

Electronics Collection Events

With the support of municipalities, Northampton County Dept. of Public Works is currently able to offer collection events throughout the year to properly dispose of unwanted electronic devices and E-waste.

For more information visit:
www.northamptoncounty.org

2018 Dates & Locations:

- April 28th • 500 Bushkill Dr., Easton 18042
- May 5th • 355 Tatamy Rd., Nazareth 18064
- Sept. 8th • 345 Illicks Mill Rd., Bethlehem 18017
- Sept. 22nd • 1601 Laubach Ave., Northampton 18067
- Oct. 6th • 910 W. Pennsylvania Ave., Pen Argyl 18072

- ◆ Collection Events are 9am-12pm

ACCEPTED ITEMS:



- Batteries: Lead Acid, Alkaline
- Fluorescent, Metal Halide, High Intensity, High Pressure Sodium Lamps
- LCD & CRT Televisions, Computers & Monitors: PCs & laptops
- Office Equipment: copiers, telephone & fax machines
- Computer Peripherals: keyboards, printers, scanners, cables, mouses
- Consumer Electronics: tape players, VCRs, PDAs, stereo equipment, radios, cell phones, etc.
- Media Storage: VHS tapes, cassette tapes, CDs, etc.
- Microwave ovens

UNACCEPTED ITEMS:

- Oscillating Fans
- Desk & Floor Lamps
- Small Kitchen Appliances
(toaster, toaster over, blender, mixer, etc.)
- Hair Dryers
- Curling Irons
- Vacuum Cleaners

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Electronics Recycling



2018

Northampton County
Dept. of Public Works
Environmental Services

Heavy Metals	Occurrence in E-Waste
Arsenic	Small quantities in the form of gallium arsenide within light emitting diodes printer/copier drums
Barium	CRT Getters, Plasma TVs
Beryllium	Power supply boxes containing silicon controlled rectifiers, x-ray lenses, microwaves w/ ceramic insulators
Cadmium	Rechargeable NiCd-batteries, CRT screen phosphor powder, printer inks & toners, photo copiers (printer drums)
Chromium VI	Data tapes, floppy disks, Plasma TVs
Cobalt	Plasma TVs and batteries
Lead	CRT funnel, CRT frit, some Plasma TVs, batteries, printed wiring/circuit boards
Mercury	Fluorescent lamps- backlighting in LCDs, CFLs, other lamps, mercury vapor, neon, ultraviolet digit light processing TVs, thermometers, thermostats, barometers, medical equipment electronic games and toys
Nickel	Rechargeable Nickel Cadmium (NiCd) batteries, Nickel Metal Halide (NiMH) batteries, Plasma TVs
Zinc	Batteries, Plasma TVs

Acids & Caustics Occurrence in E-Waste

Sulfuric Acid	Lead acid batteries
Potassium hydroxide/ Sodium hydroxide	Batteries: Alkaline, nickel cadmium, nickel metal halide

Coolants Occurrence in E-Waste

Ethylene glycol & Propylene glycol	Projection tubes
Silicon oils	Transformers



An **electronic device** is anything with a circuit board- products with digital displays or programmable features. Pennsylvania instituted a law called the Covered Devices Recycling Act which prohibits residents from disposing of covered devices as trash, and bans haulers from collecting these items as trash. They must be recycled at an approved facility.

Covered devices include: Desktop Computers, Laptops, Monitors, Computer peripherals (keyboard, mouse, printer, speakers, etc.), Televisions, E-readers.

Other types of electronic waste include: cameras, cell phones, cell phone peripherals (chargers, batteries, Bluetooth ear pieces, air cards, clips, cases, etc.), DVD and VCR players, MP3 players, iPods, PDA's, portable electronic game players and video game consoles, stereos, CDS players, turntables, amplifiers, speakers, etc..



An average American household has about 25 electronic devices, as well as all the electronics used by businesses and institutions. Millions of these devices become obsolete each year. That is one reason why electronic waste is the fastest-growing waste stream in the United States.



Before recycling your computer or laptop protect yourself and your data. When selling, donating, or scrapping your old computers, be sure to remove all your personal or business data.

- Delete or destroy the entire hard drive, files deleted by dragging them to the recycle bin desktop icon can be easily recovered, via program software.
- Use a secure file deletion program to ensure the data can not be recovered. Delete all storage media: hard drives, tapes, etc. that are going with the computer.
- Always back up your data first.



Chemical Hazards Found in E-Waste

E-Waste component	Potential Hazard	Potential health effects from long-term exposure
Cathode ray tube (CRT) glass, Batteries, solder, older printed circuit boards	Lead dust	Anemia, kidney damage, high blood pressure, nerve and brain damage, Miscarriage, birth defects
Batteries, switches, thermostats, Fluorescent tubes	Mercury vapor	Nerve and brain damage, birth defects
Nickel-cadmium batteries, printed circuit boards, phosphor coating on CRT glass	Cadmium dust	Kidney disease, bone problems, lung cancer
Older printed circuit boards	Beryllium dust	Lung disease, probably lung cancer
Plastic cases and parts	Flame retardant dust	Possible thyroid hormone problems