

2011 CEH Shopping Guide for Finding Greener Electronics

This chart summarizes Greenpeace's latest rankings of electronics companies on energy and climate policies and practices, the environmental performance of products, and the sustainability of their operations. It also provides an overview of companies that are offering consumer electronics that are free of Brominated Flame Retardants (BFRs) and Polyvinyl Chloride (PVC). While these ratings do not capture the companies' full sustainability efforts, it gives you a place to start when choosing between companies and their products. We have also prepared an attachment listing the televisions meeting Energy Star's "Most Efficient Program" for 2011.

Company	Greenpeace (GP)				Other
	GP Overall (Best = 10)	Energy and Climate	Greener Products	Sustainable Operations	BFR/PVC-free products (US)*?
Acer	2.9	15%	31%	42%	One
Apple	4.6	22%	63%	62%	All products
Asus	-	-	-	-	One
Dell	5.1	48%	31%	65%	Some products
Fujitsu	-	-	-	-	No
HP	5.9	56%	50%	69%	Some products
Lenovo	3.8	33%	44%	38%	One
LG Electronics	2.8	19%	38%	31%	Some products
Motorola	-	-	-	-	Some products
Nokia	4.9	33%	56%	62%	All products
Panasonic	3.6	19%	63%	38%	No
Philips	4.5	59%	44%	31%	None in US
Rim	1.6	11%	13%	23%	No
Samsung	4.1	30%	56%	42%	Some products
Sharp	3	30%	50%	19%	No
Sony	3.6	59%	50%	31%	No
Sony Ericsson	4.2	26%	63%	46%	All products
Toshiba	2.8	11%	25%	46%	No

"-" = "Not Rated" "*" = Covered products include computers, monitors, cell phones & music players. For details, see next table with product listings.

For more resources, visit: www.ceh.org/electronics

ETBC's (Electronics TakeBack Coalition) 2011 Electronics Recycling Report Card will soon be released. It grades takeback and recycling programs offered by computer, TV, printer & game console companies. www.electronicstakeback.com/reportcard.htm

Greenpeace's Guide to Greener Electronics (Nov 2011) ranks the top 15 manufacturers of personal computers, TVs, and mobile phones, according to their policies on toxic chemicals, recycling and climate change. www.greenpeace.org/international/en/campaigns/toxics/electronics/Guide-to-Greener-Electronics/



See CEH's website for concrete steps you can take at home, work or school to improve the sustainability of your electronics. www.ceh.org/electronics

**IT AND CONSUMER ELECTRONIC PRODUCTS IN THE U.S.A.
WITHOUT POLYVINYL CHLORIDE (PVC) & BROMINATED FLAME RETARDANTS (BFRs)
November 2011**

Data was gathered from manufacturers' websites, [ChemSec's report "Electronics Without Brominated Flame Retardants and PVC - a Market Overview"](#) and ["Greenpeace's "Guide to Greener Electronics."](#) BFR/PVC "free" products may contain trace levels of these substances below thresholds set by the industry. Products listed are "free" from BFRs and PVC from "wall to mouse," which includes power cords in North America.

<i>Product</i>	<i>Manufacturer</i>	<i>BFR/PVC "Free" Products</i>	<i>Notes</i>
Desktop	Apple	All Desktops	
	Dell	Optiflex 990 SFF BFR/PVC Free (Listed under "For large enterprise")	Not all configurations are BFR/PVC "free" Request BFR/PVC "free" configuration
	HP	Compaq 6005 Pro Ultra Slim	
Notebooks/ Laptops/ Tablets	Apple	All notebooks and iPad	
	Dell	Latitude E6420 (Listed under "For large enterprise")	Not all configurations are BFR/PVC "free" Request BFR/PVC "free" configuration
	HP	All new notebook lines introduced in 2011 including the HP EliteBook and ProBook	At the end of 2010, all new HP notebook product lines are BFR/PVC "free"
Displays/ Monitors	Apple	All Apple Products	
	Asus	VW-247H-HF	LED Display
	Lenovo	ThinkVision L2251x Wide	LCD Display
Cell Phones/Smart Phones	Acer	Iconia Smart	
	Apple	All phones	
	LG Electronics	All mobile phones launched after 2010	All LGE mobile phones manufactured after 2010 are "free" from PVC and BFRs
	Motorola	All new product designs of mobile phones introduced after 12/31/10	Motorola Citrus, Grasp, Spice, Motocubo A45 eco are examples of products that are BFR/PVC "free"
	Nokia	All phones	All new models launched after 2010 are BFR/PVC "free" (46 models available)
	Sony Ericcson	All phones	
	Samsung	All phones launched after 4/10	
Music Players	Apple	All iPods	
	Samsung	All MP3 players introduced after 1/10	The company has launched at least 11 models after January, 2010

ENERGY STAR MOST EFFICIENT PROGRAM 2011



TELEVISIONS



“ENERGY STAR MOST EFFICIENT” is a new Energy Star program to identify the **most** efficient products among those that qualify for the broader ENERGY STAR rating. The information below summarizes the televisions achieving this “Most Efficient” rating. http://www.energystar.gov/index.cfm?c=most_efficient.me_tv

All models listed are LCD Televisions.

Brand/Model	Screen Size:	Annual Energy Use (kWh)	Annual Cost to Operate
Insignia NS-15E720A12	15.6"	28	\$3
Dynex DX-15E220A12	15.6"	29	\$3
Insignia NS-24E730A12	23.6"	42	\$5
Panasonic TC-L37E3	37"	73	\$8
Samsung UN40D5550RF	40"	83	\$9
Samsung UN40D5500RF	40"	83	\$9
Panasonic TC-L42D30	42"	91	\$10
LG 42LV3700	42"	97	\$11
Panasonic TC-L42E30	42"	100	\$11
LG 47LW5700	47"	116	\$13
LG 47LW5600	47"	116	\$13
LG 47LW6500	47"	117	\$13
LG 47LW5500	47"	117	\$13
LG 55LW5700	54.6"	123	\$13
LG 55LW5600	54.6"	123	\$13
Samsung UN46D6000SF	46"	123	\$13
Samsung UN46D6050TF	46"	123	\$13
Samsung UN46D6300SF	46"	123	\$13
LG 55LW6500	54.6"	125	\$14