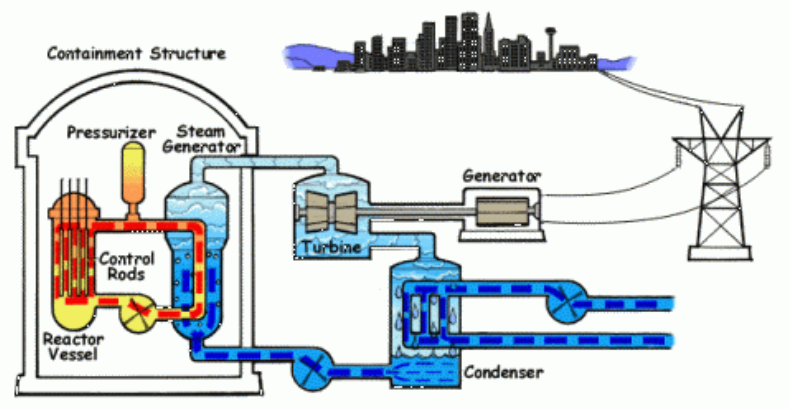
Nuclear Power Animation - Pressurized Water



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.

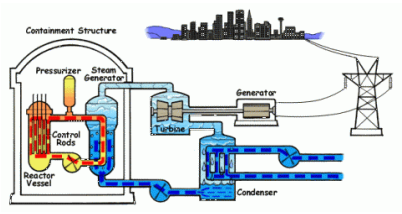
Credits:

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

See Learning Tasks for this story online at:
http://www.awesomestories.com/asset/AcademicActivities/Nuclear-Power-Animation-Pressurized-Water

Media Stream



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