

The generator is located in the substation

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A step-up transmission substation receives electric power from a nearby generating facility and uses a large power transformer to increase the voltage for transmission to distant locations.

Normally, they are located on the periphery of consumption areas, inside or outside buildings to save space, although they are also found near power plants, on the outskirts of urban centers ...

The turbine produces mechanical energy. The generator converts it into electrical energy. The substation adjusts the voltage and distributes the electricity to the grid.

Transmission substations are found where electricity enters the transmission network (often near a major power source), or where it leaves the ...

In a less simple way, substation is the key part of electrical generation, transmission, and distribution systems. Substation transforms voltage from high to low or from low to high as ...

While designing and erecting a substation, we must take care of the following points - It should be located at the center of gravity of ...

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