

ELECTRONICS PRODUCTS, DEFINITIONS, & FEES





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Pursuant to the *Environmental Protection and Enhancement Act*, <u>Electronics Designation Regulation</u> and the <u>Electronics Recycling Bylaw</u>, environmental fees must be remitted on all sales/supplies of designated eligible electronics in or into Alberta. "Electronics" means all electrical and electronic equipment or devices, whether intended for consumer, industrial or commercial use.

The following table provides definitions and examples of eligible electronics. This is not considered an exhaustive list. Products identified are examples based on Supplier inquiries. If you require assistance in verifying if a particular electronic product should be charged an environmental fee, please contact ARMA at 1-888-999-8762 or by email at electronics@albertarecycling.ca.

	Additional Information	Products Included	Products Excluded
COMPUTERS AND SERVERS Fee up to March 31, 2025: \$2.00 Fee April 1, 2025 – March 31, 2026: \$0.45	This category includes, but is not limited to: CPUs/servers which are not physically embedded or contained within industrial, commercial point-of-sale (POS), medical imaging, diagnostic, monitoring or control equipment. Computer peripherals (e.g., keyboard, mouse, cables, computer docking stations) are included for recycling but no	Products Included CPUs/servers Blade (rack mount), desktop and floor standing servers Computer terminals Desktop computers acting as servers Desktop computers Desktop/tower servers Microcomputers Minicomputers (Mini PCs) Nettop computers Server modules Small office tower servers	Products Excluded KVMs Print servers Processor chips/microprocessors Stick PCs
	environmental fee is applied. For 'all-In-one computers' see 'Visual display devices' below.		



	Additional Information	Products Included	Products Excluded
LAPTOPS / TABLETS / NOTEBOOKS (PORTABLE COMPUTERS) Fee up to March 31, 2025: \$0.80 Fee April 1, 2025 – March 31, 2026: \$0.30	Tablet definition: • A portable computer with an integrated touch screen display which can connect wirelessly, WiFi and/or via cellular network for purposes of data exchange and transfer. A tablet does not have cellular phone capability.	 Lapdocks Laptops Mini notebooks Netbooks Notebooks Notepads POS tablets Tablets Thin clients - effective date:	Calculators Cellular enabled PDAs E-Book readers Portable video conference devices

	Additional Information	Products Included	Products Excluded
VISUAL DISPLAY AND ALL-IN-ONE DEVICES • LESS THAN 30" SCREEN Fee up to March 31, 2025: \$2.50 Fee April 1, 2025 – March 31, 2026: \$1.30 • 30" SCREEN OR LARGER Fee up to March 31, 2025: \$6.00	 This category includes, but is not limited to: All-in-one devices. Devices with built-in components necessary to operate as a monitor. Processing units combined with a monitor. Closed circuit monitor screens (security or multi-purpose). Devices with a television tuner or a device that can operate as both a computer monitor and 	 3D displays All-in-one computers Closed circuit monitor screens Combination TV/DVD or TV/VHS players Computer monitor used with a POS systems Computer monitors Digital interactive monitors with touchscreen Capabilities Dual monitors (fee applies per monitor) 	 3D glasses Digital photo frames Mobile/person gaming environment/devices OEM televisions supplied on the original sale of a recreational vehicle Monitors and TVs designed for use solely in a motor vehicle, boat, or RV, such as: In-vehicle DVD monitors, DVD navigation systems Portable DVD players with
Fee up to March 31, 2025: \$6.00 Fee April 1, 2025 – March 31, 2026: \$2.75	 Visual display devices which are not physically embedded or contained within industrial or commercial equipment for 	 Graphics tablets with displays POS all-in-one computers POS touchscreen monitors Professional display monitors 	 Portable DVD players with display Portable video conference devices Refrigerators with built in TV Wireless inspection devices/cameras
	Continued on next page	Continued on next page	



