

What's the Holtec Proposal?

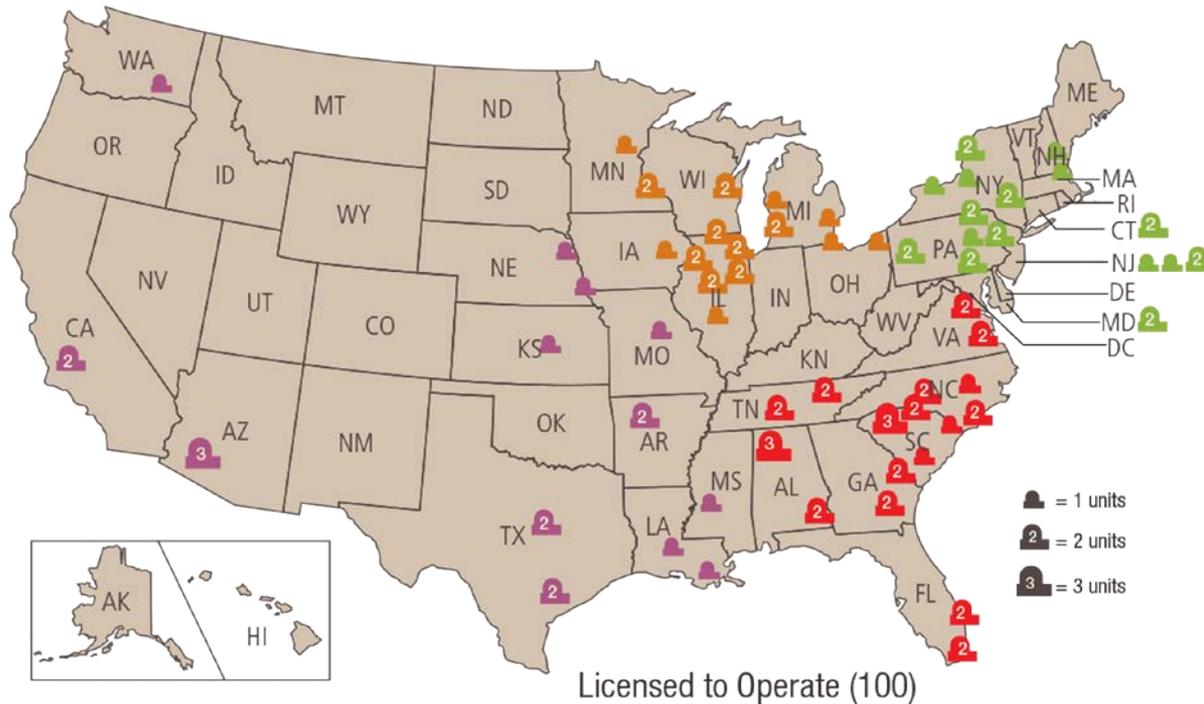
Nuclear New Mexico –
Enough is Enough!
Santa Fe, New Mexico
April 16, 2018

