

**KENTUCKY UNITED NATIONS ASSEMBLY  
OFFICIAL PROPOSAL**

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Proposal #: **63**

Assignment: **G**

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Country: **Iceland**

School: **Saint Xavier HS** City: **Louisville**

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Title: **An act to Build a Longterm Nuclear Waste Storage Facility in Iceland**

BE IT HEREBY ENACTED BY THE GENERAL ASSEMBLY OF THE UNITED NATIONS

Justification Clause: Nuclear energy is currently used in nearly 30 countries to provide safe and reliable energy. However, once uranium is used in a reactor, it must be stored somewhere while it loses its radioactivity. After spending some time in pools at the power plant, the spent uranium must be moved to a long-term storage site for thousands of years. Currently, no such facility exists.

Section I: The site will be built at 64°53'21.77" North by 17°41'21.54" West approximately 70 kilometers from the coast and 284 kilometers from the capital, Reykjavík.

Section II: Spent uranium will be transported to Iceland via ships and moved to the site the storage facility by train in R72 Type B Casks, which have proven themselves extremely safe and reliable.

Section III: The storage facility will be 1000 meters deep and re-enforced with 2 meters of concrete. The spent uranium will remain inside the R72 Type B Casks that were used in shipping. The casks will be lowered to the bottom of the facility by a lift where they will roll on tracks to the location where they will be stored.

Section IV: The estimated cost for the storage facility is \$80 billion. The UN will loan this money and be repaid with 10 percent interest. Each country will pay \$250,000 per cask. The facility will hold roughly 975,000 casks, good for about 220 years worth of nuclear waste with energy consumption growth accounted for. It will require approximately 352,000 casks to pay for the facility, which will take about 88 years to pay off at current consumption. If consumption increases, then it will be payed off sooner. After the facility has been repaid, storage fees will go towards paying for maintenance and research.

Section V: Construction of the facility will take approximately 40 years; however, storage of nuclear waste will be possible after about 25 years while the facility is still being constructed.

Section VI: A security team of 20 armed guards will be present on site at all times. This will cost approximately \$1 million and will be payed for proportionally by nuclear countries.

Section VII: The storage facility will be inspected by UN nuclear regulators twice a year.

Section VIII: Construction of the site will begin immediately upon passage.