



## **NRDC List of Energy Efficient TVs (As of 11/17/09)**

The following models are the most energy efficient TVs on the market today (Nov. 2009).<sup>\*</sup> All models meet the power use requirements in the future version of ENERGY STAR (Version 4.0) that goes into effect in May 2010. As ENERGY STAR Version 3.0 is not very stringent, environmentally motivated shoppers should seek out models contained in the list below. Models not on this list may use up to two or three times more power to operate.

Annual energy use values are based on TV use of 5 hours per day. The screen sizes shown are the TV's reported diagonal measurement.

Some things to consider:

- 1) Only buy as big a TV as you really need. In general, bigger TVs use more energy and cost more to operate than smaller ones.
- 2) When setting up your new TV, be sure to pick the "home" mode setting. This setting may cut your power use by up to 25% compared to other settings such as "vivid" or "retail" which are unnecessarily bright for most users.

<b>LESS THAN 20 INCHES</b>				
Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
AOC	L19W898	LCD	19	75.0
BenQ	SE22**	LCD	19	72.0
Dynex	DX-L19-10C	LCD	19	57.0
Dynex	DX-L19-10A	LCD	19	56.0
Emerson	LD195EM8 2	LCD	19	69.0
Haier	L19W2Q-10A	LCD	19	60.0
Hitachi	L19D103	LCD	19	60.0
Insignia	NS-LCD15-09MX	LCD	16	46.0
Insignia	NS-LCD15-09CA	LCD	16	46.0
Insignia	NS-LCD15-09	LCD	16	46.0
Insignia	NS-L19X-10A	LCD	19	48.0
Insignia	NS-19E430A10	LCD	19	52.0
Insignia	NS-L19W2Q-10A	LCD	19	60.0
Insignia	NS-LDVD19Q-10A	LCD	19	67.0
LG	19LU4000-ZB	LCD	19	48.0

<sup>\*</sup> All data obtained from U.S. EPA Energy Star Website.

## LESS THAN 20 INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
LG	19LH20-UA	LCD	19	48.0
LG	19LU55-UB	LCD	19	46.0
LG	19LU5000-ZA	LCD	19	50.0
LG	19LH201C-ZA	LCD	19	53.0
Memorex	MLT1931	LCD	19	48.0
Philips	19PFL3504D/F7	LCD	19	56.0
Polaroid	1521-TLUB	LCD	16	36.0
Polaroid	1921-TDUB	LCD	19	54.0
PRIMA/DYNEX	LC-19KT46/DX-L19-10A	LCD	19	57.0
PRIMA/INSIGNIA	LC-19KK44/NS-L19X-10A	LCD	19	52.0
Proview	PROVIEW 900V	LCD	19	58.0
RCA	L19HD41	LCD	19	54.0
Samsung	933HD	LCD	19	49.0
Samsung	LN19B360C5D	LCD	19	50.0
Samsung	LN19B361C5D	LCD	19	50.0
Samsung	LN19B450C4H	LCD	19	50.0
Samsung	LN19B650T6D	LCD	19	50.0
Samsung	933HDPLUS	LCD	19	51.0
Samsung	LN19A330J1D	LCD	19	69.0
Samsung	LN19A330J1H	LCD	19	69.0
Samsung	LN19A331J1D	LCD	19	68.0
Samsung	LN19A450C1D	LCD	19	69.0
Samsung	LN19A451C1D	LCD	19	69.0
Samsung	LN19A650A1D	LCD	19	68.0
Sansui	HDLCD1909	LCD	19	48.0
Sansui	HDLCD1909A	LCD	19	48.0
Sansui	HDLCD1909B	LCD	19	48.0
Sansui	HDLCD1909C	LCD	19	48.0
Sansui	HDLCD1912	LCD	19	48.0
Sansui	HDLCD1955	LCD	19	48.0
Sansui	HDLCD1955A	LCD	19	48.0
Sansui	HDLCD1955B	LCD	19	51.0
Sansui	HDLCDVD195	LCD	19	62.0
Sansui	HDLCDVD19S	LCD	19	62.0
Sanyo	DP19649	LCD	19	58.0
Sharp	LC19SB27UT	LCD	19	58.0
Sylvania	LC195SL9 A	LCD	19	69.0
Sylvania	LD195SL8 A*	LCD	19	69.0
Tatung	V19ZMCS-UWA	LCD	19	41.0
THTF, AUVIO	LC-15G19	LCD	15	39.0
THTF, AUVIO	SKU# 16-911	LCD	15	39.0
Toshiba	15LV505	LCD	16	49.0
Toshiba	15LV506	LCD	16	49.0
Toshiba	19LV610C	LCD	19	50.0