Don Hancock

Southwest Research and Information Center

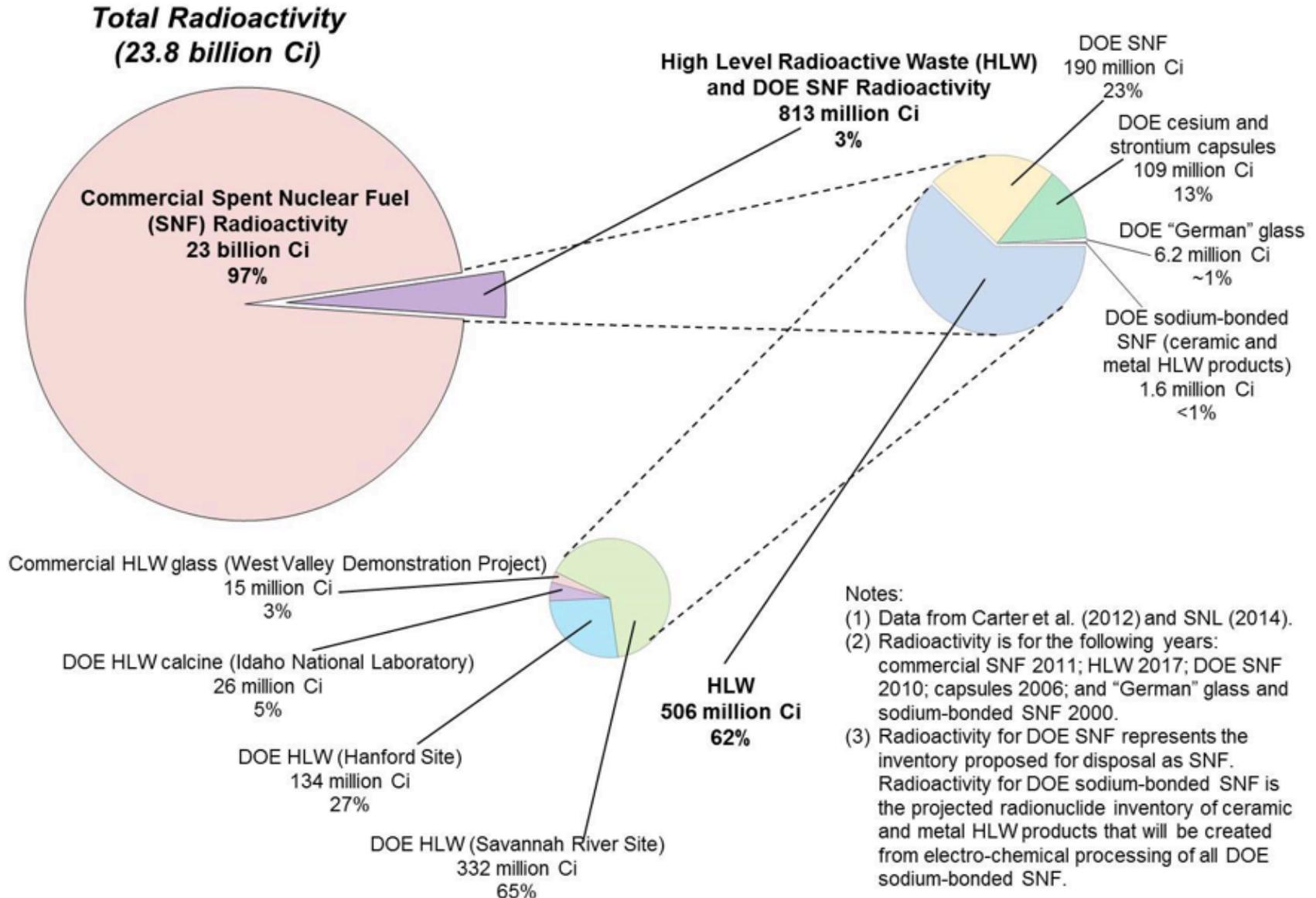
Nuclear Power Plants

U.S. Operating Commercial Nuclear Power Reactors

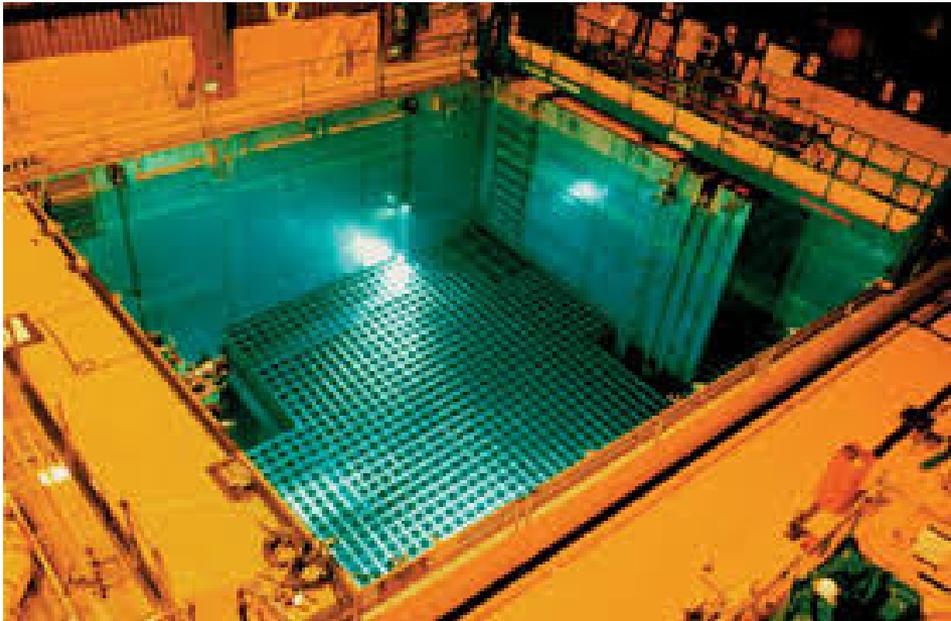


- ~ 94% of operating reactors are east of 100th meridian
- ~ 92% of spent fuel is east of 100th meridian

VERY Radioactive Waste



Storage Today



Surry - Virginia



San Onofre - California

Basic Questions

- ❖ If the waste is safe where it is, why bring it to New Mexico?
- ❖ If waste storage is good for the economy, why do the nuclear reactor communities not want to keep it?

