

Click on the animation to activate it.

This animation shows how a Pressurized Water Reactor (PWR) works to create energy used in everyday life. In a system like this, the water is heated by pressure, but it never boils.

The U.S. Nuclear Regulatory Commission [tells us more](#):

*Pressurized Water Reactors are known as "PWRs." They keep water under pressure so that it heats but does not boil.*

*Water from the reactor, and the water that is turned into steam, are in separate pipes and never mix.*

Water used in a PWR is converted to steam and is then recycled, back into water, with the help of a condenser. It will then be used, again, in the heat process - just like it is in a [Boiling Water Reactor \(BWR\)](#).

Radiation is also a by-product of pressurized water reactors, so the same safety concerns apply to this process as apply to BWRs.

Credits:

[Animation graphic](#) by the U.S. Nuclear Regulatory Commission. Online, courtesy NRC.

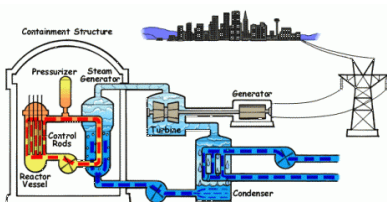
See [Alignments to State and Common Core standards](#) for this story online at:

<http://www.awesomestories.com/asset/AcademicAlignment/Nuclear-Power-Animation-Pressurized-Water>

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## Media Stream



### Nuclear Power Animation - Pressurized Water

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