## LESS THAN 20 INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
Toshiba	19LV610U	LCD	19	50.0
Toshiba	19LV611U	LCD	19	50.0
Toshiba	19LV61K	LCD	19	50.0
Toshiba	19LV61KW	LCD	19	50.0
Toshiba	19AV600U	LCD	19	52.0
Toshiba	19AV600UZ	LCD	19	52.0
Toshiba	19LV610C-T	LCD	19	56.0
Toshiba	19LV610U-T	LCD	19	56.0
Toshiba	19LV612U	LCD	19	56.0
Toshiba	19LV61K-T	LCD	19	56.0
ViewSonic	VS12114-1M	LCD	16	41.0
ViewSonic	VS12115-2M	LCD	19	69.0
ViewSonic	VS11858-2M	LCD	19	69.0
VIZIO	VA19LHDTV10T	LCD	19	45.0
VIZIO	VM190XVT	LCD	19	53.0

## 21 TO 29 INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
AOC	L22H998	LCD	22	74.0
AOC	L22W961	LCD	22	85.0
AOC	L24H828	LCD	24	80.0
AOC	L24H898	LCD	24	90.0
BenQ	MK24**	LCD	24	88.0
Dynex	DX-L22-10C	LCD	22	82.0
HANNspree	HSG1087	LCD	22	85.0
Insignia	NS-22E430A10	LCD	22	66.0
Insignia	NS-L22Q-10A	LCD	22	82.0
Insignia	NS-LCD26-09CN	LCD	26	113.0
LG	22LU50FD-AC	LCD	22	74.0
LG	22LH20-UA	LCD	22	66.0
LG	22LH2000-ZA	LCD	22	69.0
LG	22LH201C-ZA	LCD	22	69.0
LG	22LH2020-ZC	LCD	22	69.0
LG	22LU4000-ZB	LCD	22	69.0
LG	22LG3100-ZA	LCD	22	72.0
LG	22LU55-UB	LCD	22	70.0
LG	22LU5000-ZA	LCD	22	75.0
LG	22LF10-UA	LCD	22	80.0
LG	26LH210C-UA	LCD	26	99.0
Memorex	MLTD2232	LCD	22	88.0

## 21 TO 29 INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
Proview	2200V	Other	22	60.0
Proview	2200W	LCD	22	60.0
RCA	L22HD34D	LCD	22	82.0
RCA	L22HD41	LCD	22	80.0
RCA	L26HD35D A	LCD	26	109.0
Samsung	P2270HD	LCD	22	80.0
Samsung	LN22B360C5D	LCD	22	69.0
Samsung	LN22A450C1D	LCD	22	69.0
Samsung	LN22A450C1H	LCD	22	69.0
Samsung	LN22A451C1D	LCD	22	69.0
Samsung	LN22A330J1D	LCD	22	71.0
Samsung	LN22B460B2D	LCD	22	75.0
Samsung	LN22B650T6D	LCD	22	77.0
Samsung	LN22A650A1D	LCD	22	75.0
Samsung	2333HD	LCD	23	84.0
Samsung	P2470HD	LCD	24	89.0
Samsung	P2770HD	LCD	27	109.0
Sansui	HDLCD2212	LCD	22	75.0
Sansui	HDLCDVD225	LCD	22	88.0
Sharp	LC22SB27U	LCD	22	82.0
Sharp	LC22SB27UT	LCD	22	82.0
Tatung	V22ZMCS-UWA	LCD	22	41.0
Toshiba	22AV500U	LCD	22	74.0
Toshiba	22LV610C	LCD	22	80.0
Toshiba	22LV610U	LCD	22	80.0
Toshiba	22LV611U	LCD	22	80.0
Toshiba	22LV61K	LCD	22	80.0
Toshiba	22LV61KW	LCD	22	80.0
Toshiba	22AV600U	LCD	22	71.0
Toshiba	22AV600UZ	LCD	22	71.0
Toshiba	22AV60U	LCD	22	71.0
ViewSonic	VS12116-2M	LCD	22	82.0
ViewSonic	VS11859-2M	LCD	22	82.0
ViewSonic	VS12247-1M	LCD	22	88.0
ViewSonic	VS12247-1M	LCD	22	88.0
ViewSonic	VS12335-1M	LCD	24	89.0
ViewSonic	VS12335-2M	LCD	24	89.0
VIZIO	VX200E	Standard	20	67.0
VIZIO	VO22LFHDTV10A	LCD	22	76.0
VIZIO	VA220E	LCD	22	73.0
VIZIO	VM230XVT	LCD	23	53.0
VIZIO	VX240M	LCD	24	77.0

