

"The Sun and Wind don't send us the bill."

- **But why then are they so expensive?**

- Assess the cost of **intermittant** power

- German wind turbines generate power **14.8%** of the time
- Make up gas-fired plants don't operate enough of the time to be **profitable**
- **Storage** in hydroelectric dams has its limits

- The **electric grid** to collect electricity from facilities scattered over the entire territory (50% of the cost of electricity in Australia, for example)

- The high energy cost of **manufacturing** solar panels (~20 years operating life)

- **Maintenance**

Wind turbines at sea in saline and corrosive environments

Price of KWh
in 2011
(euro cents)

Germany 25.3
+ 58 % in 8 years

Italy 20.8
Austria 19.7
EU Average (current)

Great Britain 15.8
France 14.2

Greece 12.4
Romania 10.9

Bulgaria 8.7