



A CENTRALIZED INTERIM STORAGE FACILITY FOR USED NUCLEAR FUEL

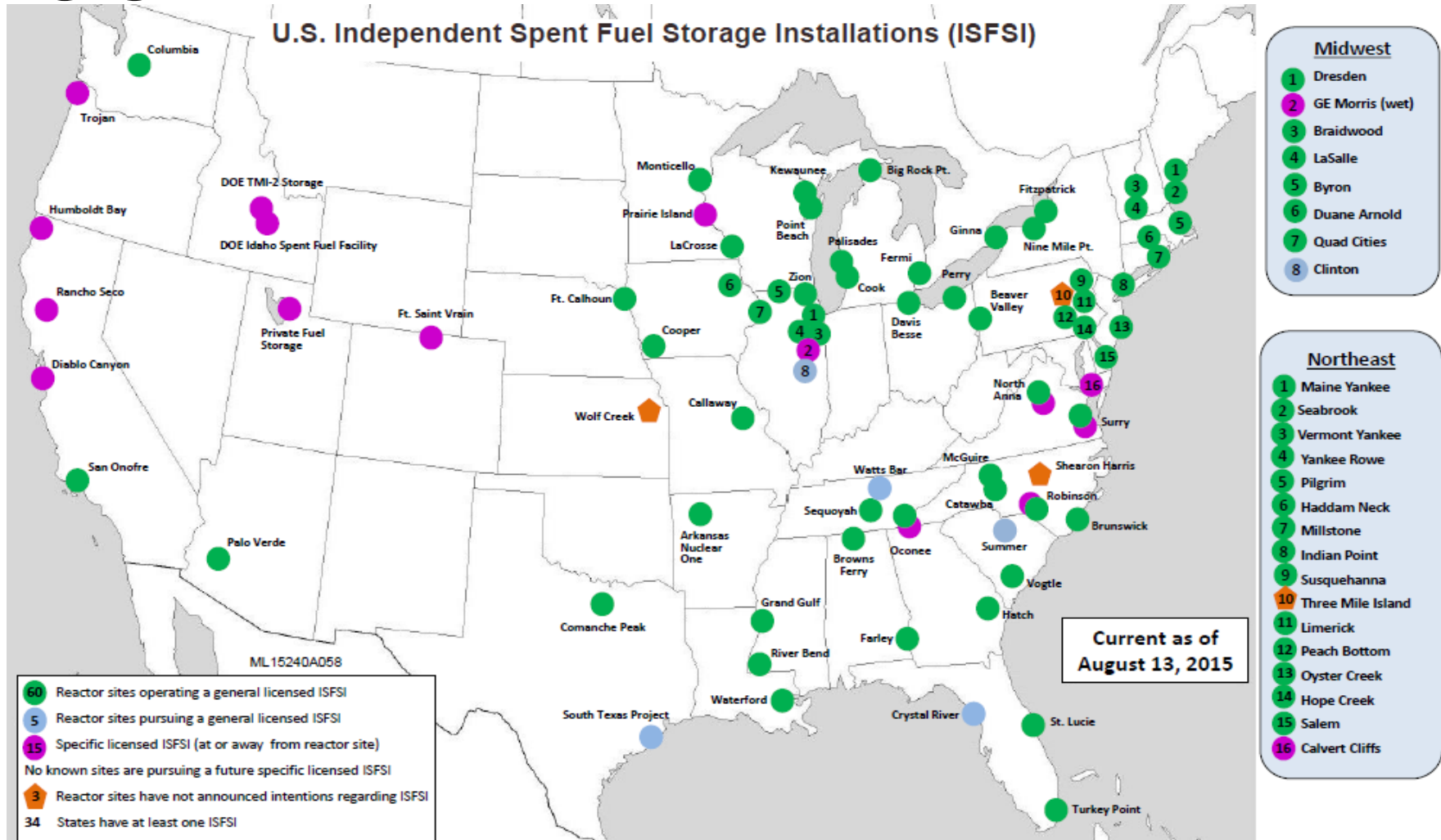
A PARTNERSHIP OF THE EDDY-LEA ENERGY ALLIANCE AND HOLTEC INTERNATIONAL

By: John Heaton, Chairman ELEA, LLC

What Are The Waste Solutions

- Consolidated Interim Storage
 - Most Immediate Solution (4-5 years)
 - Need Access to Nuclear Waste Fund (Law)
- Geologic Repository
 - Years From Reality
 - WIPP Clear Option – Takes LWA Change)
- Technical Solutions
 - Reprocessing SNF
 - New Reactor Technology Could Burn SNF

Interim Dry Storage Sites in the U.S.



Map courtesy of Ux Consulting, StoreFuel, SIF206,
10/6/15

Why Do We Need Consolidated Interim Storage?

- CIS is a perfect compliment to a future repository – not a permanent solution
- CIS is a safe and secure way to age the fuel before storage at a future repository site
- Recommended by the BRC
- At 7 decommissioned sites, the spent fuel stored on-site is all that prevents from releasing the land to other uses
- CIS is the shortest path for DOE to begin taking spent fuel and reduce the amount the government pays as a result of lawsuits
 - ✓ By 2020 projected cost to be \$22 billion & \$38 billion by 2048
 - ✓ Currently projected at \$500M per year by 2020
- Provides the most flexibility for recycling, research, and disposal
- Dispels Arguments There Are No Solutions For SNF

WHERE ARE WE TODAY?

