

INTERNATIONAL PEACE COMMISSION (IPC)

E-Waste Recycling & Sustainability Handbook

Community Environmental Responsibility & Sustainable Action Guide

Message from the World

Chairman

"As World Chairman of the International Peace Commission (IPC), I believe deeply that peace is built not only through dialogue and cooperation, but also through our shared responsibility to protect the planet we call home. Environmental stewardship is a foundation of lasting peace, and today's global challenges demand bold, collective action from every community and every individual.

Electronic waste is one of the fastest-growing environmental threats of our time. Yet within this challenge lies a powerful opportunity — the opportunity to reduce pollution, safeguard public health, and expand digital access for families and students who need it most. Through responsible recycling, sustainable consumption, and community education, we can transform e-waste from a global burden into a force for positive change.

This handbook reflects IPC's commitment to sustainability and our mission to empower communities with the knowledge and tools needed to take meaningful action. Together, we can build a cleaner environment, a healthier society, and a more peaceful world — one device, one household, and one community at a time."

— Prince Hassan

World Chairman, International Peace Commission (IPC)
Devoted to International Peace and Prosperity

1. What Is E-Waste?

Electronic waste — or e-waste — refers to discarded electronic devices and components, including:



- Computers, laptops, and tablets
- Mobile phones and accessories
- TVs, monitors, and printers
- Routers, modems, and cables
- Household electronics and small appliances



As technology evolves rapidly, millions of devices become obsolete each year. Without proper recycling, these items create environmental and health hazards.

2. Environmental Risks of Improper Disposal

- **Toxic Chemical Leaks:** E-waste contains hazardous materials such as lead, mercury, cadmium, flame retardants, and lithium batteries. These toxins contaminate soil, water, and air, harming ecosystems and human health.
- **Landfill Overload:** Electronics take decades to break down, contributing to landfill expansion, soil degradation, and long-term pollution.
- **Air Pollution:** Burning e-waste releases carcinogenic fumes, greenhouse gases, and heavy metal particles. This affects respiratory health and accelerates climate change.

3. Benefits of Recycling Electronics

-  **Resource Recovery:** Electronics contain valuable materials like gold, silver, copper, aluminum, and rare earth metals. Recycling reduces the need for mining and conserves natural resources.
-  **Reduced Pollution:** Proper recycling prevents toxic chemicals from entering the environment.

-  **Community Impact:** Certified recyclers like PCs for People refurbish devices to provide affordable computers to low-income families, technology access for students, and digital inclusion for underserved communities.
-  **Climate Protection:** Recycling reduces carbon emissions, energy consumption, and environmental footprint.

4. Sustainable Consumption Practices

- **Buy Responsibly:** Choose durable, repairable devices, avoid unnecessary upgrades, and support brands with sustainability commitments.
- **Extend Product Life:** Repair instead of replace, use protective cases, and maintain batteries properly.
- **Choose Energy-Efficient Devices:** Look for ENERGY STAR certification and low-power consumption ratings.

5. Responsible Donation & Refurbishment

- **Donate:** Working devices can be donated to schools, community centers, nonprofits, and low-income families.
- **Refurbish:** Certified refurbishers can securely wipe data, replace parts, and restore functionality.
- **Partner Organizations:** IPC encourages collaboration with certified recyclers such as PCs for People, local municipal recycling centers, and state-approved e-waste facilities.

6. Earth Day & Environmental Responsibility

Earth Day is a global reminder of our shared responsibility to protect the planet. IPC promotes:

- Free e-waste recycling drives
- Community clean-up events

- Environmental education workshops
- Youth engagement in sustainability

Your participation helps reduce pollution and build a cleaner, healthier world.

7. Community Participation

How Communities Can Help:

- Organize local e-waste collection events
- Educate residents on recycling options
- Promote responsible consumption
- Encourage schools to host sustainability programs
- Support digital inclusion initiatives

IPC Community Programs:

IPC partners with youth groups, schools, local governments, and environmental organizations. Together, we build awareness and drive action.

8. SDG Alignment

IPC's e-waste and sustainability initiatives support multiple UN Sustainable Development Goals, including:

- **SDG 3 — Good Health & Well-Being:** Reducing toxic exposure improves community health.
- **SDG 4 — Quality Education:** Refurbished devices support digital learning.
- **SDG 11 — Sustainable Cities & Communities:** Promotes responsible waste management.
- **SDG 12 — Responsible Consumption & Production:** Encourages recycling and sustainable habits.
- **SDG 13 — Climate Action:** Reduces emissions and environmental impact.

- **SDG 17 — Partnerships for the Goals:** Collaborations with recyclers, nonprofits, and communities strengthen global action.

9. How Individuals Can Help

- ✓ **Recycle electronics responsibly:** Use certified e-waste centers or IPC partner programs.
- ✓ **Donate working devices:** Support digital inclusion.
- ✓ **Reduce consumption:** Buy only what you need.
- ✓ **Repair before replacing:** Extend device lifespan.
- ✓ **Educate others:** Share knowledge with family, friends, and community.
- ✓ **Participate in IPC events:** Join Earth Day drives, workshops, and sustainability campaigns.

10. IPC Sustainability Commitment


The International Peace Commission is committed to:

- Promoting environmental responsibility
- Supporting community recycling initiatives
- Expanding digital inclusion through refurbished technology
- Educating youth and communities on sustainability
- Partnering with certified recyclers and global organizations
- Aligning all activities with the UN Sustainable Development Goals

IPC believes that peace and sustainability are inseparable — a healthy planet is essential for peaceful societies.

International Peace Commission (IPC)

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*“Together we build peace through sustainable
action.”*