	Additional Information	Products Included	Products Excluded
Visual display and all-in-one devices continued	example POS, medical imaging, diagnostic, monitoring or control equipment, ATM kiosk, selfservice kiosk, gas station pump.	 Robust panel PCs Security system monitors with integrated DVR Televisions including Smart TV's Video baby monitors Smart Displays e.g., Google Nest Hub 	

	Additional Information	Products Included	Products Excluded
PRINTERS / COPIERS / SCANNERS / FAX Fee up to March 31, 2025: \$3.00 Fee April 1, 2025 – March 31, 2026: \$1.65	This category includes, but is not limited to: • All printers/printer combinations weighing less than 1,000 kilograms. • Large multi-function printer copiers: document centres and facsimile machines with computer direct or networked printing function. • Standalone photocopiers, fax machines, and scanners. • Printers which are not physically embedded or contained within industrial, commercial POS, medical imaging, diagnostic, monitoring or control equipment, ATM kiosks, self-service kiosks, exercise equipment, refrigerators.	 Camera dock printers Cheque scanners Commercial plotters Desktop business card scanners Desktop label, barcode, card printers Desktop multi-function or "all-in-one" devices Desktop photo printer (including dock printers); desktop printers Desktop scanners Fax machine drum scanners Fax machines including desktop Fax machines/photocopiers Label, barcode, and card printers that are not handheld with computer-direct or networked printing function Thermal printers 	 3D printers ATM printers Cash registers Digital presses Film scanners Garment textile printers Handheld devices with a printing function (e.g., label makers, calculators) Handheld scanners Interac printers POS printers POS printers (label) POS terminals Printers that weigh more than 1,000 kilograms Typewriters



Effective April 1, 2025:

Category	Additional Information	Products Examples	
HOME SMALL APPLIANCES Fee April 1, 2025 – March 31, 2026: \$0.40 Electronic appliances included in the itemized list which are for personal / home use, or for business / commercial use.	Air Treatment Appliances Portable air treatment appliances for heating or cooling.	 Air conditioners, residential (products with freon not accepted) Air flow equalizers Air fresheners Desktop/Tabletop fans Gazebo patio heaters Heater/fan combos (with or without lights) Mist fans Oil-filled heaters Portable air cleaners Portable air movers 	 Portable air purifier/ionizers Portable dehumidifiers (products with freon not accepted) Portable fans Portable heaters Portable heaters or fireplaces built to resemble furniture, if powered by 120 V AC Portable humidifiers/ vaporizers Scent diffuser aromatherapy machines Window fans
	Designated Very Small Items Items which have an average weight that is significantly lower (less than 250 grams, not including packaging and batteries) than the products included in other categories (including small direct plug-in or battery-operated devices).	 Automatic air fresheners / scent diffusers Handheld frothers LED spinners Lint removers / clothing shavers Mini massagers 	 Mini table vacuums Mug warmers Personal fans Razors Small scales Toothbrushes
	Floor Cleaning – Small Floor and surface cleaning appliances - Small and/or handheld, or wall mounted.	 Automatic shower cleaners Automotive/car vacuum cleaners (12V) Brooms or sweepers (incl. Robotic) Bug vacuums Electric dustpans Floor/surface steamers (handheld) Pool cleaners (incl. robotic) 	 Robotic vacuums Robotic window cleaners Steam mops Stick vacuum cleaners Vacuum cleaners (hand-held) Wet-dry vacuum cleaners (under 15 L/3.96 gallon volume)