Basic Facts

Holtec Site is between Carlsbad & Hobbs



Basic Facts

- ❖ NRC Application submitted March 31, 2017
 - Dec. 2017 Environmental Report is 543 pages
 - Safety Analysis Report is 536 pages & other documents
- ❖ 100,000 Metric Tons of Commercial Spent Fuel
 - 500 canisters per year for 20 years, starting in 2022.
 - About 80,000 Metric Tons now stored*
- ❖ Spent Fuel to be shipped by rail
 - Loaded Transport cask weighs 371,000 lbs. to 414,800 lbs.
- ❖ Waste could be stored for 120 years (40-year license, plus two extensions)

Holtec Site Now

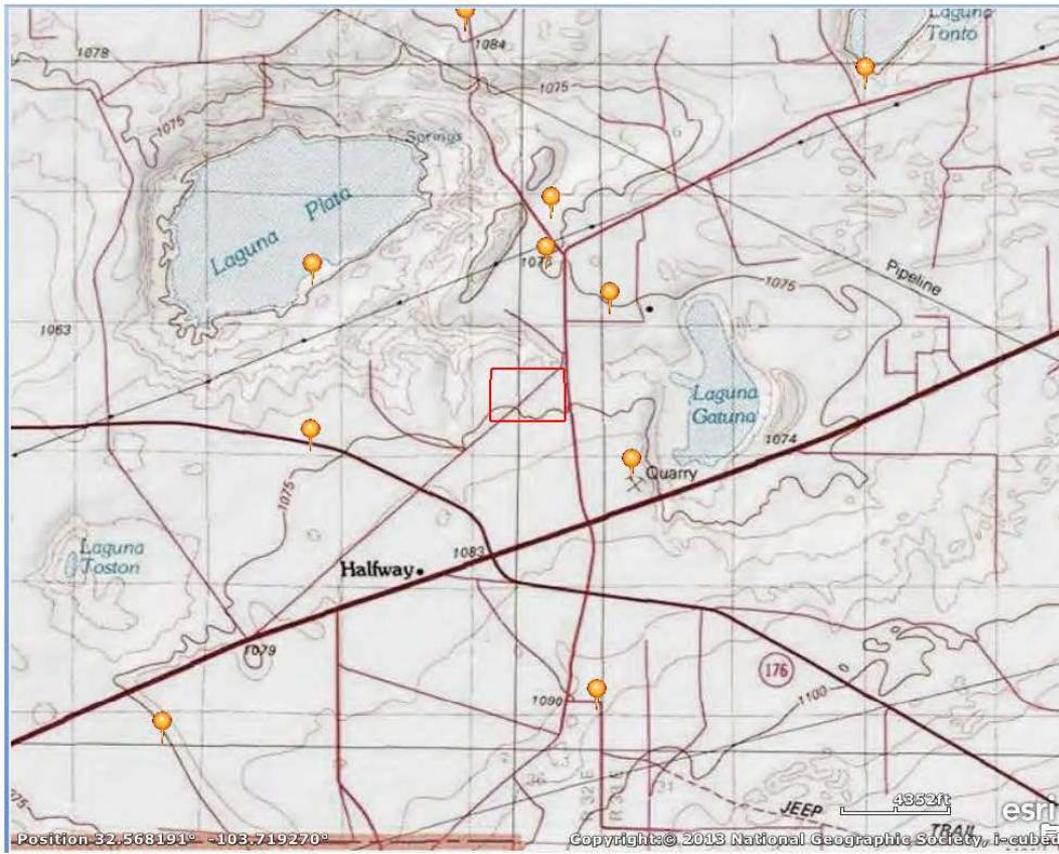
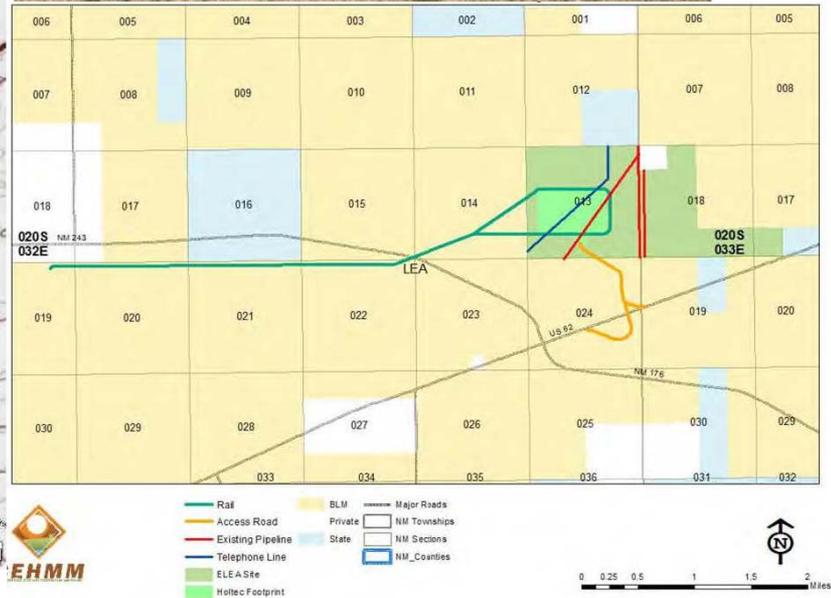
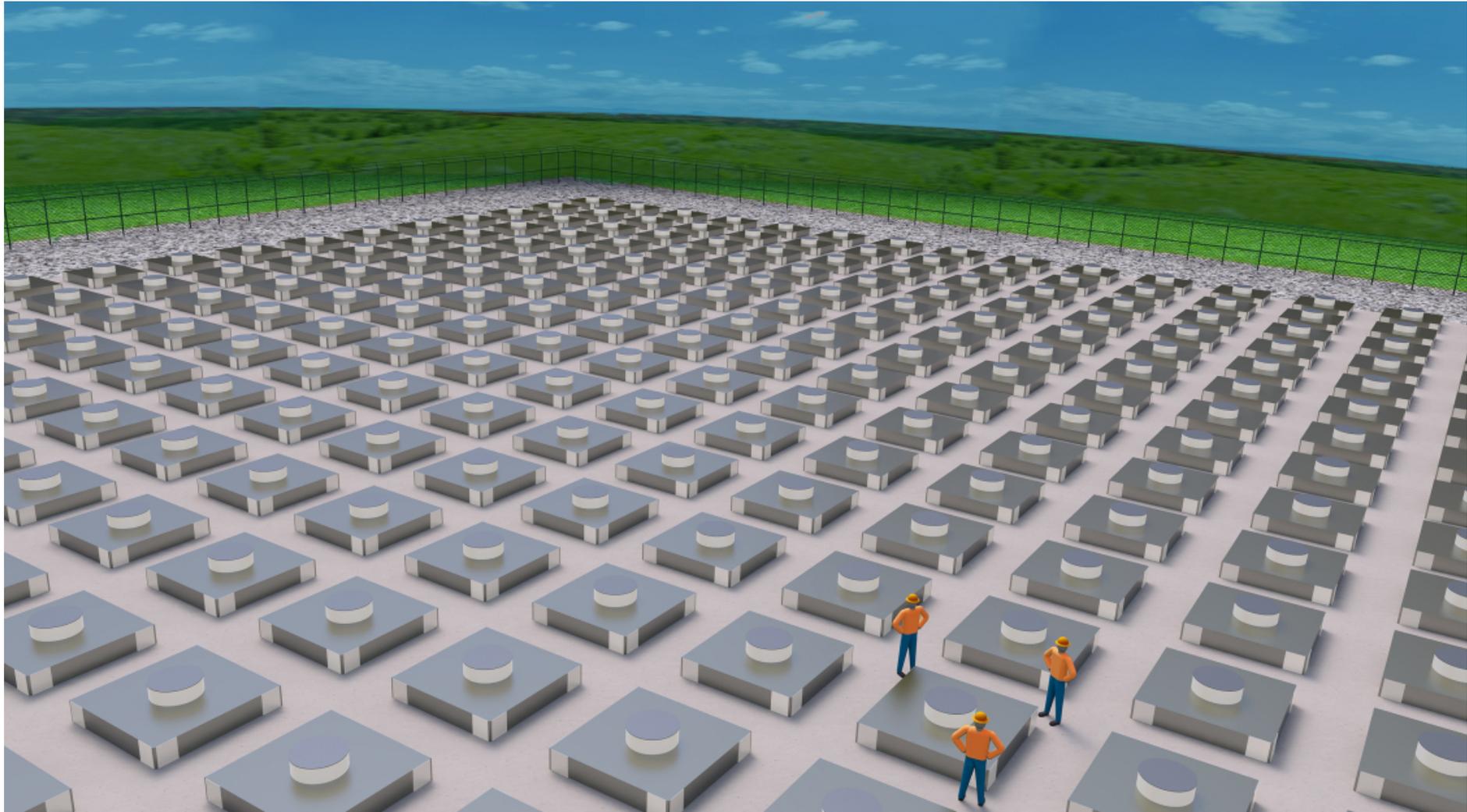