- 2015 Senate tried Producing Comprehensive Bill – DOA needs help
- 2015 House– Conaway produces CIS bill – DOA Shimkus kills
- 2016 House – Mulvaney produces CIS bil – DOA Shimkus kills
- 2016 Senate is working on S. 854 comprehensive BRC bill
- 2016 Alexander reported to be working on CIS bill
- House Still Working On Yucca Bill, But May Include CIS (reluctantly)
- House wants Yucca funding and Senate wants CIS, but no Yucca
 - Will Bill provide for a pilot CIS only?
 - Will Bill overcome CIS restrictions in NWPA?
- NE embarking on Consent Based Siting Process Development and finding
- DOE interested in Defense only repository



Who is the EDDY-LEA Alliance?

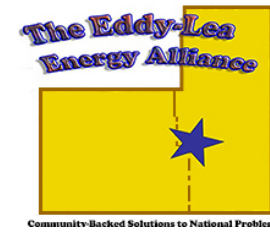
- Alliance of the Cities of Carlsbad & Hobbs and the Counties of Eddy & Lea
- Formed Under the Local Economic Development Act for Economic Development Purposes in 2006 & to Respond to Global Nuclear Energy Partnership (GNEP) Proposal from DOE
- ELEA purchased 1,000 acres of land approximately halfway between Carlsbad and Hobbs, N.M. for use

**The Eddy-Lea
Energy Alliance**



Community-Backed Solutions to National Problems

Why the ELEA Site?



- Land studied extensively during Global Nuclear Energy Partnership (GNEP) process
- Remote location
- Geologic stability
- Dry area
- Infrastructure present, including rail
- Preexisting robust scientific and nuclear operations workforce
- **STRONG CONSENT FROM AREA**