## 31 TO 39 INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
CHIMEI	TL-32H20U-500	LCD	32	117.0
Emerson	LC321EM9 C	LCD	32	139.0
Emerson	CLC321EM9	LCD	32	139.0
Emerson	LC321EM9	LCD	32	139.0
Emerson	LC321EM9 A	LCD	32	139.0
Emerson	LC321EM9 D	LCD	32	139.0
Emerson	LC321EM9 E	LCD	32	139.0
Emerson	LC321EM9 B	LCD	32	139.0
JVC	LT-32EM20	LCD	32	139.0
LG	32LH35FD-AA	LCD	32	123.0
LG	32LH3800-ZD	LCD	32	131.0
LG	37LH3800-ZD	LCD	37	147.0
Philips	32HFL3330D/27	LCD	32	134.0
Samsung	LN32B350F1D	LCD	32	142.0
Samsung	UN32B6000VF	LCD	32	139.0
Samsung	LN37B457C6H	LCD	37	179.0
Sharp	LC32LE700UN	LCD	32	104.0
Sylvania	LC321SS9	LCD	32	139.0
Sylvania	LC321SS9 A	LCD	32	139.0
Sylvania	LC321SS9 B	LCD	32	139.0
Toshiba	32AV52R	LCD	32	129.0
Toshiba	32RV525RZ	LCD	32	141.0
Toshiba	37RV525RZ	LCD	37	159.0
Toshiba	37AV502R	LCD	37	173.0
Toshiba	37AV52R	LCD	37	173.0

## 40 TO 49 INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
JVC	GD-42X1U	LCD	42	205.0
JVC	LT-42WX70	LCD	42	205.0
JVC	LT-42EM59	LCD	42	205.0
JVC	LT-42P789	LCD	42	205.0
JVC	LT-42X579	LCD	42	205.0
JVC	LT-42SL89VA	LCD	42	207.0
JVC	LT-46J300	LCD	46	244.0
JVC	LT-46P300	LCD	46	244.0
JVC	LT-46SL89	LCD	46	216.0
JVC	LT-47EM59	LCD	47	220.0
JVC	LT-47P789	LCD	47	220.0

## 40 TO 49 INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
JVC	LT-47X579	LCD	47	220.0
JVC	LT-47X899	LCD	47	242.0
LG	42LH3800-ZD	LCD	42	167.0
LG	42SL9000-ZA	LCD	42	206.0
LG	42LH90-UB	LCD	42	208.0
LG	47SL9000-ZA	LCD	47	221.0
LG	47SL90QD-AA	LCD	47	224.0
LG	47SL90-UA	LCD	47	252.0
Samsung	UN40B6000VF	LCD	40	179.0
Samsung	UN40B7000WF	LCD	40	179.0
Samsung	UN46B6000VF	LCD	46	190.0
Samsung	UN46B7000WF	LCD	46	190.0
Samsung	UN46B7100WF	LCD	46	190.0
Samsung	UN46B8000XF	LCD	46	223.0
Sharp	LC40LE700UN	LCD	40	140.0
Sharp	LC46LE700UN	LCD	46	168.0
Sharp	LCC46700UN	LCD	46	168.0
Sony	KDL-40VE5	LCD	40	166.0
Sony	KDL-46VE5	LCD	46	194.0
VIZIO	VW46L FHDTV20A	LCD	46	240.0
VIZIO	SV472XVT	LCD	47	243.0

## 50 TO 59 INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
JVC	LT-52X579	LCD	52	241.0
JVC	LT-52P789	LCD	52	241.0
JVC	LT-52X899	LCD	52	289.0
LG	55LH9500-ZA	LCD	55	278.0
LG	55LH95QD-AA	LCD	55	318.0
RCA	L52FHD38	LCD	52	283
Samsung	UN55B6000VF	LCD	55	220.0
Samsung	UN55B7000WF	LCD	55	220.0
Samsung	UN55B7100WF	LCD	55	220.0
Samsung	LN55B640R3F	LCD	55	271.0
Samsung	LN55B650T1F	LCD	55	271.0
Samsung	UN55B8000XF	LCD	55	274.0
Samsung	UN55B8500XF	LCD	55	302.0
Samsung	UN55B9000XF	LCD	55	302.0
Samsung	HL-T5656W	Other	56	334.0

## 50 TO 59 INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
Sharp	LC52LE700UN	LCD	52	195.0
Sharp	LCC52700UN	LCD	52	195.0
Sony	KDL-52VE5	LCD	52	212.0
Sony	KDL-52W4000	LCD	52	291
Toshiba	55SV670U	LCD	55	320
VIZIO	VF552XVT	LCD	55	279
VIZIO	VF551XVT	LCD	55	309

## 60 AND ABOVE INCHES

Brand Name	Model	Screen Type	Screen Size (Inches)	Estimated Annual Energy Consumption (kWh/year)
Mitsubishi	WD-65737	Other	65	402.0
Mitsubishi	WD-65837	Other	65	402.0
Mitsubishi	WD-65C9	Other	65	402.0
Mitsubishi	WD-73737	Other	73	402.0
Mitsubishi	WD-73837	Other	73	402.0
Mitsubishi	WD-73C9	Other	73	402.0
Mitsubishi	WD-82737	Other	82	402.0
Mitsubishi	WD-82837	Other	82	402.0
Samsung	HL61A750A1F	Other	61	289.0
Samsung	HL61A510J1F	Other	61	334.0
Samsung	HL61A650C1F	Other	61	345.0
Samsung	HL67A750A1F	Other	67	319.0
Samsung	HL67A510J1F	Other	67	362.0
Samsung	HL72A650C1F	Other	72	362.0
Samsung	HL-T7288W	Other	72	407.0