Figure 2.1.12: Mineral Resources near the Site

Figure 2.1.11: Surface Land Ownership in the Vicinity of the Site [2.1.15]

Holtec Storage

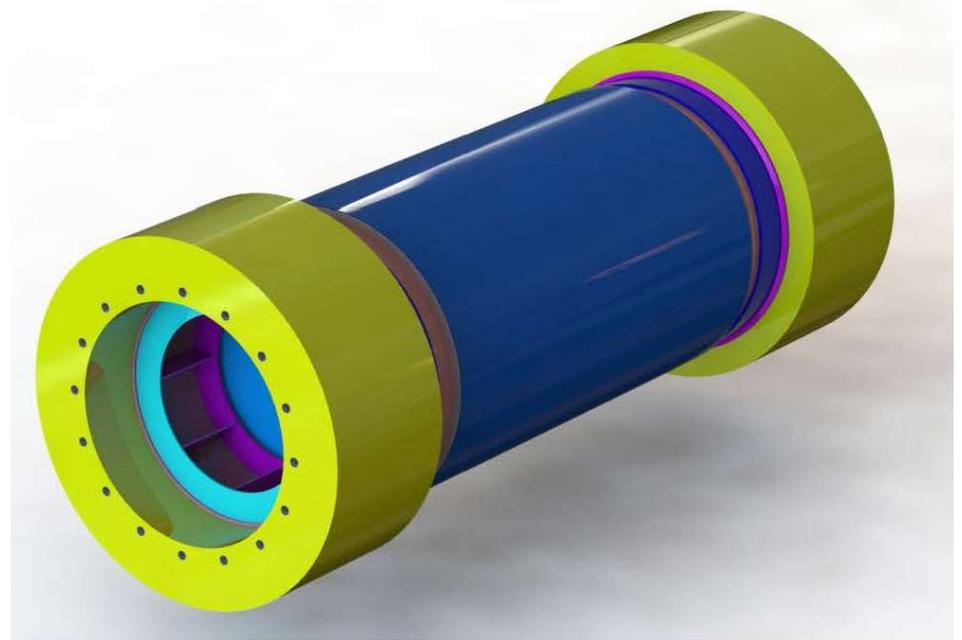
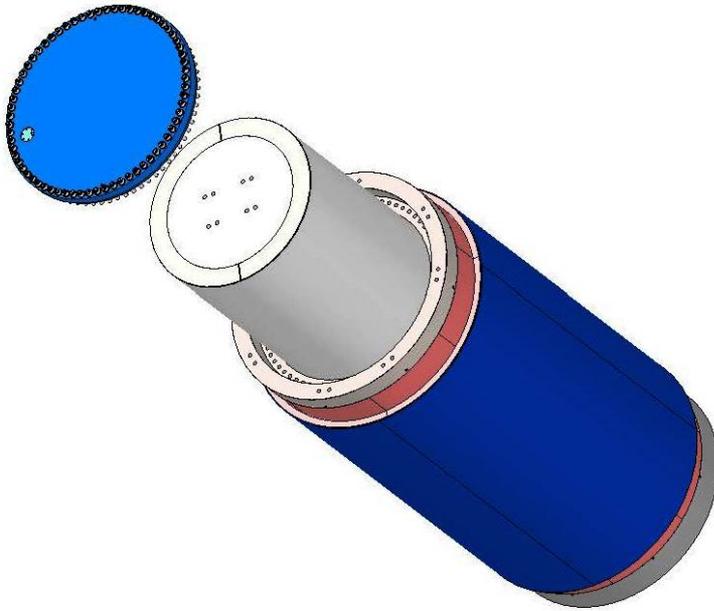


