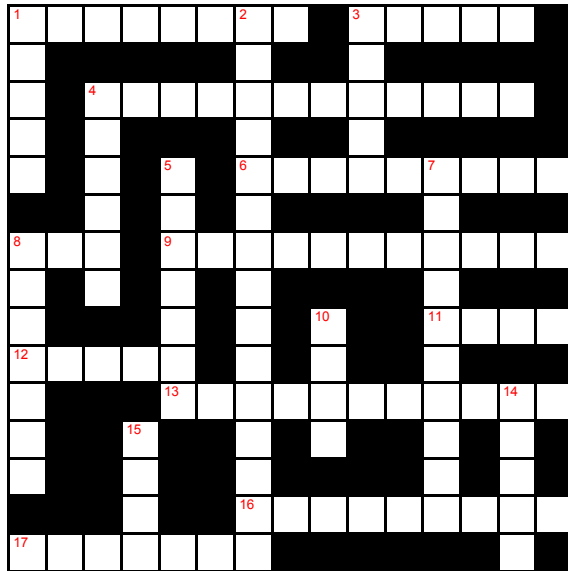


# Electricity\_supply\_management\_15x15\_2008-10-22

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## Across

- 1 The maximum quantity of electricity that can be delivered from a unit. (8)
- 3 The time rate of using electric energy, usually expressed in kilowatt-hours. (5)
- 4 Liquefaction of vapour. (12)
- 6 The necessary equipment and wiring which must be in place prior to installation of an electricity meter. (5,4)
- 8 A unit of heat energy equal to the heat needed to raise the temperature of one pound of water from 60°F to 61°F at one atmosphere pressure. (3)

- 9 A device designed to open if it senses excess temperature or pressure. (6,5)
- 11 A safety device designed to stop electrical flow if a circuit shorts or is overloaded. (4)
- 12 Unit for measuring the rate at which light is transmitted. (5)
- 13 A physical phenomenon associated with stationary or moving electrons and protons. (11)
- 16 Distribution lines that carry the highest distribution of voltage. They are usually located at the topmost position of the utility pole. (9)
- 17 Electromotive force: unit of electric pressure. (7)

## Down

- 1 Two or more insulated conductors wrapped in metal or plastic sheathing. (5)
- 2 It is a complement of walls, windows, doors, ceilings, and floors around heated areas of a structure. By improving it, one can reduce energy requirements. (7,8)
- 3 One of the characteristics of the electric supply service. Practically all residential customers have single-\_\_\_\_\_ service. (5)
- 4 A device which automatically cuts off electricity or the fuel supply to a machine, in case of an emergency. (6)
- 5 Any of various devices that convert the energy in a stream of fluid into mechanical energy. (7)
- 7 The ratio of average demand to maximum demand or to capacity. (4,6)
- 8 A device that provides starting voltage and limits the current during normal operation in electrical discharge lamps (such as fluorescent lamps). (7)
- 10 The common base unit of power in the metric system. (4)
- 14 A steel structure found along transmission lines which is used to support conductors. (5)
- 15 A measure of electrical pressure.

(4)