SE New Mexico's Nuclear Corridor



Holtec International

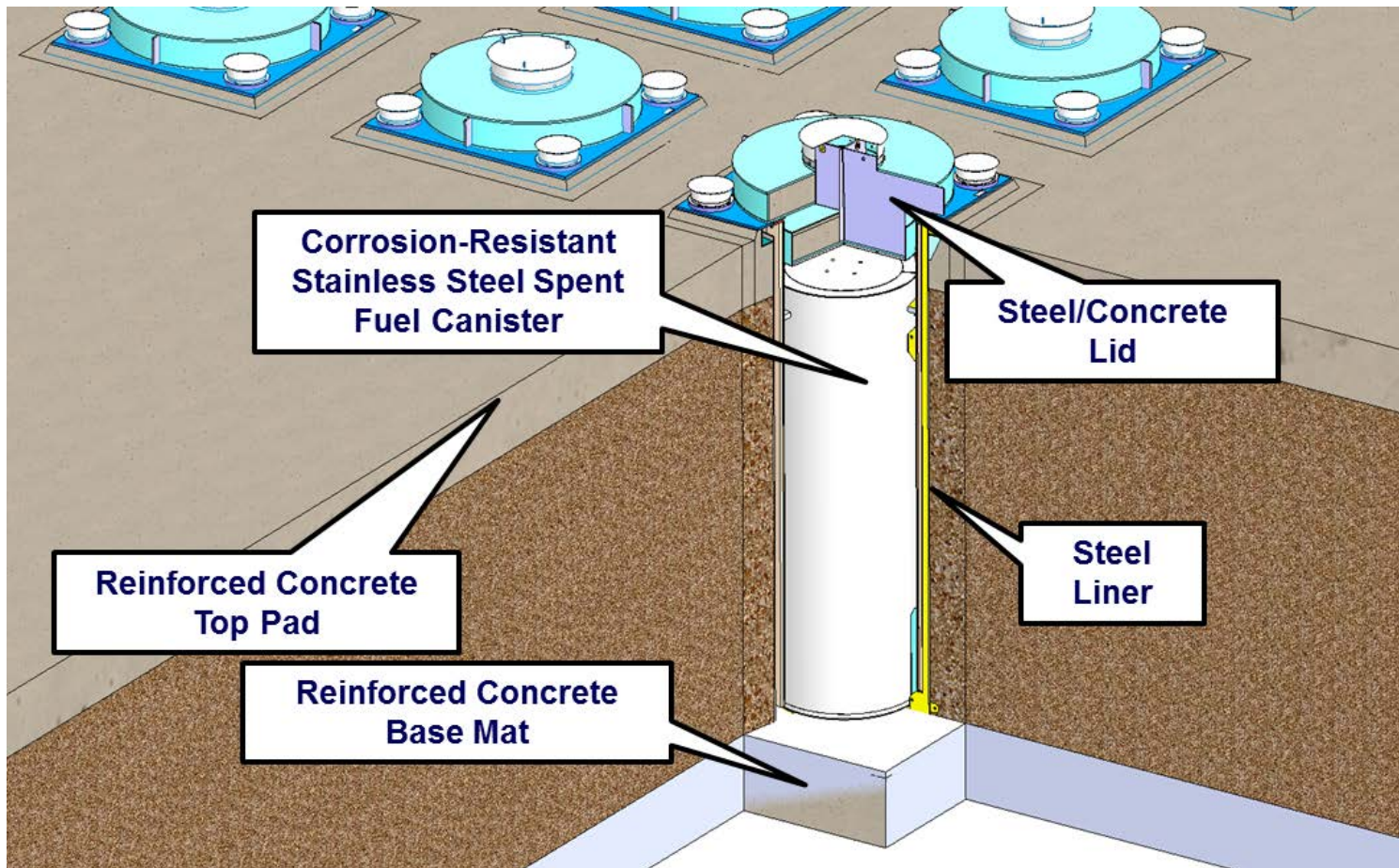
- Established in 1986
- Excellent on-time delivery record
- No history of long-term debt
- Self financed company growth
- Highest industrial credit rating [D&B-5A1]
- Business Mix:
 - ✓ 72% Nuclear
 - ✓ 15% Coal, 10% Gas & Renewables, 3% O&G

HI-STORM UMAX: The Safest Solution for C.I.S.