Home Small Appliances Continues	Floor Cleaning – Large Floor maintenance and carpet care appliances – Large. Garment Care Portable and non-portable garment care devices with a power cord and/or battery(ies).	 Canister vacuum cleaners Carpet cleaners/extractors Floor scrubber/polishers Floor/surface steamers (non-handheld) Active ironing boards Boot dryers / glove dryers Clothes shavers Garment sanitizers Garment steamers 	 Upright vacuum cleaners Wet hard floor cleaners Wet-dry vacuum cleaners (15 l/3.96 us gallons volume or larger) Irons (corded, cordless, travel, etc.) Pant presses Shoe brushes Towel warmers
	Home Office Home Office appliances with a power cord and/or battery and charger.	 (household/residential) Electronic calculators Laminators Pencil sharpeners 	ShreddersTypewriters
	Home Security and Monitoring Devices used for monitoring air and movement activity.	Smart code / keyless entry deadbolts	 Home security systems – (not including cameras and monitors which are eligible under different categories)
	Kitchen Countertop Motorized Countertop appliances non-heating with a power cord and / or battery and charger.	 Beverage fountains Blenders / smoothie makers Can/jar openers Cheese makers Coffee grinders Cookie presses Countertop composters Countertop milk frothers Drink mixers/makers Electric knives Electric spiralizers Food bag openers Food processors/choppers/slicers Germ killing cutting boards 	 Hand mixers/ immersion blenders Ice cream maker/whippers Ice crushers Jar openers Juice extractors/presses Knife sharpeners Meat grinders Pasta makers Potato peelers Spice grinders/mills Stand mixers Wine bottle openers Yogurt makers



Home Smally Appliances Continues	Kitchen Countertop Heating Countertop appliances heating, with a power cord and / or battery and charger.	 Air fryers Baby bottle warmers Baby wipe warmers Barbeques (electric) Bottle steam sanitizers Bread makers Buffet warmer trays Chocolate fountains Coffee urns Coffee makers Contact grills Cotton candy makers Countertop ovens Countertop rotisserie ovens Crème brulé makers Deep fryers Double burners Drip coffee makers Egg cookers Electric smokers Fondue pots Food steamers Fry pan/griddles Heating coils 	 Hot plates Hot water dispensers (not requiring plumbing connection) Induction cookers Kettles Lunchbox stoves Mini hot-dog rollers Panini presses Popcorn makers (aka hot air corn poppers) Portable stoves/ranges Pressure cookers Raclette sets Rice cookers Sandwich makers Slow cookers Soup makers Sous vide machines Tabletop grills Tea makers Toasters Toaster ovens Toaster waffle irons Woks
	Microwave Ovens	Hot beverage makers Countertop and/or cabinet-mou	nted microwave ovens.
	Personal Care Personal care appliances, including, without limitation, hair cutting and drying appliances, tooth care appliances, shavers and massagers, nail care, heating, cleaning.	 Automatic soap dispensers Beard trimmers Callus removers Curling irons/brushes Denture/toothbrush sanitizers Facial anti-aging devices Facial cleansing devices Facial saunas/tanners Continued on next page	 Hair shavers/removers Hair straighteners Heated footrests Hot rollers/curlers set Laser hair loss photo therapy combs Massagers Oral irrigators Continued on next page



Home Smally Appliances Continues	Personal Care Continued	 Flossing devices Foot baths Hair clippers/trimmers Hair crimpers Hair curlers Hair dryers Portable paraffin/hot oil baths (for household use) Razors (rechargeable or weighing 250g or more) Toothbrushes (rechargeable) Vanity mirrors with lighting Heating pads Nail dryers Ultrasonic cleaners
	Time Measurement Portable and non-portable devices for measuring time with a power cord and/or battery(ies).	Alarm clocks / wall clocksTimers
	Weight Measurement Portable and Non-Portable Devices for Measuring Weight with a power cord and/or battery(ies)	 Bathroom scales Food scales Luggage scales

