

# The generator of the power station needs to be preheated

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It changes the thermal state of the turbine and causes smaller maximal stress during the initial period of the start-up. The procedure involves a pre-heating of the turbine with a hot air ...

Yes, but for a steam plant of any kind, it is more efficient to preheat the incoming water before it is heated by whatever power source you are using. This has to do with maximizing thermal ...

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There are two major systems utilized to convert the heat generated in the fuel into electrical power for industrial and residential use. The primary system transfers the heat from the fuel to the ...

A power plant's job is to release this chemical energy as heat, use the heat to drive a spinning machine called a turbine, and then use the turbine to power a generator (electricity ...

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Pressurized heavy water (D<sub>2</sub>O) coolant is circulated through the fuel channels and steam generators in a closed circuit. The fission heat produced in the fuel is transferred to heavy ...

A thermal power station is a power plant in which the prime mover is steam driven. Water is heated, turns into steam and spins a steam turbine which drives an electrical generator.

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