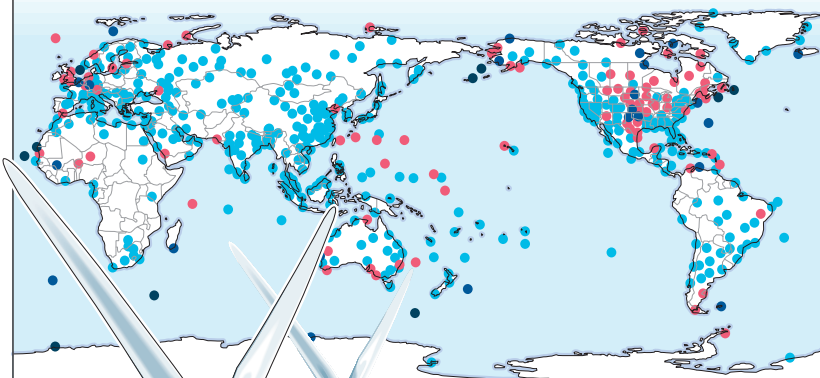


Wind power could supply the world

Researchers at Stanford University claim that wind power could supply more than five times the worlds energy needs. Over 1,000 sites worldwide were identified which experience wind speeds fast enough to power a modern wind turbine – sufficient to generate 72 terawatts (TW) of electricity

Global wind speed 1998-2000

Minimum 4-5m/s required



Wind speeds

● Up to 5.8m/s

● 7.5-8.5m/s

● 5.9-7.4m/s

● 8.6-over 9.3m/s

World energy consumption 2002

Total approximately 14 terawatts

Combustible
renewable
& waste
14.1%

Electricity
16.1%

Other*
3.5%

Coal
7.1%

Oil
43.0%

Gas
16.2%

Largest
wind turbine
generates
up to 5MW –
enough power
for 5,000 homes

1TW = 1million megawatts

*Includes geothermal,
solar, wind, heat, etc.