and minimize Google's impact on the world around us.

This report details the environmental performance of the Pixel Tablet over its full life cycle, from design and manufacturing through usage and recycling.

## Product highlights



ENERGY STAR®  
for Computers,  
Version 8.0<sup>5</sup>

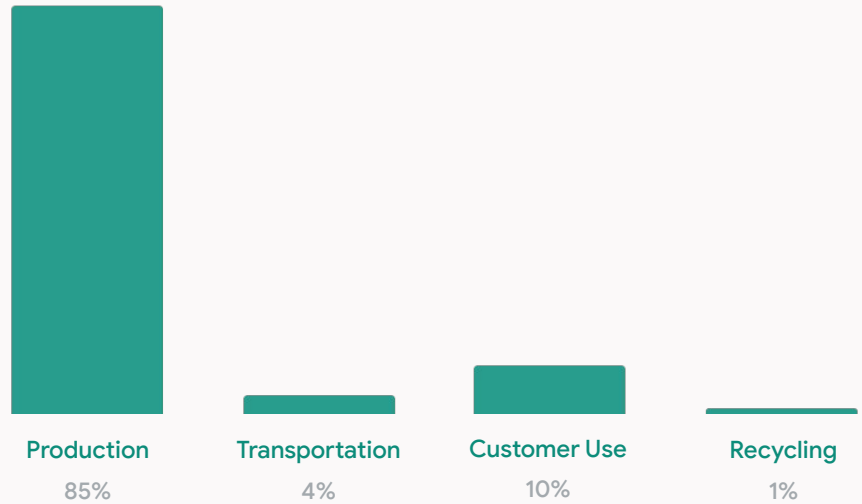
The Pixel Tablet is designed with the following key features to help reduce its environmental impact:

- ✓ PVC-free<sup>1</sup>
- ✓ Brominated Flame Retardant (BFR)-free<sup>1</sup>
- ↻ Docking magnets are made with 100% recycled rare earth elements<sup>2</sup>
- ↻ Designed with recycled aluminum to reduce its carbon footprint<sup>3</sup>
- ⚡ 100% plastic-free packaging<sup>4</sup>
- ⚡ ENERGY STAR®<sup>5</sup>

## Greenhouse Gas (GHG) emissions

The production, transportation, use, and recycling of electronic products generate GHG emissions that can contribute to rising global temperatures. Google conducted a life cycle assessment on this product to identify materials and processes that contribute to GHG emissions, with the goal of minimizing these emissions.

Estimated GHG emissions for Pixel Tablet assuming three years of use:<sup>6</sup> 54 kg CO<sub>2</sub>e



## Energy efficiency

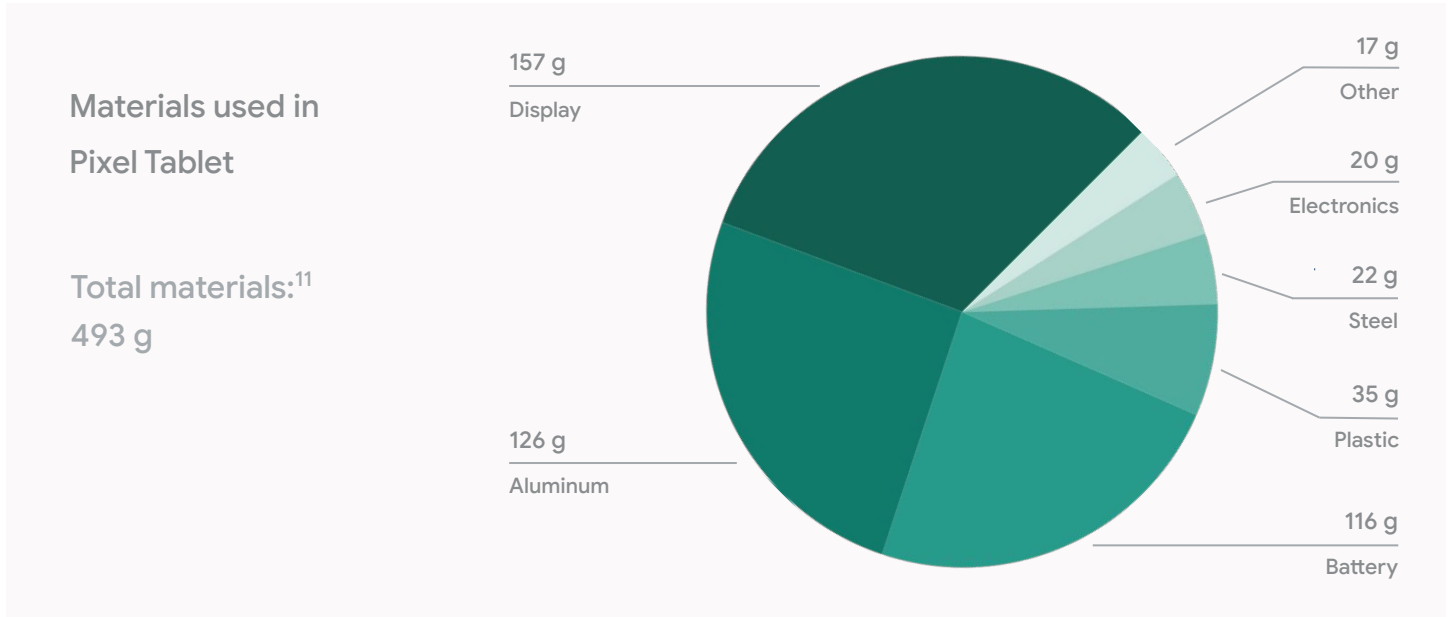
The Pixel Tablet incorporates power-management software to maximize battery-charging efficiency and extend battery life during use.