Holtec Storage Canister



10,000 Planned

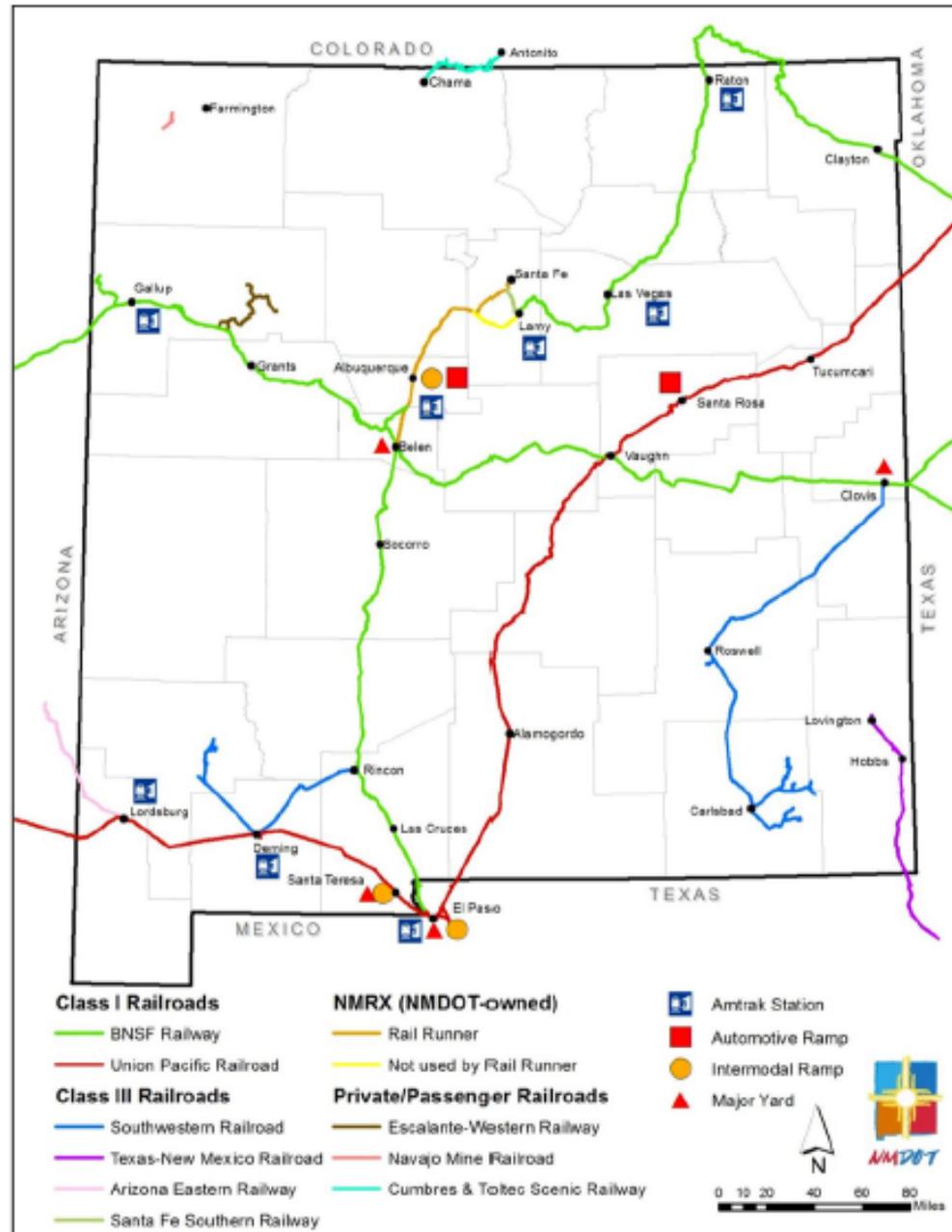
HI-STAR 190 Transport Cask



Cask length = 15' 9"/17' 8"
Internal Diameter = 6'4"
Outer Diameter = 8'10"

Waste Loaded weighs
371,000 lbs. to 414,800 lbs.

