

NiE

Viv's not a fan

Wind turbine electricity 'part of UN agenda'

YESTERDAY was declared by wind energy enthusiasts as Global Wind Day. This is just another orchestrated media event designed to distract taxpayers, electricity consumers and wind turbine victims from the billions of wind energy. The only people celebrating will be turbine owners getting subsidies.



Wordy news

Turbine – a machine for producing continuous power in which a wheel or rotor, is made to revolve by a flow of liquid, steam or gas.

RENEWABLE ENERGY

Did you know?

AUSTRALIA'S Renewable Energy Target (RET) has the goal of sourcing 20 percent of Australia's electricity from renewable energy sources (like wind) by 2020.



Blowing in the wind

WITH over six billion people on our planet, resource stocks are already being depleted faster than nature can regenerate them.

As the world population increases to an expected nine billion by 2050, demands on resources will only get higher.

Saving the Earth's resources so that they are available for others to use for a long time into the future is therefore critical.

In order to do this we must change the ways in which energy is generated by using renewable energy sources, developing new technologies for cleaner and safer use and making laws so resources are used and managed better.

Renewable energy sources such as wind, solar, hydro, bio and

geothermal come from supplies that should never run out.

In harnessing them to generate energy little or no damage is done to the environment.

How the wind can work

Wind has long served as a power source to humans – boats use sails to capture the wind and windmills are used to grind grains and pump water.

Wind energy is a renewable resource – a source of clean, non-polluting, electricity – that can serve as an alternative to fossil fuel (non-renewable) generated electricity.

It involves producing electricity from the naturally occurring power of the wind.

Turbines capture wind energy with their three propeller like blades.

The spinning blades, mounted on high towers, turn a shaft connected to a generator that produces electricity.

Farming the wind

Wind farms create wind energy by placing multiple wind turbines in the same location for the purpose of generating large amounts of electrical power for export to the grid.

Some drawbacks of wind turbines are the high installation costs, a change in wind speed limits production of energy, they're not suitable for all areas, they create noise, can interfere with

BLUSTERY FACTS

■ Wind power is the second biggest contributor to Australia's renewable energy supply.

■ The average wind speed needs to be above 18kmh to make installing a wind turbine worthwhile.

■ The reason the tower is so tall is because winds are stronger higher from the ground and there's less of a buffeting effect.

■ The blades of modern wind turbines can reach speeds at the tip of over 320kmh.

some radar systems and can cause death to creatures that fly.

IN THE NEWS

Valuing nature

CONNECTING people with nature is the theme for World Environment Day (WED) 2017.

Each year June 5 marks the annual event aimed to encourage awareness and action for the protection of our environment.

Since it began in 1972, thousands of events have been organised to inspire us to value nature.

Join the WED movement and help create the world's biggest nature album by sharing a picture or video of the place that matters most to you.

www.worldenvironmentday.com

CHECK IT OUT

Make your own

Materials: 2 litre plastic soft drink bottle, scissors, hammer and nail, thick wire (60cm), a bead

To make: Cut off the bottom of the bottle (about 10cm); Cut four evenly spaced sails along the body of the bottle – leave about 5cm uncut from the lid end. Fold each sail outwards at an angle. Make four short evenly spaced cuts around the end part of the bottle (cut off in step 1). Using the hammer and nail, make a hole in the centre of the bottom part of the bottle and the same in the lid of the bottle. Take the bottom part of the bottle and push it inside the open end of the sail part. Take the wire and run it through the bottle from one end to the other. Put a bend at the end of the wire to secure the centre of the windmill. Thread the wire through the centre of the lid. Screw the lid on to the bottle. Add a bead and bend the wire at right angles to form a stem that can be pushed into the ground.

NEXT WEEK: The hot stuff – Five part special



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