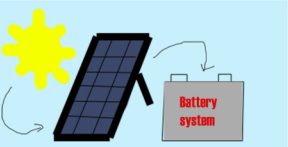


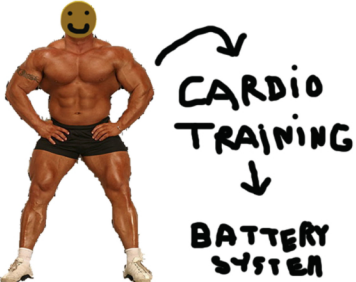
Solar Energy



Solar irradiance from Sun is converted into electricity. Then it passes through the charge controller to the battery system, where is accumulated.

Solar installation output:
400 m2 x 600 kWh / (m2 x year) = 240 000 kWh / year

Muscle Energy

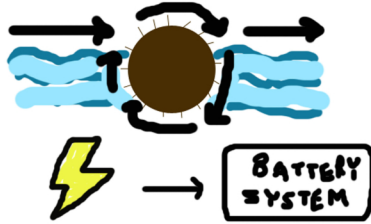


100 gym machines produces a lot of electric energy. But nowadays it is wasted. FFA provides special generator with battery system, where electricity is accumulated. FFA as a part of prisoner's rehabilitation would be efficient system. On the other hand, the installation is available for visitors.

Gym Generator Output:
Unable to evaluate

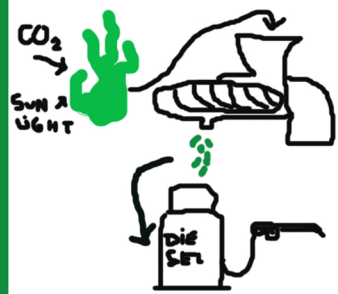
Water Energy

A water turbine takes energy from moving water.



Water Turbine Output:
 $P = 9,81 \cdot n \cdot Q \cdot H \cdot \eta$
 $P = 194,00 \text{ kW}$

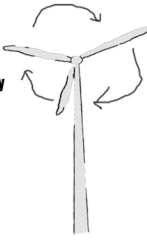
Algae Energy



After initial growth, algae is deprived of nutrients (carbon dioxide, sunlight and others) to produce a greater oil yield. Then, by extraction, the press produces 75% of the oil from the plant. Ready oil can be used directly in diesel engines. Algae is one of the fastest growing plants.

Bioreactor output:
Price of Algae Diesel is ~1 \$ per gallon.
One hectare produces 27 gallons of Biodiesel.

Wind Energy



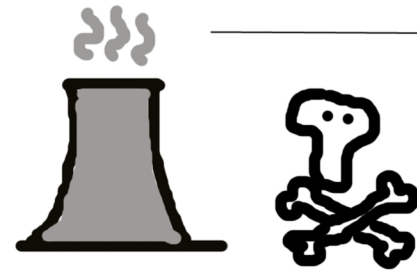
A wind turbine is a device that converts kinetic energy from the wind into electrical power.

Wind Turbine Output:
6 x 2 MW = 12 MW

Energy gathering schemes

To build or not to build FFA ?

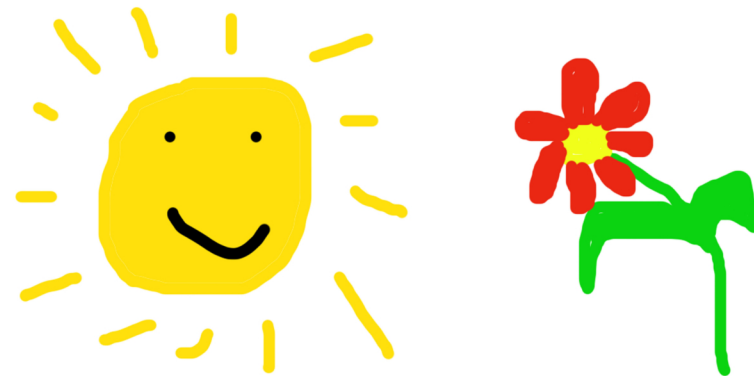
Dirty energy instead of FFA



Life in Copenhagen becomes unhealthy and depressing



Realization of FFA project



Copenhagen is better place to live, Mother Nature is happy.

