



**EDDY-LEA ENERGY ALLIANCE/HOLTEC
PROPOSAL**
*A Consolidated Interim Storage Facility for
Used Nuclear Fuel & HLW*

A Briefing to the Radioactive & Hazardous Materials Committee

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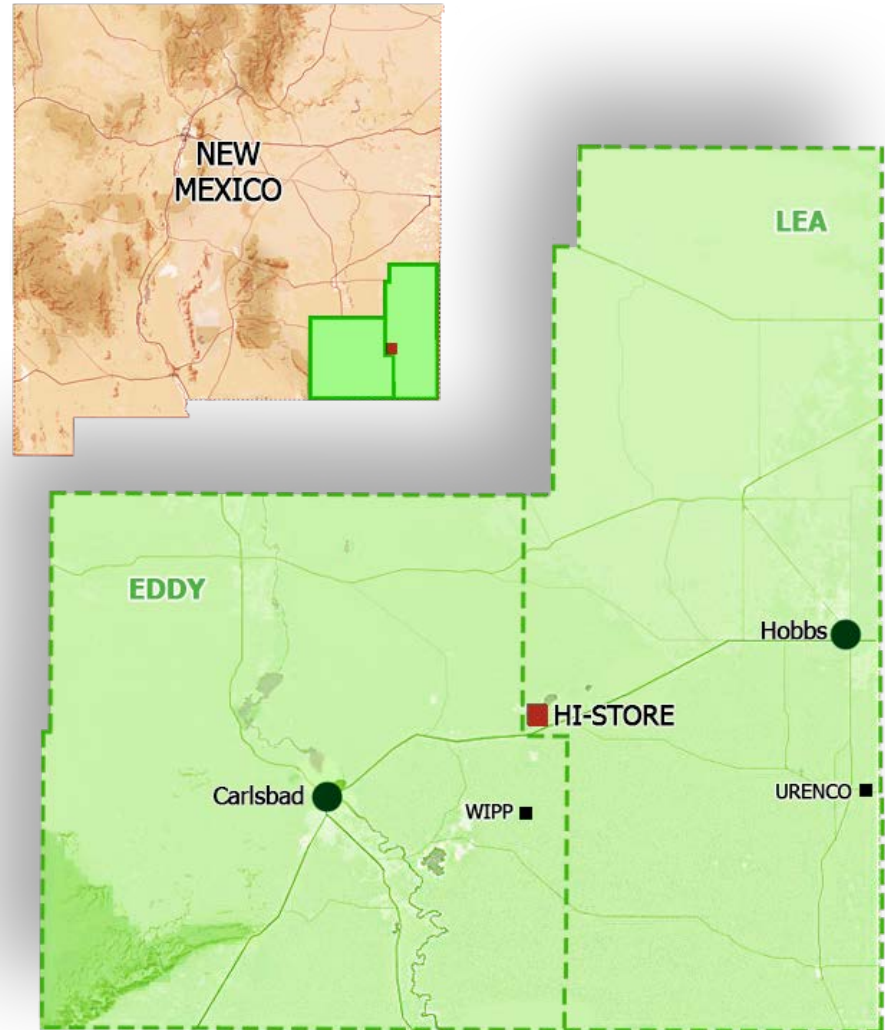
Who is the EDDY-LEA Energy Alliance?



- Formed in 2006 under JPA to bid on GNEP project and to develop joint economic development projects
- Made up of Carlsbad, Eddy County, Hobbs, Lea County
- Alliance board has 2 from each entity – 1 must be elected
- Characterized 1,000 acres for project
- Was a finalist, but GNEP discontinued
- Blue Ribbon on America's nuclear future began in 2012
- Clear interim storage to be recommendation
- Board vetted CIS carefully for safety & security

Great Site for CISF

- 1,000 acres: geologically stable, dry, elevated land
 - ✓ No Potable Aquifers
- Developed infrastructure: electric, water, roads & rail
- Remote location:
 - ✓ 35 miles from nearest town
 - ✓ Midway between Carlsbad & Hobbs, NM
- Populace: robust scientific & nuclear workforce
- Strong support:
 - ✓ Local communities
 - ✓ State & Local government



Why Consolidated Interim Storage?

- 15 Decommissioned Facilities and 8 More by 2025
- CIS is the missing piece of a disposal SYSTEM
- Age fuel safely before disposal
- Risky Locations removal (Rivers, Lakes, Oceans, Dense Populations, Seismically Active) 1/3 of U.S. population lives 50 miles from SNF
- Fuel Pools are packed
- Some sites have no storage capabilities
- Disposal Facility Will be in West (Yucca Mountain)
- CIS is 2/3rds of Distance to Repository – No Additional Transport Risk
- D&D sites Become Greenfields
- Research Flexibility
- Dispels Arguments There Are No Solutions

Why We Need CISF

- BRC Recommendation After much study
- Stops Law Suits—DOE can take title and move to CIS
- HI-STAR Cask & Transport Extremely Safe
 - ✔ NRC Licensed
 - ✔ Virtually Indestructible
 - ✔ Transport Controlled by DOT, FRA, NRC
- Economics:
 - ✔ Oakridge Study 2016
 - No CIS by 2040 Cost \$53 Billion – With CIS SAVES \$15 Billion
 - No CIS by 2050 Cost \$59 Billion – With CIS SAVES \$30 Billion
 - No CIS by 2060 Cost \$67 Billion – With CIS SAVES \$54 Billion
- It is Environmentally and Morally Right to Store Safely
- Very benign, no pumps, no moving parts, 40 year license



Why Holtec?

- Sent out RFI to major nuclear storage companies
- Received personal presentations from several
- Very instructive for board
- Spent time understanding national politics
- Spent time visiting closed nuclear plants
- Developed RFP
- Holtec was chosen
 - ✔ Best record for safety
 - ✔ Below-grade system is safest, most secure in the world
 - ✔ Versatile system– can take any canister
 - ✔ Financially very stable
 - ✔ U.S. based Company
 - ✔ Robust transportation cask
 - ✔ Agreeable to incentive package for state and region
 - ✔ 52% of storage in the U.S.

What are State & Area Benefits?

- State incentive payments
- Local area incentive payments
- \$2.4 Billion capital investment
- 240 Jobs
 - ✓ 100 Construction workers for 10 years
 - ✓ 100 Technical RAD trained material handlers and security force
 - ✓ 10 Rail car and transport cask maintenance
 - ✓ 15 Silo construction welders and fabricators
 - ✓ 5 Center of excellence for Holtec world wide training

Final Thoughts

- There will be a Consolidated Interim Storage Facility!
- New Mexico or Texas?
- If in Texas:
 - ✓ Eunice 2 miles away, Hobbs 15 miles & Jal 15 miles
 - ✓ New Mexico has all the emergency response responsibility
 - ✓ **Texas would get all the benefits and New Mexico still has all responsibility**
- WIPP & URENCO have been great projects for our area
- Rural areas have to find their niche
- WIPP & URENCO have stabilized our Southeast NM economy