Category	Subcategory	Products Examples	
Category AV / TELECOM / TOYS / MUSIC Fee April 1, 2025 – March 31, 2026: \$0.55 Any electronic devices/systems included in	Audio Visual Systems A device/system that can transmit, record and/or playback an image, audio, or video using a variety of technologies including mechanical, optical, and digital technologies and	AM/FM radios (including those with satellite capabilities) Amplifiers Analog & digital video cameras for security or other closed-circuit use Bar speakers (sound bars) Cable & satellite digital	 Horn speakers Intercoms (built in or wall mounted) Internet media streamers (e.g. Apple TV, Google, Chromecast, etc.) Karaoke machines Laser Disc players/recorders
the itemized list which are for personal/home use or for business/commercial use Audio visual peripherals (e.g., headphones, headsets, mini earphones, mini microphones etc.) are included for recycling but no environmental fee is applied.	that operates on battery power or is powered directly from the device they are connected to (i.e. a computer).	 Cable & satetite digital receivers Cassette or digital audio/voice recorders CD burners/duplicators Ceiling speakers and wall recessed speakers Citizen band radios Collision avoidance systems Continued on next page	 Multi-function radios that include CD, MP3, AM/FM or other audio functions Multi-function satellite radios that include CD, MP3, AM/FM radio or other audio functions Multimedia players/recorders Multimedia projectors/overhead projectors Continued on next page



AV / Telecom / Toys / Music Continued	Audio Visual Systems Continued	 Combination cassette players/recorders Combination multimedia players/recorders Combination TV/DVD or VHS players Digital cable equipment (e.g., cable boxes) Digital frames Digital video recorders (DVRs) Digital visualizers Disc (CD, DVD, Blu-ray, laser disc etc.) players/recorders Docking stations for portable digital players (e.g. MP3, MP4 players, etc.), smart phones and other portable devices Docking/compact/folding speakers (wired and wireless including Wi-Fi or Bluetooth e.g., USB computer speakers; solar powered iPods; iPhone dock stations) FM transmitters Frequency equalizers HD antennas Home audio/video playback and/or recording systems Home automation controllers Home speaker systems such as 5.1 and 7.1 speaker package supplied without amplifier or video player Home theater-in-a-box Home speaker systems with docking station e.g., sound dock system 	 Network cameras (e.g. front door camera) Non-portable audio docking stations Non-portable combination cassettes Non-portable Disc players/recorders (DVD, Bluray, etc.) Other digital music players/recorders Personal video recorders (PVR) Public address systems (including amplifier, mixer and speaker enclosure) Radar detectors Satellite radio receivers Set-top boxes Signage players Small satellite dishes Tely HDs Turntables/record players Video cassette players (VCRs) and/or video projectors Video management systems (multiple feeds on multiple monitors/TVs) Video monitor and camera systems Wideo playback devices Webcams / web cameras Video player systems Wideo player systems White noise machines Wi-Fi Internet radios Wireless HD audio/video kits
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AV / Telecom / Toys / Music Continued	Handheld A/V Handheld or portable devices that can transmit, record and/or playback an image, audio, or video using a variety of technologies including mechanical, optical, and digital technologies that operate on battery power, and/or have a power cord.	 Audio baby monitors Breathalyzers Cameras (digital or non-digital) Digital music recorders/players Digital notepads Digital photo key chains E-book readers Electronic dictionaries Global positioning system (GPS) receivers and components designed to be used for leisure or sports (e.g., hiking GPS) HD cameras and microphones Industrial or commercial handheld or mobile computing devices Lenses & flashes Magnetic stripe readers (sold individually) Media readers Odometers Personal FM transmitters Playback and/or recording systems Portable music devices Portable music devices Portable music devices Portable printers (e.g., portable photo printer, label maker, calculator with printing capabilities) Portable scanners (e.g., business card scanner; photo negative scanner) Portable stereos, including those enabled to connect to wireless internet Portable music devices Portable music devices Portable music devices Portable scanners (e.g., business card scanner; photo negative scanner) Portable stereos, including those enabled to connect to wireless internet Portable scanners (e.g., business card scanner; photo negative scanner) Portable music devices Portable scanners (e.g., business card scanner; photo negative scanner; Portable scanners (e.g., business card scanner; photo negative scanner; Portable scanners (e.g., business card scanner; photo negative scanner; Portable music devices Portable music devices Portable scanners Portable scanners Portable music devices Portable scanners Portable scanners Segative scanner; Saellite
	Vehicle Audio and Video Systems	 Car security systems Dash radios, DVD, CD and/or cassette players (including those with integrated satellite radio and/or GPS/navigation functions) Rear vision/back-up camera systems Remote car starters Standalone or dash GPS or other navigation systems designed specifically for use in a vehicle (e.g. automotive or marine receiver and components) Continued on next page



