

# Hydro, Solar, Wind Comparison Chart

	<b>Small Hydro</b> (1500 Watt output)	<b>Solar</b> (2500 Watt output)	<b>Wind</b> (2500 watt output)
<b>Estimated system cost \$</b>	Under \$12,000	\$20000 to \$30000	\$15,000 to \$20,000
<b>Total Kilo Watt Hours (KWH) per year</b>	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)
<b>Average Output per Day (KWH)</b>	<b>36 KWH</b>	<b>15 KWH</b>	<b>12 KWH</b>
<b>Value In Dollars based on .12/KWH Per Day</b>	<b>\$4.32</b>	<b>\$1.80</b>	<b>\$1.44</b>
<b>Average Yearly household consumption (2010 Censes Data, USA)</b>	<b>11698 KWH</b>		
<b>Location Setup</b>	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
<b>Lifespan</b>	20 + years with replaceable parts	15 to 20 years with declining output	15 years / sun and vibration wear
<b>Positives</b>	Renewable, low maintenance, low cost, long life, grid tie, 24/7 runtime, easy bearing replacement	Renewable, grid tie	Renewable, grid tie
<b>Negatives</b>	no water, less than 20' of head	location, intermittent, high price, output over time, winter output	location, intermittent, high cost, life span
<b>More Information</b>	<a href="http://www.scotthydroelectric.com">www.scotthydroelectric.com</a>	<a href="http://www.solar-power-information-site.com/solar-power-for-home">http://www.solar-power-information-site.com/solar-power-for-home</a>	<a href="http://www.solacity.com/smallwindtruth.htm">http://www.solacity.com/smallwindtruth.htm</a>