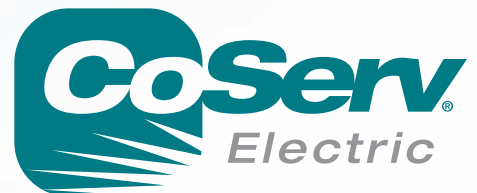




# Little Elm's Solar Array Project

Learn how this  
town got involved  
and went "green."



# FASCINATING FACTS ABOUT RENEWABLE ENERGY

1. There are five main forms of renewable energy: solar, wind, water, biofuel, and geothermal (heat from the earth).
2. If it could be properly harnessed, enough sunlight falls on the Earth in just one hour to meet world energy demands for a whole year.
3. Albert Einstein won the Nobel Prize in Physics in 1921 for his ground-breaking experiments with solar power and photovoltaics.
4. The geothermal energy from the core of the Earth is closer to the surface in some areas than in others. Where hot underground steam or water can be tapped and brought to the surface, it can be used to generate electricity.
5. A world record was set in 1990 when a solar-powered aircraft flew across the U.S. in 21 stages, using no fuel at all.
6. One wind turbine can produce enough electricity to power up to 300 homes.
7. The largest wind turbine in the world, located in Hawaii, stands 20 stories tall and has blades the length of a football field.
8. An average wind speed of 14 mph is needed to convert wind energy into electricity.
9. Water is the most commonly used renewable energy resource, providing enough power to meet the needs of 28.3 million people.
10. The ancient Romans were among the first to use geothermal energy to heat houses.

All facts taken from "The natural solution: Ten facts about renewable energy," *The Independent*, by Ana Caistor-Arendar.

## WORD SEARCH

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 Kilowatt Hour  
 Kinetic Energy  
 Output  
 Photovoltaic  
 Rechargeable  
 Renewable  
 Solar Array  
 Solar Cells  
 Solar Collector  
 Solar Panel  
 Sunlight  
 Voltage  
 Wind Power  
 Wind Turbine

Words can be found forward, backward, or diagonally. Key on back cover.



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<sup>1</sup>Those choosing to receive electric service pursuant to this rate schedule will not have electricity from a specific renewable resource delivered directly to their electric service location.

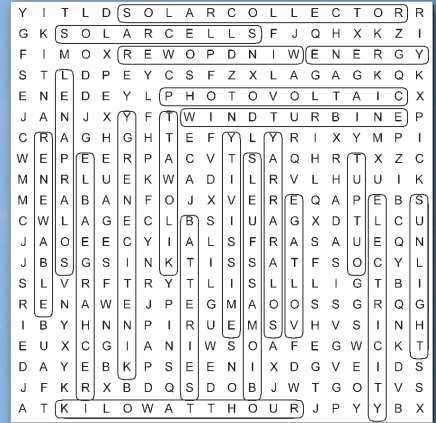


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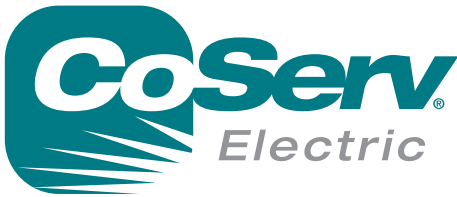
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