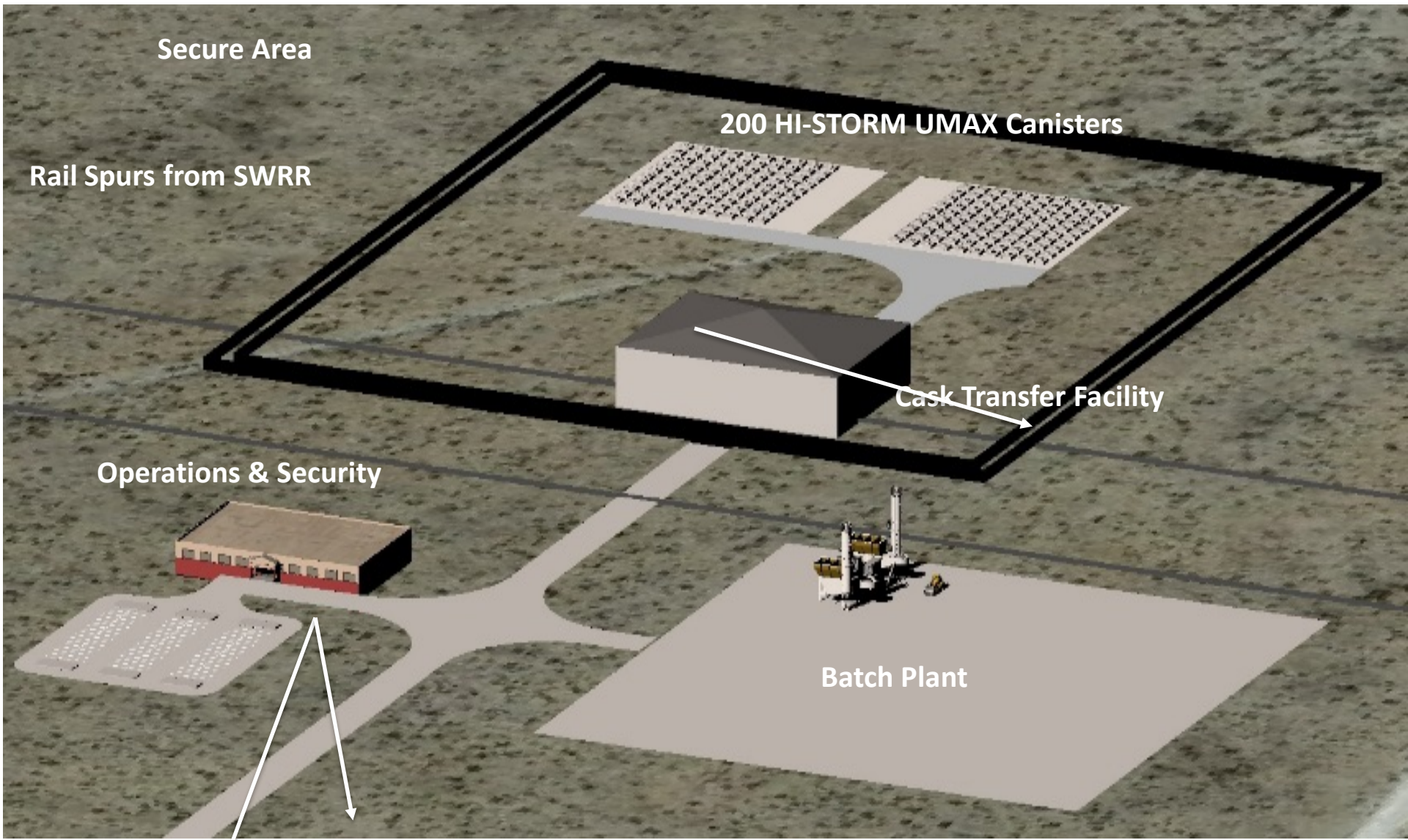
Holtec constructed the HI-STORM UMAX at a U.S. nuclear power plant

