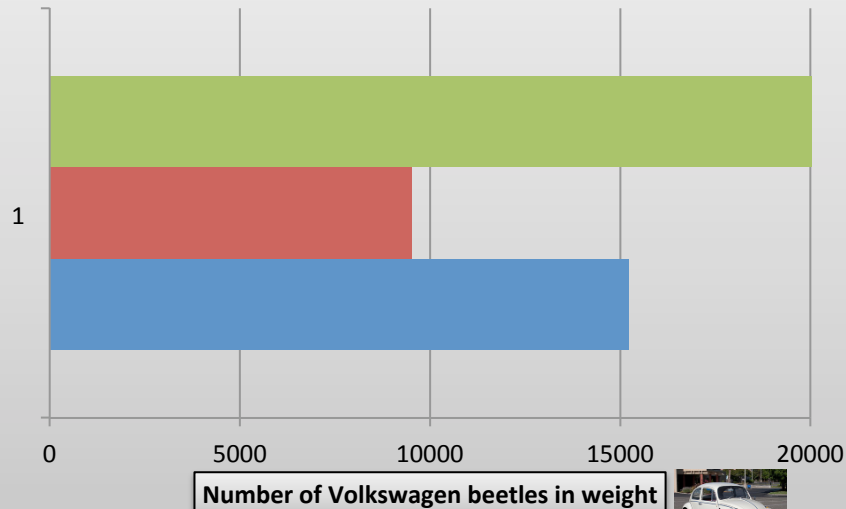


ARKANSAS NUCLEAR ONE

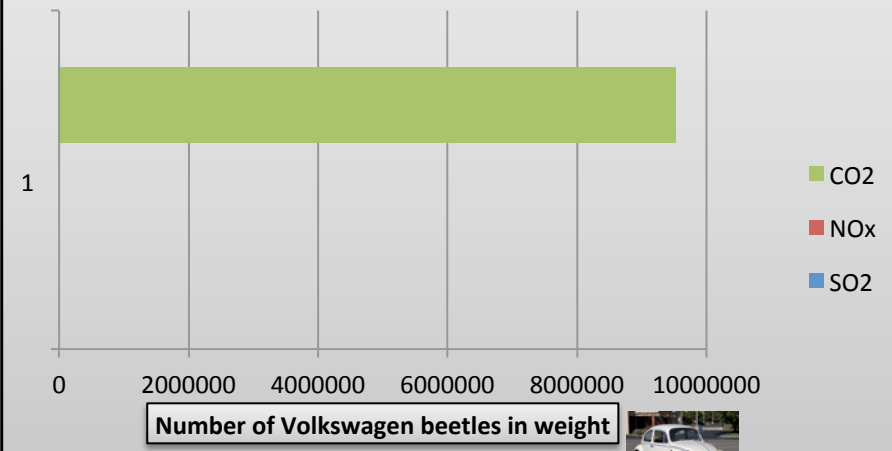


With use of Arkansas Nuclear One, 1,823 megawatts or roughly 30% of Arkansas's power usage is supplied. Created by a process called fission in which uranium oxide (UO_2) has a neutron added to its nucleus the added weight is "the straw that broke the camel's back," so to speak. The UO_2 breaks apart into heat, krypton, neutrons, and barium. The neutrons will continue that process leading to a chain reaction; however water has been found to soak up the free neutrons before they can continue the reaction. Thus water is used to control the reaction of UO_2 . After which feats of engineering allow the production of clean steam and electricity.

2011 Emissions report of pollution avoided by the use of nuclear one



2011 Emissions report of pollution avoided by the use of nuclear one (Continued)



By using Arkansas Nuclear One instead of traditional fossil fuel burning power plants it was estimated by the Environmental Protection Agency during 2011 20,052,000,000 pounds aka. 6,797,288 Volkswagen beetles greenhouse gases were not released.



sources

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