Figure ES.1 New Mexico State Rail System in 2014



Current Law

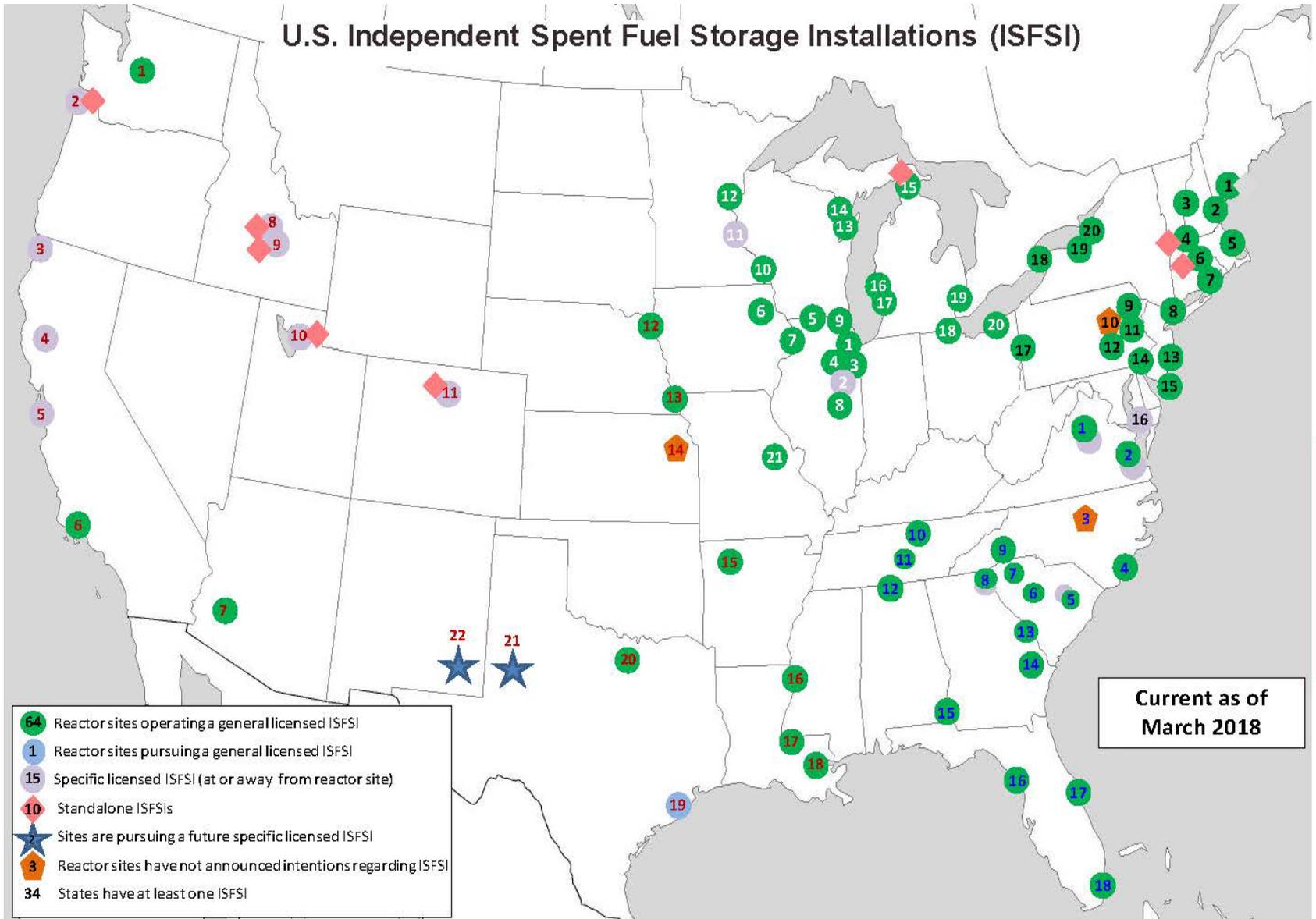
- ❖ Nuclear Waste Policy Act – “Polluter Pays” – Nuclear Utilities pay for storage on site and private storage
- ❖ Holtec application says Department of Energy (DOE) would pay for transportation, which is not allowed by current law

Existing Consolidated Storage

- ❖ Private Fuel Storage is located in Tooele County, Utah
- ❖ NRC issued 20-year license on February 21, 2006
- ❖ Site not used because of public and state opposition, establishment of Cedar Mountain Wilderness Area, BLM not granting access, and BIA not approving lease

Existing Storage

U.S. Independent Spent Fuel Storage Installations (ISFSI)



Next Steps in NRC process

- ❖ NRC has public comment period until May 29 on environment impact statement scoping
- ❖ Public meetings in Roswell (April 30), Hobbs (May 1), and Carlsbad (May 3)
- ❖ Send public comments to: [regulations.gov](https://www.regulations.gov)
Docket ID NRC-2018-0052
- ❖ NRC issues notice of schedule for Intervening and submitting Contentions in the licensing case.
- ❖ Various parties file motions to intervene

Reality: Lots of Opposition



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Reality: Lots of Opposition



Opposition Makes a Difference

“WCS respectfully requests that the NRC temporarily suspend all safety and environmental review activities as well as public participation activities.” 4/18/17

“WCS also is faced with a magnitude of financial burdens that currently make pursuit of licensing unsupportable. This is so because following the recent docketing of the CISF application in January 2017, the cost profile for WCS’ pursuit of the CISF application has increased dramatically.”

Opposition Makes a Difference

NM senators oppose interim N-waste site

*Proposed depository would store
rods from commercial power plants*

BY KEVIN ROBINSON-AVILA
JOURNAL STAFF WRITER

5/1/15
B1

New Mexico's U.S. senators, Democrats Martin Heinrich and Tom Udall, released statements on Thursday opposing a proposal to build an "interim" storage site in southeastern New Mexico for spent nuclear fuel from commercial power plants in the U.S.