AV / Telecom / Toys / Music Continued	Vehicle Audio and Video Systems Continued	 Vehicle audio & video systems Vehicle audio & video systems Vehicle dash cameras 	(after-market)
	Electronic Toys & Music Electronic games, toys and musical instrument/accessories included in the itemized list which are for personal/home use or for business/commercial use. • Non portable electronic game systems made specifically for playing video games by connecting it to a display for video and sound. • Handheld electronic game systems made specifically for playing video games, and handheld accessories for nonportable systems. • Electronic musical instruments including stringed instruments with built-in active or passive electronics. Passive or active pickups, preamps, interconnects, controls or effects systems for stringed or keyboard instruments. Portable and non-portable keyboard instruments/controllers.	 Acoustic percussion instruments with built-in microphones Aftermarket preamps for new installations All electronic tuners, metronomes or combination devices, as well as tuner pickups Amplifiers, mixers, and speaker enclosures for musical instruments Audio backing modules Children's toy/learning computers DJ mixers and electronic audio devices (with built-in active or passive electronics) Drum triggers Drum trigger (passive) pads without controller Electronic 'silent' instruments or devices for silent practice or performance using acoustic wind or stringed instruments Electronic action accessories (i.e., electronic swords, blasters, etc.) Electronic action figures or dolls Electronic board or tabletop games Electronic cymbals Continued on next page	 Electronic toys, including toy vehicles Electronic under-saddle pickups Electronic stringed instrument amplifiers Electronic stringed instrument effects pedals Electronic stringed instruments (e.g., basses, guitars, etc.) Electronic stringed instruments with pickup or preamp, etc. Foot pedals for electronic keyboards Footswitches, active or passive direct boxes Impedance matching devices Interactive plush toys Joysticks Keyboards/digital pianos (electric or battery powered) Metal or hard plastic toys with electronics Midi controllers and devices Midi sound modules Multimedia controllers Electronic toy robots Off board preamp pedals Percussion instruments with built-in active electronics and power from battery, battery and cord or USB only, including cymbals, drums, etc.
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AV/Telecom/Toys/Music Continued	Electronic Toys & Music Continued	 Electronic drums Electronic hand percussion pads Electronic learning aids (i.e. electronic toy books) Electronic rhythm trainers or practice pads Electronic sound hole pickups Electronic toy apparels (electronic toy cameras Electronic toy key chains Electronic toy sports equipment (i.e. indoor electronic basketball backboards) Plush textiles with electronics Portable amplifiers, mixers, or pedal boards powered by battery, battery and cord, USB only, USB, or AC adapter Remote control vehicles Synthesizers Video game console controllers, balance boards, sensors and other input devices Video gaming consoles
	Telecom	backboards) Items in this list will apply to either the of the following categories dependent on the weight of the item: Telecom <2kg, Telecom 2kg, up to 50k or Telecom
	Electronic telecommunication devices included in the itemized list which are for personal/home use or for business/commercial use. A handheld mobile and/or stationary with a handheld/headset communication device that is used to transmit and receive sound (most commonly speech) or data signals. A device that is designed to record sound from incoming calls from a telephone line or VoIP (Voice over Internet Protocol) line. Accessory handsets/speakers/microphones. For telecom, a modem is defined as:	 >50kg, up to 200kg Cellular devices Cellular phones / smart phones Combo routers/modems Telephones requiring an electrical base station / handset cradle for battery charging and wire-line network connection Embedded multimedia terminal adapters (EMTAs) (a combination cable modem and telephone adapter) Ethernet switches, networking products (including security appliances and firewalls) Flash memory duplicators (for telecom use) Key fobs Modems Network security appliances & firewalls Pagers
	Continued on next page	Continued on next page