### Energy efficiency of Pixel Tablet

	115 V, 60 Hz	230 V, 50 Hz
Standby mode (battery maintenance mode) <sup>7</sup>	0.13 W	0.22 W
Annual energy use estimate <sup>8</sup>	4 kWh	4 kWh
Annual cost of energy estimate	US\$0.62 <sup>9</sup>	€1.42 <sup>10</sup>

## Material use

Pixel Tablet is designed to be light and compact. Minimizing the size and weight of the Pixel Tablet allows materials to be used more efficiently, thereby reducing the energy consumed during production and shipping as well as minimizing the amount of packaging.



## Recycled materials

- Pixel Tablet is made with over 30% recycled materials based on product weight
- Pixel Tablet's docking magnets are made with 100% recycled rare earth elements<sup>2</sup>
- The aluminum in the housing is 100% recycled content<sup>12</sup>

## Battery

- Lithium-ion polymer

## Restricted substances

Historically, many electronic devices contained materials such as lead, mercury, cadmium, and brominated flame retardants that pose environmental and health risks. We designed Pixel Tablet to meet global regulations that restrict harmful substances, including the following:

- ✓ European RoHS Directive restrictions on lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), and four different phthalates (DEHP, BBP, DBP, DIBP)
- ✓ European Battery Directive restrictions on lead, mercury, and cadmium in batteries
- ✓ European Packaging Directive restrictions on lead, mercury, cadmium, and hexavalent chromium in packaging

## Voluntary substance restrictions

Pixel Tablet also meets the following voluntary substance restrictions:<sup>13</sup>

- ✓ PVC-free<sup>1</sup>
- ✓ Brominated Flame Retardant (BFR)-free<sup>1</sup>

## Packaging

Packaging for the Pixel Tablet uses 100% plastic-free materials.<sup>4</sup> The greyboard used in the box base and lid is made with 100% recycled content. We have designed the Pixel Tablet packaging to minimize its weight and volume, which helps conserve natural resources and allows more devices to be transported in a single shipping container.

## Ethical sourcing

Google and its subsidiaries are committed to ensuring that working conditions in our operations and in our supply chains are safe, that all workers are treated with respect and dignity, and that business operations are environmentally responsible and ethically conducted. Learn more about our expectations for manufacturing partners in the [Google Supplier Code of Conduct](#), our [2023 Supplier Responsibility Report](#), and our [Conflict Minerals Policy](#).

## Learn more

For more information about our environmental sustainability initiatives— including case studies, white papers, and blogs—please see our [Sustainability website](#) and our [2023 Environmental Report](#).

Learn how to recycle your used device in the [Google Store Help](#) section of our website.

## Endnotes

1. Google defines its restrictions on harmful substances in the [Google Restricted Substances Specification](#).
2. Magnets contain 100% recycled rare earth elements, but the majority of the magnet weight consists of other materials.
3. Carbon footprint reduction claim based on third-party verified life cycle assessment performed in 2023. Recycled aluminum in the housing is approximately 25% of product based on weight.
4. Based on retail packaging (excluding adhesive materials and required plastics stickers) as shipped by Google. To meet the request of some retail partners, stickers and/or security tags are applied to some packaging variations and may contain plastic.
5. This product is ENERGY STAR® certified in the United States and Canada. ENERGY STAR® and ENERGY STAR® mark are registered trademarks owned by the U.S. Environmental Protection Agency.
6. GHG emissions estimates are calculated in accordance with ISO 14040 and ISO 14044 requirements and guidelines for conducting life cycle assessments, and include the production, transportation, use, and recycling of the product, in-box accessories, and packaging.
7. Power measured with tablet connected to WiFi network in standby mode with fully charged battery and attached to the power adapter. Tested in accordance with the [U.S. DOE Uniform Test Method for Measuring the Energy Consumption of Battery Chargers](#).
8. Estimated energy use is based on fully charging the device twice a week, plugged in for 8 hours each charging session.
9. The average residential cost of energy for U.S. households was \$0.16 per kWh in January 2024 (source: [U.S. Energy Information Agency](#)).
10. The average household cost of energy for consumers in the EU-27 was €0.29 per kWh in the second half of 2023 (source: [Eurostat Statistics Explained](#)).
11. Product material masses are for the Pixel Tablet only, excluding packaging and accessories. For the U.S. configuration, an additional 51 g of electronic accessories can be included in-box.
12. Recycled aluminum is at least 25% of the Pixel Tablet based on weight.
13. Google continues to restrict arsenic content in glass, mercury in displays, and heavy metals (lead, cadmium, and mercury) in batteries as listed in [Google's Restricted Substances Specification](#).