

Energy Returned on Energy Invested



Energy Returned On Energy Invested (EROEI)



Ethanol from Corn
1.25 to 1



Densified Wood Pellets
13 to 1

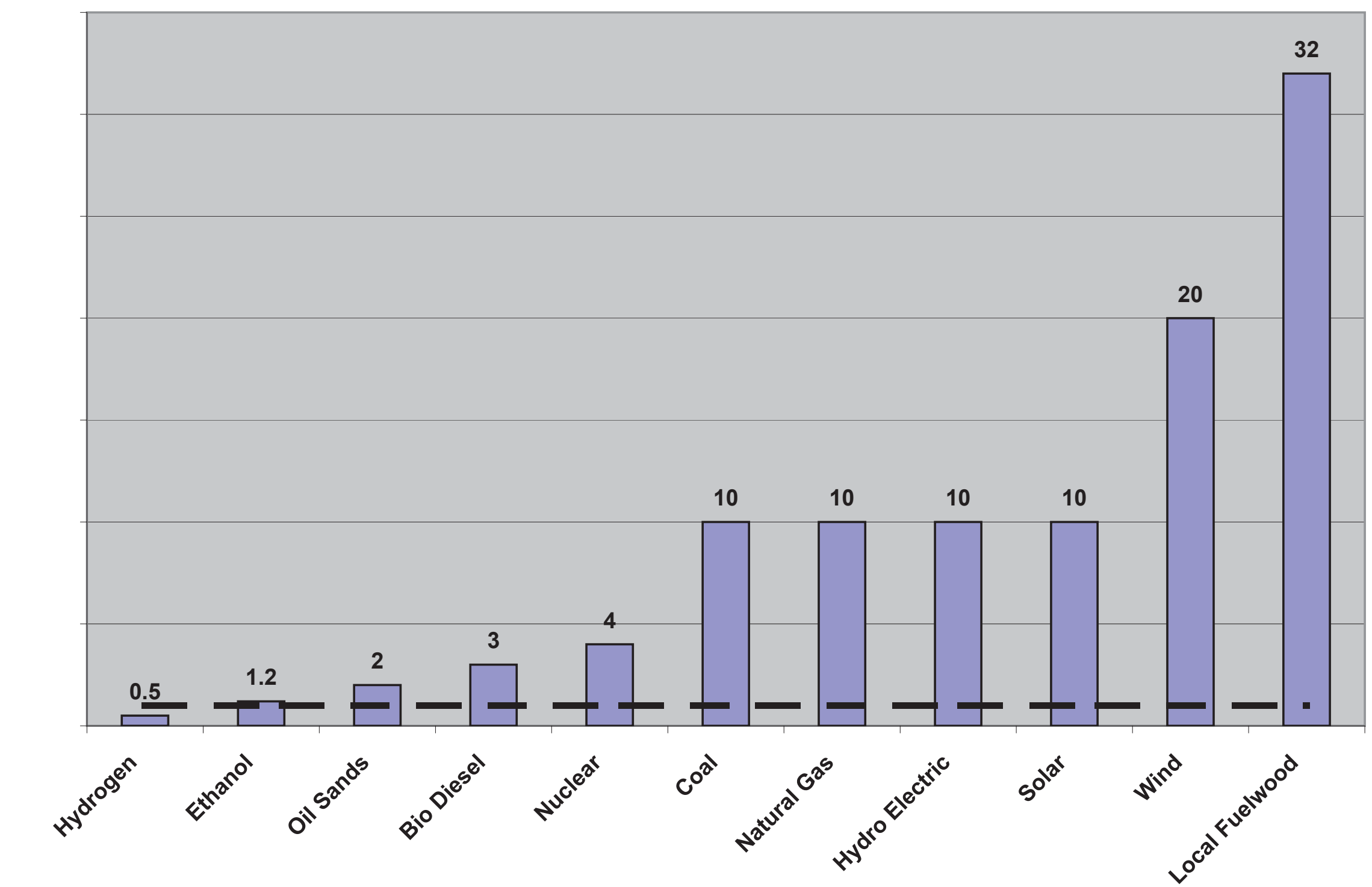


Wood
30 to 1

EROEI is the ratio of the amount of usable energy acquired from a particular energy resource to the amount of energy expended to obtain that energy resource.

$$\text{EROEI} = \frac{\text{Usable Acquired Energy}}{\text{Energy Expended}}$$

Energy Return on Energy Invested
(--- Where 1 is the Break Even Point)



Heating Equivalents

Depending on the species one cord (128 cubic feet) of dry firewood is the equivalent of:

- 450 to 900 litres of No. 2 fuel oil;
- 100 to 200 therms of natural gas; or
- 2,000 to 4,000 Kwh of electricity



Renewable vs. Non-renewable

1 ton of pellets =
2.8 barrels of oil