AV / Telecom / Toys / Music	A device that encodes digital	Phablet/smart phone hybrids
Continued	computer signals into	Range extenders
	analog/analogue telephone signals	Routers (for telecom use)
	and vice-versa and allows computers	Satellite phones
	to communicate over a phone line or	Speakers / convergence phones
	cable connection.	Tape storage systems
	Telecom < 2kg	Telephone amplifiers
		Telephone line answering machines that utilize cassette-based or digital
	IT or Telecom Equipment under 2kg.	recording technologies
		Telephone recording devices
	Telecom 2kg, up to 50kg	Telephony gateways
		Transmitters for telecom
	IT or Telecom Equipment 2-50 kg	USB speakerphones
		Video splitters for telecom
	Telecom > 50kg, up to 200kg	VoIP home phone services
		VoIP phone adapters
	IT or Telecom Equipment greater than	VoIP phones
	50 kg, up to 200kg	Wire line telephones including rotary and touchtone technologies
		Wireless access points
		Wireless audio/video transmitters / RF

Category	Subcategory	Products Examples	
TOOLS / LAWN / GARDEN Fee April 1, 2025 – March 31, 2026: \$0.65	 Lawn & Garden tools/equipment included in the itemized list which are for personal/home use, or for business/commercial use. Tools or equipment for lawn and garden care and maintenance with a power cord, plug and/or battery(ies). Excludes gas powered items. 	 Lawn mowers Trimmers (hedge; edge) Leaf blowers Snow blowers Rototillers 	 Chainsaws Pressure washers Irrigation timers (battery powered) Power Rakes



Tools / Lawn / Garden Continued	Power Tools Power tools included in the itemized list which are for personal/home use or for business/commercial use. Electronic tools with a power cord,	 Air compressors (Small) Angle saws Band saws Chop saws Cabinet saws Cut-off machines Cut-off saws 	 Lathes Mitre saws Multipurpose electric sharpeners Scroll saws Sink machines Table saws
	manufactured to be used mounted/sitting on a work bench and/or standing/sitting on the floor.	 Drum machines Laser chainsaw sharpeners 	Tile sawsWallpaper steamers/strippers
	Power tools included in the itemized list which are for personal/home use or for business/commercial use. Portable/mobile electronic/air tools with a power cord, plug and/or battery(ies).	 Adhesive/caulking guns (powered) Air compressor accessories (e.g. Inflation gun, spray gun) Angle grinders Auto feed screwdrivers Automotive air Inflators/pumps Bandsaws (handheld) Batteries (for power tools) Battery chargers Biscuit joiners/plates Circular saws Concrete vibrators Cut-Off saws (handheld) Detection tools Die grinders Digital tire gauges Drills (corded/cordless) Drill bit sharpeners Electric knives (for windshield repair) Foam saws Glue guns Grease guns (powered) 	 Lightbulb testers/repairers Metal tappers Multi tools (powered) Nailers (finishing/flooring/framing) Nibblers Nutrunners Paint mixers Pex expanders Pipe cutters/pipe threaders Power chisels Power painters Power planers Power scrapers Power scrapers Power screwdrivers Press tools PVC heating blankets Rebar cutters / benders / reciprocating saws Shear wrenches Soldering/desoldering Equipment/stations Soldering irons
		Continued on next page	Continued on next page



Tools / Lawn / Garden Continued	Power Tools – Handheld Continued	 Hammer drills Handsaws (powered) Heat guns Impact/control wrenches Impact drivers/drills 	 Stapler welders Sanders (belt, disc, finishing, orbit, sheet, etc.) Tuckpoint grinders Waxers
		Impact drivers/drillsJigsaws	• Waxers
		Plate joiners	