



# Energy Security Action Committee Report

## ***“20 Questions About Recycling Nuclear By-Products”***

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NevadansCAN Energy Security Action Committee’s 20 Questions Supporting Recycling Nuclear By-Products serves to challenge the credibility and sincerity of political objections to opening of the Yucca Mountain Repository as a National Nuclear Recycling Center. Each question in this list is intended to be respectfully asked by non-expert individuals in letters and at public events. They will sometimes contain purposefully overlapping points.

1. Isn't it true Nevada citizens have been denied the truth concerning the major economic, energy choice and national security benefits to them from hosting a National Nuclear Recycling Center in addition to short-term storage areas?
2. Isn't it true that false claims are being routinely delivered to the public by most Nevada media and elected leaders based on old/inaccurate public opinion polls and scientific data with the obvious intent of undermining the opening of a temporary Yucca Mountain spent fuel storage and adjoining Nuclear Recycling Center?
3. Isn't it true it is not economically feasible to implement a Yucca Mountain Repository without a parallel Reprocessing/Recycling Plant? Why doesn't Nevada negotiate for the hundreds of millions of federal funds needed to build such a plant to enjoy the jobs, profits and benefits? Couldn't a portion of the profits derived from reprocessing and selling recycled fuel rods back to operational nuclear plants be paid as cash dividends or tax credits to Nevada citizens similar to the Alaskan pipeline deal?
4. Isn't it true that our citizens are being denied from knowing the full truth about the tens of billions of national taxes and citizen energy rate payments being unfairly collected for decades by Government officials who have blocked the opening of YM as the national temporary storage and recycling center for nuclear by-products?
5. Isn't it also true that it would be impossible to afford to build only one, isolated dump site, and that from 3 to 10 more permanent nuclear dump sites would be required for future spent rods if such a flawed, million-year dumping policy was implemented?
6. Isn't it true there are no valid health, water, or transportation impacts or negative Nevada visitor opinion data supporting deceptive political oppositions to opening up a Nevada Nuclear Repository and a Nuclear Recycling Center on the NNSS?



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7. Isn't it true that all claimed concerns about opening a million-year nuclear waste dump in Yucca Mountain can be eliminated by simply constructing and operating a Recycling Center and converting used nuclear fuel rods into new fuel rods and safely return them to refuel the nuclear power plants originating the used rods?
  8. Isn't it true that so-called "spent" fuel rods contain 95% to 97% recyclable/reusable Uranium materials that cannot be considered true "waste"? Plans to “dump” them must be considered totally wasteful behavior!
  9. Isn't it also true that the only feasible and economical plan for handling hundreds of tons of used fuel rods containing 95-97% recyclable minerals is to recycle and reuse them in current reactors and/or burn them up/consume them in new generation, "fast and/or fast breeder" and other advanced reactors?
  10. Isn't it true that some such advanced "fast/fast breeder" reactors can be sealed, can internally “burn up/consume” all recycled nuclear materials, create no external emissions, and not have to be opened and refueled for up to 30 years?
  11. Isn't it true that sealed, buried underground, walk-away-safe, advanced reactors could be installed in existing land areas to replace massive, above ground reactors, coal, and gas heat generators to stop generation of accumulated by-products and harmful emissions?
  12. Isn't it also true that some advanced nuclear reactors could be built to be sealed, buried underground to protect against tampering and terrorism, release no harmful emissions, be walk-away-safe, and reliably and cheaply produce electricity 24 hours, 7 days a week, for 365 days a year without refueling for up to 30 years?
  13. Isn't it true that over 38 states have been forced to unnecessarily hold huge stockpiles of spent nuclear fuel rods costing tens of billions of dollars to fellow American tax payers due to apparent conflicts of financial interests by some politicians who favor solar, wind and fossil fuel alternatives over clean and carbon-free nuclear power?
  14. Isn't it true that Nevada politicians blocking YM as a nuclear recycling center are causing the federal government to waste tens of millions of tax dollars for having to pay states for legal settlements for failing to open YM?
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15. Isn't it true that about 38 other states are being forced to accumulate thousands of tons of dangerously-located spent fuel rods near oceans, great lakes and rivers where they are highly vulnerable to natural disasters and terrorism attacks that could create national toxic, radio-active clouds? And, with winds causing distribution of a deadly combination of widespread radio-active fallout, does NV not have a duty to help avoid/prevent it?
16. Isn't it true that tens of millions of other state American electricity customers are being forced by misguided Nevada political policies to pay unnecessarily (a) for the acquisition, improvements and maintenance of unneeded secure storage space, (b) for construction and open storage of thousands of unneeded used fuel rod storage casks, and (c) for holding spent fuel rods at highly vulnerable power plant sites instead of routinely shipping the used rods to a lawfully-ordered repository and recycling plant site?
17. Isn't it true that U.S. companies are vulnerable to losing their nuclear technical edge and must have access to the finest Small Modular Reactor technologies and fuels at minimum costs to compete in global markets being led now and likely to be dominated by such as nations as China, Russia, France, India, Japan, UK and South Korea?
18. Isn't it true that millions of state and federal taxes are being unwisely/wastefully spent by Nevada politicians to create unreasonable and dangerous delays in opening the National Yucca Mountain Repository and a National Nuclear Security Site Recycling Center?
19. Isn't it true that Nevada businesses, citizens and government will massively benefit from turning Nevada into a 21<sup>st</sup> Century National Carbon-Free Energy Center? Are such actions highly likely to be followed by public-private ventures to implement a National Carbon-Free Energy Laboratory, a Carbon-Free Energy R&D Center, Small Modular Reactor Systems Manufacturing Park, and Carbon-Free Energy Farm Production Center?
20. Isn't it true that governments and businesses will deserve the public and social media ridicule received for blocking federal opportunities to implement a NV National Nuclear Recycling Plant and forfeit all of the massive, directly-related business opportunities?