

Wind Generation	Tesla Cascading Hydro Power Plant
Building cost approx. 1 million eur/MW	Building cost approx. 1 million eur/MW
Building place has potential, partly limited with favorable places where wind draft has variable direction and intensity	Building place has unutilized potential, at the moment there is no concurrent technology for utilizing lowland rivers, technology is unique with utilization of steady intensity of water flow
No land acquiring, location is used with existing roads	No land acquiring, location is used with existing roads
Bird migration is disrupted, physically and by acoustical vibrations that influence people as well	Does not disrupt flora and fauna. Nature can undisturbedly flourish and develop with favorable water melioration.
Vibrations can damage material, wind generators are not protected from extreme winds that can tear blades and cause short circuit incineration of the generator plant.	Vibrations in water are damped, overflow sound positively and relaxing influence people. Flash floods does not influence plant
Environment is not favorable for tourism industry	Environment is favorable for tourism, weekend zones and populated places with land melioration, sport activities and industrial zones as additional building project.
Has no additional economical effect but energy production	River bed is regulated for flash floods, cascades slow floods when needed, water flow can be speed up as required.
No additional economical effect, no possibility to store energy	Cascading plant situated in chain can accumulate water during night for utilization over daytime.
Optimal and economical speed is above 6 m/s	Optimal and economical speed is above 3 m/s
Adding produced energy from series of locations	Adding produced energy from series of locations or single connection to a local electricity grid similar to gas generator.
Source of potential wind energy is variable in given time interval. It's more intense on the night when requirement for energy is less	Source of potential energy is constant, concentrated in daytime interval when requirements are greater
Yearly production with 1 MW plant is average 2.600 MWh, more by night.	Yearly production with 1 MW plant is average 2.600 MWh, more by day.
Yearly production on better locations with 1 MW is 3.000 MWh	Yearly production on better locations with 1 MW is 7.000 MWh if bank channels diminish part of water potential.
Lowest building cost is 1.000.000 eur per MW, If production is at rate of 2.600 MWh, investment has no economical effect, part of produced energy needs to be stored, results in economical loss.	Lowest building cost is 1.000.000 eur per MW, If production is at rate of 2.600 MWh, energy is momentarily transported to a consumer, cascading system accumulates energy ny night, lowers danger from flash floods, creates better waterway, land melioration, improves ecology...