

Re: building microwind and microhydro generators

a sane guess.

4. As for the wind generator, are the powerful neodymium magnetics found in hardware stores a good choice?

5. Schematics? Anyone know websites with reliable instructions on how to build either of these from scratch on a micro scale?

Dominic

I'm pretty sure that neither are feasible, certainly at the 1 KW power level.

You can calculate the power possible from 1 cf/sec water flow, but you have to know the head (pressure) available. I knew a guy who had a stream on a hillside; he built a small dam uphill and ran a pipe from there down to his house, diverting part of the stream's flow, and ran a pump backwards, spinning an alternator. He had over 200 feet of vertical drop, so got close to 100 psi pressure to work with. I don't think it was worth the effort, and you'd probably have to divert your entire stream to get