

Hydro, Solar, Wind Comparison Chart

	Small Hydro (1500 Watt output)	Solar (2500 Watt output)	Wind (2500 watt output)
Estimated system cost \$	Under \$12,000	\$22000 to \$30000	\$15,000 to \$20,000
Total Kilo Watt Hours (KWH) per year	1500 Watt-- 13,140 KWH (24 hours per day)	2500 Watt-- 5,475 KWH (Based on 6 hour average per day of output)	2500 watt-- 4,380 KWH (Based on 20% runtime at full power)
Average Output per Day (KWH)	36 KWH	15 KWH	12 KWH
Value In Dollars based on .12/KWH Per Day	\$4.32	\$1.80	\$1.44
Average Yearly household consumption (2010 Censes Data, USA)	11698 KWH		
Location Setup	Creeks, rivers, irrigation, dams, overflow, run off, artesian wells	High sun output areas, deserts, open line of sight locations	High wind areas, near ocean, top of mountains
Lifespan	20 + years with replaceable parts	15 to 20 years with declining output	15 years / sun and vibration wear
Positives	Renewable, low maintenance, low cost, long life, grid tie, 24/7 runtime, easy bearing replacement	Renewable, grid tie	Renewable, grid tie
Negatives	no water, less than 20' of head	location, intermittent, high price, output over time, winter output	location, intermittent, high cost, life span
More Information	www.scotthydroelectric.com	http://www.solar-power-information-site.com/solar-power-for-home	http://www.solacity.com/smallwindtruth.htm