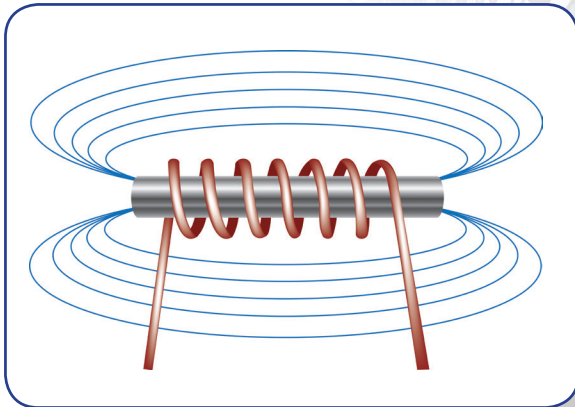


What Is EMF?

Electric and magnetic fields (EMF) are invisible fields of force that surround any electrical device. Power lines, electrical wiring, and electrical equipment all produce EMF. There are many other sources of EMF as well.

Electrical fields are produced by voltage and increase in strength as the voltage increases. Magnetic fields result from the flow of current through wires or electrical devices and increase in strength as the current increases.

Most electrical equipment has to be turned on (i.e. current must be flowing) for a magnetic field to be produced. Electric fields are often present, even when the equipment is switched off, as long as it remains connected to the source of electric power.



For more information, reference these sources:

- The Public Utility Commission of Texas
- The United Nations' World Health Organization
- National Institutes of Health
- National Institute of Environmental Health Sciences
- The Federal Communications Commission
- The Environmental Protection Agency

Electromagnetic Fields: EMF

Compliments of
El Paso Electric*

*El Paso Electric maintains all of its equipment in a safe manner and in compliance with all applicable standards.

Some Information About EMF

Electric and magnetic fields, often collectively referred to as EMF, occur as a result of our use of electricity. Wherever an electric current is present, fields of magnetic force occur.

Electric and magnetic fields are part of both natural and manmade environments, and are created whenever electric current flows through a wire or in an electrical device, such as an appliance.

Electric and magnetic fields are found everywhere electricity is used, such as many common household appliances. This can include your microwave, clothes washer and dryer, stove, lamps, hair dryer, TV, computer, cell phones, and more.



What Regulations Govern EMF?

In the United States, there are no federal standards limiting electromagnetic fields from power lines and other sources to people at work or home. Standard rights-of-way widths under high voltage transmission lines address the potential for electric shock and EMF exposure.

Is EMF Harmful?

Currently, there are no health-based standards for long term human exposure to EMF in the United States. Significant research has been conducted in this area, and that research has not produced any conclusive evidence showing an association between EMF exposure and health risks.

According to a number of science and health experts researching the issue, including panels convened by the World Health Organization and the National Academy of Sciences, there exists no persuasive scientific evidence that electric and magnetic fields can lead to public health problems.

There are many naturally occurring sources of EMF

Electromagnetic fields are present everywhere in our environment, but are usually invisible to the human eye.

EMF can be produced by the build-up of electric charges in the atmosphere associated with thunderstorms.

The earth's magnetic field also causes compass needles to orient in a North-South direction, and is used by birds and fish for navigation.