Both senators said that any proposal for an interim depository should not be considered until there is a permanent solution to disposal of the nation's nuclear waste.

Opposition Makes a Difference

“I oppose the Nuclear Waste Policy Amendments Act of 2017 (HR 3053), which unfortunately makes it more likely that a future interim storage site becomes a permanent home for nuclear waste.”

Rep. Ben Ray Luján - 2017

Resources

Holtec NRC documents:

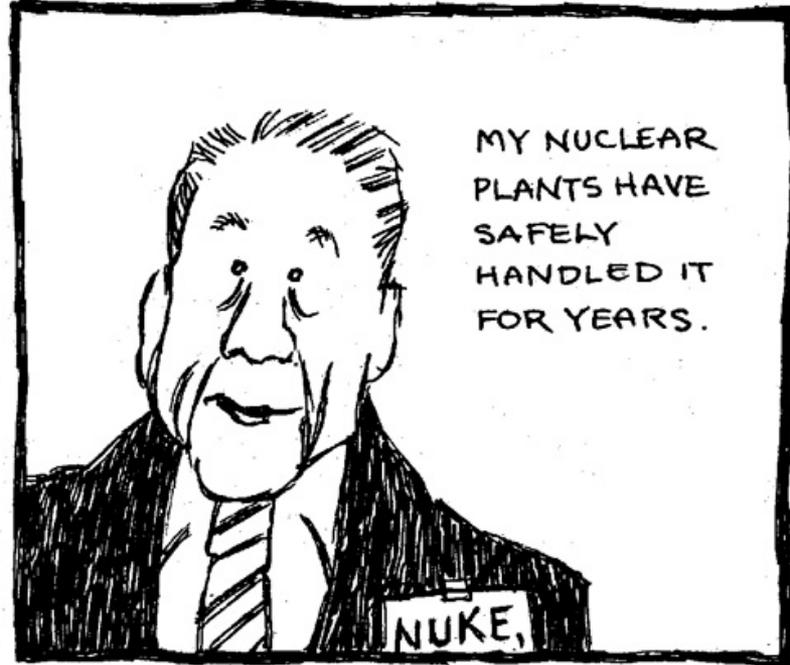
<https://www.nrc.gov/waste/spent-fuel-storage/cis/holtec-international.html>

Holtec community opposition:

<http://nonuclearwasteaqui.org>

Holtec's website:

<https://holtecinternational.com/product/sandservices/hi-store-cis/>



Contact Information

Don Hancock

Southwest Research and Information Center

PO Box 4524

Albuquerque, NM 87196-4524

(505) 262-1862

(505) 262-1864 (fax)

sricdon@earthlink.net

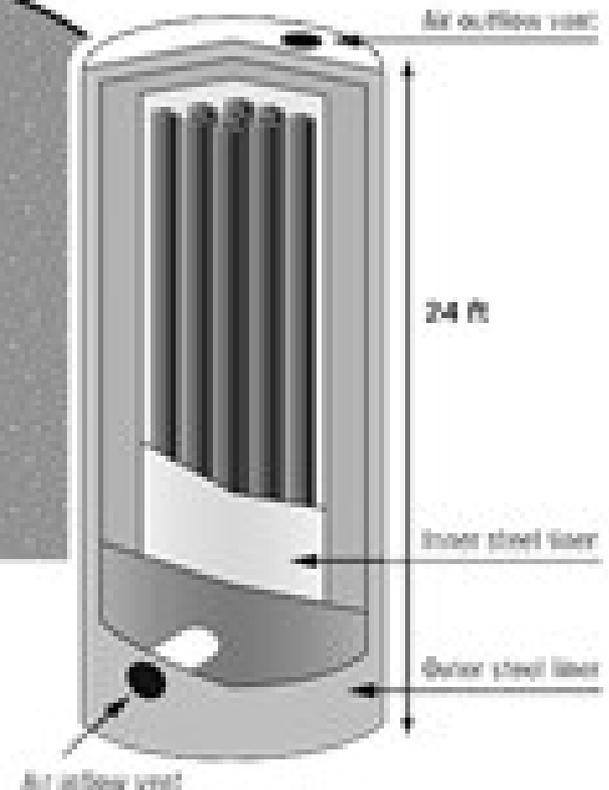
www.sric.org

Hardened On-Site Storage (HOSS)

Earth/gravel berms should surround each cask and hide from ground-level view.



Nuclear rods cooled by simple air convection.



**Potential Target: 24 to 36
Bundles of Nuclear Rods**