

Georgia Power is committed to operating safely for its customers, employees, and communities.

The company monitors credible, science-based organizations and institutions to ensure the information shared with stakeholders about electric and magnetic fields (EMF) reflect current scientific understanding. Georgia Power also stays informed on ongoing EMF research and responds to questions from customers and community members about EMFs near its facilities.

What are EMFs?

Electric and magnetic energy fields, commonly referred to as EMFs, are zones of energy produced wherever electricity is generated, transmitted, or used.

Electric fields come from voltage and are the "pressure" that pushes electricity through wires. Magnetic fields come from electric current, the actual flow of electricity. The strength of both increases as more electricity flows.

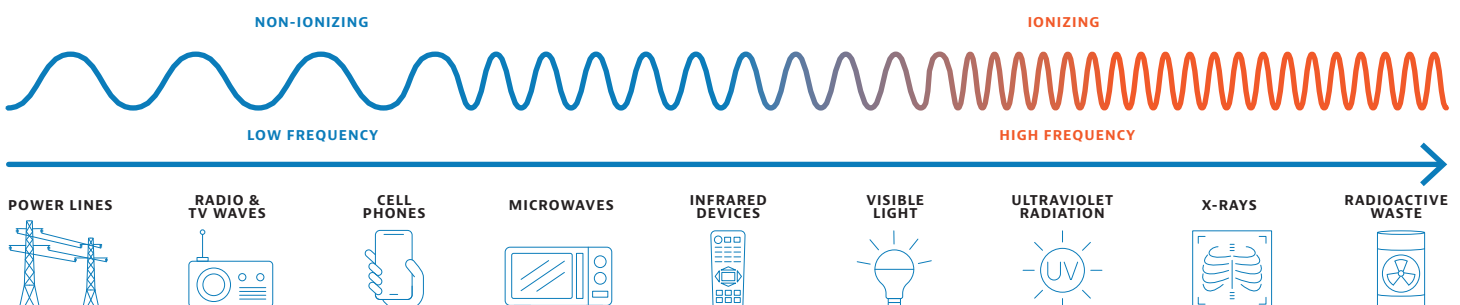
As electricity is used throughout daily life, including in our homes, workplaces, schools, and public spaces, EMFs are commonplace in our everyday environments.



Common Sources Include:

- ▶ Power lines
- ▶ Home wiring and appliances
- ▶ Cellphones
- ▶ Computers and other electronic devices
- ▶ Natural sources such as lightning and the Earth's magnetic field

Electromagnetic Spectrum



EMF Research: What Do Scientists Say?

For more than 40 years, scientists and health organizations around the world have studied EMF exposure from power lines, appliances, and wireless devices to better understand possible health effects. **Current scientific research shows:**

- ▶ Power-line EMFs are low-frequency, non-ionizing radiation, which means they do not have enough energy to damage cells or DNA like higher-energy radiation such as X-rays or gamma rays.
- ▶ EMF strength decreases rapidly with distance from the source.
- ▶ No consistent or conclusive evidence has been found linking EMF exposure from power lines or other non-ionizing radiation sources to adverse health effects.
- ▶ Scientists continue to study long-term exposure through organizations such as the Electric Power Research Institute (EPRI) and the World Health Organization's International EMF Project.



Where to Learn More

To learn more about the science and research on EMFs, visit:

- ▶ **WORLD HEALTH ORGANIZATION**
www.who.int/health-topics/electromagnetic-fields
- ▶ **NATIONAL INSTITUTES OF HEALTH**
www.niehs.nih.gov/health/topics/agents/emf
- ▶ **U.S. ENVIRONMENTAL PROTECTION AGENCY**
www.epa.gov/radtown/electric-and-magnetic-fields-power-lines
- ▶ **ELECTRIC POWER RESEARCH INSTITUTE**
www.emf.epri.com