HI-STORM UMAX: Stores Spent Nuclear Fuel Completely Below Grade



R
E
T
A
I
N

Phase 1 Construction



Secure Area

200 HI-STORM UMAX Canisters

Rail Spurs from SWRR

Cask Transfer Facility

Operations & Security

Batch Plant

Excavation



CEC Placement



CLSM Pour

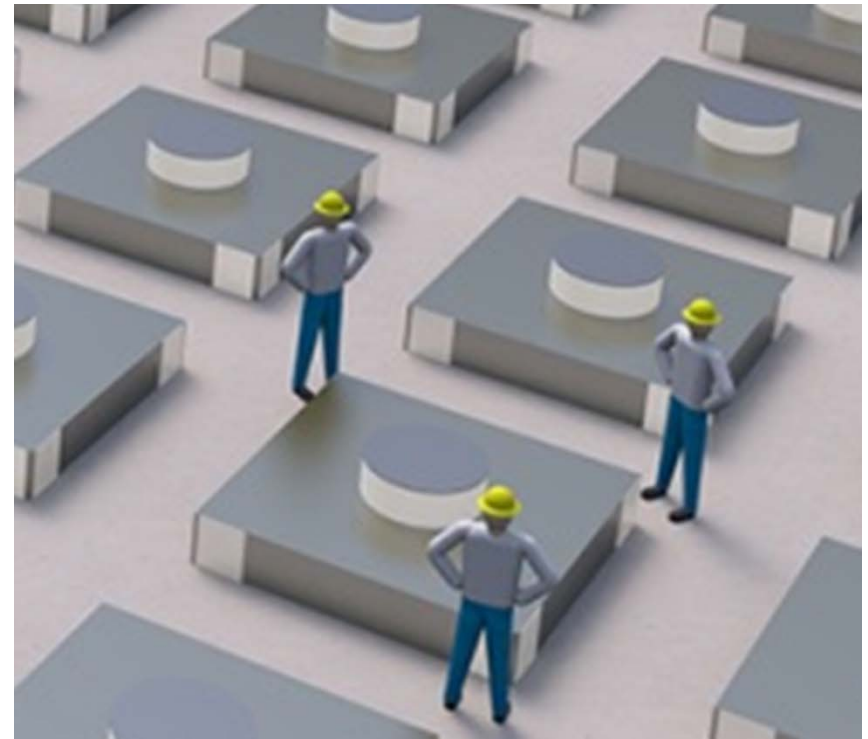


Form for Top Pad



Enhanced Security

- Configured to be visually inconspicuous
 - Profile is less than 610 mm (2 ft.) tall
 - A less visible target from the air
 - Reduced visibility from public land
- There are no areas on the ISFSI where a person may hide, making security an easily implemented activity



Turning Plans into Actions

- Holtec will support the prompt development of the consolidated interim storage site
 - ✔ ELEA believes Holtec underground dry storage technology is a perfect solution for a CIS facility
 - ✔ Holtec has partnered with Eddy Lea Energy Alliance, LLC to establish a CIS
 - ✔ Holtec will design, license and operate the CISF
- Holtec has constructed an underground dry storage facility in the U.S. which is now in use

EDDY-LEA ENERGY/HOLTEC CONSENT STATUS FOR CISF

- Strong resolutions of support from counties and cities in area
- Legislature just passed two memorials supporting the CISF project
- Governor has written a strong letter of support for the project to Sec. Moniz
- Public Members (cities and counties) have endorsed contract with Holtec
- Holtec is proceeding with NRC license

NOW, WHAT ABOUT YOU?

- Why are you letting Shimkus & Upton kill any option to solve the problem? Illinois has the most nuclear power plants in the country?
- Holtec Private facility up and running by 2021
- 30 Total shuttered Reactors (7 ISFSI only, 4 license terminated, 3 in Decon, 3 Due to close, 13 in Safstor)
- 10 more considered at risk
- Others will fall into decommissioning status in the 2030's
- There are 39 states with nuclear waste problems
- You Must Act to Motivate Your Cong Delegations

QUESTIONS ABOUND

