

## To begin operation:

There needs to be:

Assured continuation of \$2 to 3 billion annual funds.

New Environmental Impact Statement

New License Application

New Nevada rail route would have to be built

Repository would have to be built with 40+ miles of waste emplacement tunnels

A license to receive and possess waste would have to be approved and all litigation settled

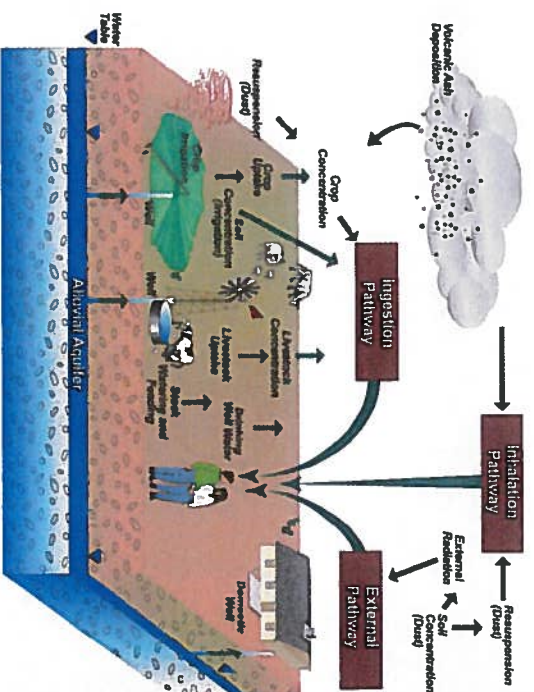
There would need to be permanent approval for:

- Nevada land withdrawal
- Nevada water rights

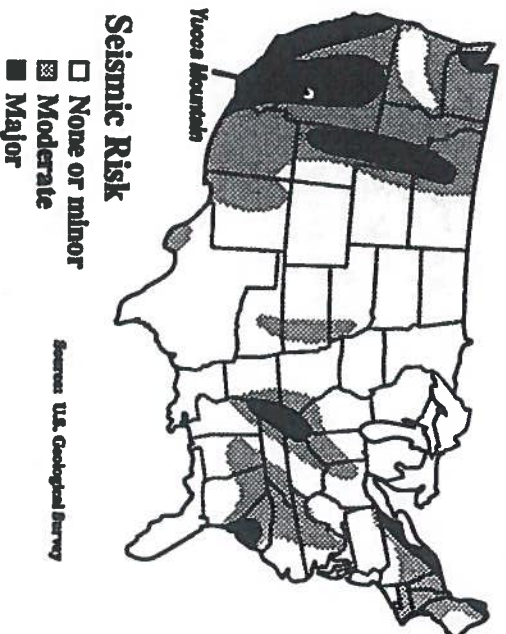
DOE total cost estimate – \$100 billion more than has been spent

What the \$100B doesn't cover:

- Accidents
- Litigation costs
- Collateral impacts of 30 years of shipments



## Seismic Risk Map of the U.S.



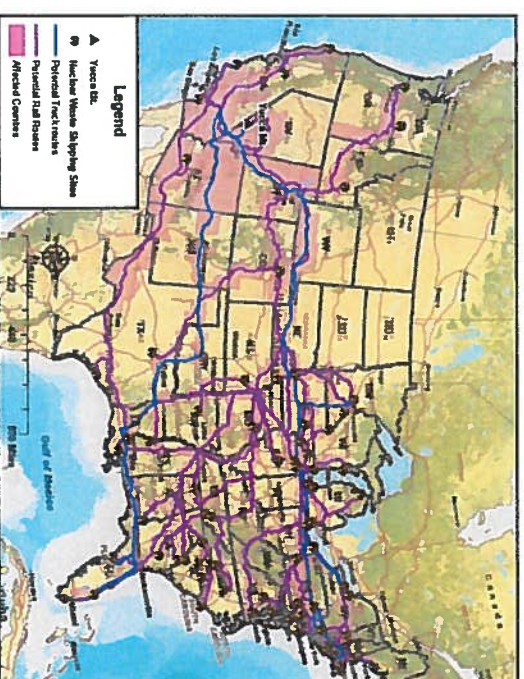
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Yucca Mountain  
1987 - 2017



## Nuclear Waste Shipment Routes



# History of Yucca Mountain



1987 - Congress names Yucca Mountain (Screw NV Bill)

1995 - Exploratory Studies Facility 5-mile tunnel completed

2002 - Department of Energy (DOE) finishes Site Characterization and recommends development of Yucca Mountain repository

2002 - President and Congress approve Site Recommendation

2002 - State of Nevada vetoed site and was overridden by Congress

2008 - License Application submitted to Nuclear Regulatory Commission (NRC)

2010 - License Application withdrawn by DOE. Congress stops funding



2011 - NRC suspends processing license application

2013 - Court orders NRC to continue processing license application and the licensing hearing remains suspended due to lack of funds

2017 - 34 years later, \$14B spent by DOE on a US repository program

To restart program:

Congress would have to approve \$2 to 3 Billion per year, every year

A new radioactive waste management authority would have to be established and staffed

New publicly accessible document database would have to be established

New Site Characterization to check conditions at the site – tracks, inside tunnel walls for degradation, mold, corrosion AND consider new features, events and processes (FERs) for high burnup fuel, new waste package design

Repository and above ground facilities would have to be redesigned  
Nevada rail access would have to be redesigned

