

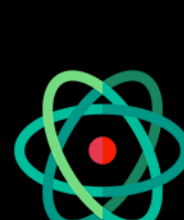
The **TRUTH** About Coronal Mass Ejections

Created by CMEAlerts.com

Coronal Mass Ejection (CME)
is the sun ejecting radiation
and particales.



Minor CME's cause geomagnetic storms with vivid auroral displays.



A CME is magnetized plasma consisting primarily of electrons and protons



There is a 12% chance that a large scale CME will hit the earth in the next 5 years.



The sun commonly produces 3-5 minor CME's daily.



CME's can release large quantities of matter and electro-magnetic radiation.



Although CME's commonly cause no harm, **large X level events** can cause **serious damage to the power grid globally.**

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THE 1859 CARRINGTON EVENT

The Carrington Event was a CME that happened in 1859. It was the largest geomagnetic event in recorded history. The CME effected everything from telegraph stations to compasses around the worlds.

Was so large that fires were reported in telegraph stations



Reported to have the power of 10 billion 1-megaton nuclear bombs



Took 17.6 hours to reach earth after it was observed



Impact in 1859



Is the largest CME recorded to this day



During the solar storm compasses pointed away from the north pole



Aurora display was visible around the world

Impact In 2024



Would Cause a complete nation wide blackout



Estimated costs of rebuilding around \$2.6trillion (\$50 mil a day)

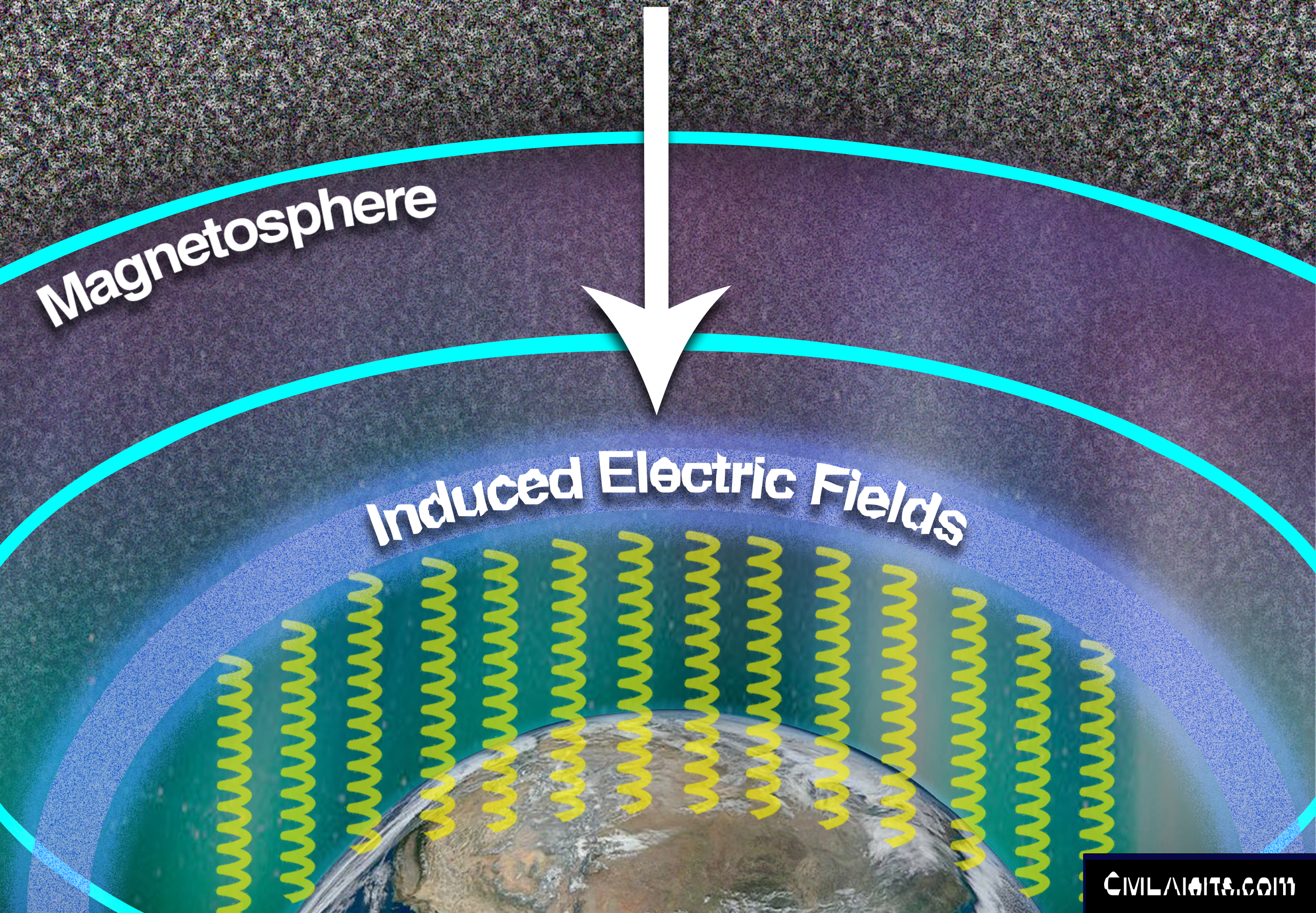


It would take 4-10 years to be 65% functional again

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Severe Electrical Impact

CME - Coronal Mass Ejection hurtles Radiation and particles toward the earths atmosphere at up to 3,000 km/s reaching earth in as little as 15 hours. Those particles can strike and penetrate the earths magnetic field which may causes a disturbance to the earths magnetic field. This in turn causes the induction of electric currents into long conductive lines on the power grid. This can cause massive power surges in our electrical grids around the world.



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