

## Re: Electro Magnetic Power – Hydro Ocean Power – Tidal generators

**Source:** <http://sci.tech–archive.net/Archive/sci.energy/2004–08/0960.html>

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**From:** quasarstrider (quasarstrider\_at\_yahoo.com.br)

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"Don Kelly" <dhky@peeshaw.ca> wrote in message

- > *The electromagnetic trains use linear induction motors. A rotary*
- > *induction motor drives your washing machine . No big new theories or*
- > *discoveries. No magical sources of energy.*
- > *How do you expect magnets to turn turbine generators? What rotates the*
- > *magnets?*
- > *The mechanical input (from water, steam, etc. ) to the mechanical device*
- > *known as a turbine is converted to electrical output in the electromagnetic*
- > *machine known as a generator –which the turbine drives. Conservation of*
- > *energy is involved– output plus losses =input. Losses, however small, are*
- > *forever with us so output will always be less than input.*

Well, that's a given.

- > *Yes there are magnets involved in the generator but the magnets supply no*
- > *energy to the process.*

You are correct, they don't. They can however consume more or less energy from the input (for the case of electromagnets anyway), thus reducing output more or less. So different magnets can affect power generation. But probably this effect is almost irrelevant, friction losses are likely larger.