



THE DEPARTMENT OF ENERGY HAS PROPOSED ENDING THE MOX PROJECT.

WHY IT'S TIME TO CANCEL MOX:



1 COST OVERRUNS AND DELAYS

- The National Nuclear Security Administration (NNSA) told Congress in 2002 MOX would be **fully operational in three years and cost \$4 billion**.
- 15 years later, \$5 billion has already been spent on construction, and life-cycle cost estimates — which include finishing construction and operating the plant for 20 years — fall anywhere between **\$25.1 billion and \$110 billion**, depending on annual appropriations from Congress.
- The FY2016 omnibus spending bill appropriated **\$350 million** for MOX. Continued funding at this level will **cost \$110 billion and delay completion to the year 2100**.

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2 SUPPLY WITHOUT DEMAND

- **The MOX facility lost its only potential customer in 2008.** The contractor in charge of the project hasn't found a single party willing to purchase MOX fuel.
- **MOX fuel was used in the Fukushima Daiichi nuclear reactor.** In light of that disaster, MOX fuel is unlikely to attract new customers before undergoing significant safety testing.

3 SECURITY VULNERABILITIES:

- In the event of a terrorist threat, nuclear facilities must be able to verify the location of all special nuclear materials within 72 hours.
- If nuclear materials were stolen from MOX, **it could take 180 days — 60 times the safety requirement — to physically verify** the presence of all special nuclear materials at the facility.

WHAT'S THE ALTERNATIVE?

- **Independent experts have concluded that the “dilute and dispose” method would be significantly cheaper, faster, and less risky over all.** Savings could be as high as **\$92 billion**.
- Disposal can be done more cheaply and effectively at the Waste Isolation Pilot Plant in New Mexico, which already contains similarly diluted plutonium and will reopen in December 2016.
- The Energy Department can exercise options under the current Plutonium Management and Disposition Agreement to re-open negotiations with Russia and has stated that Russian officials are open to such discussions.

FOR MORE ON MOX, VISIT POGO.ORG OR CONTACT:

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MOX: THE ULTIMATE MONEY PIT

A project years behind schedule, 1000% over budget

NNSA signs MOX deal with Russia



NNSA initial life-cycle* cost estimate:

\$4 BILLION

MOX is placed on cold-standby. NNSA estimates life-cycle cost as:

\$30 BILLION

Life-cycle cost, only if funding increases to \$500mn/year:

\$47.5 BILLION

Life-cycle cost if funding stays at \$350 mn/year:

\$110 BILLION

\$3 BILLION SPENT

\$5 BILLION SPENT

When MOX was supposed to be fully constructed



Construction actually begins ... and has not yet ended



2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2044 2100

* Life-cycle cost estimates include the cost of building the facility and operating it for approximately 20 years.