

**State of Nevada  
Perspective on the  
U.S. Department of Energy  
Proposed Nevada Rail Line**

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**US Nuclear Waste Technical Review Board  
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# Overview

- Current Rail Issue Forums
- Nevada Transportation Safety & Security Recommendations
- Proposed Caliente Rail Line
- Nevada Concerns about Caliente Corridor
- Selected CPCN Issues – State of Nevada
- Selected CPCN Issues – Other Parties

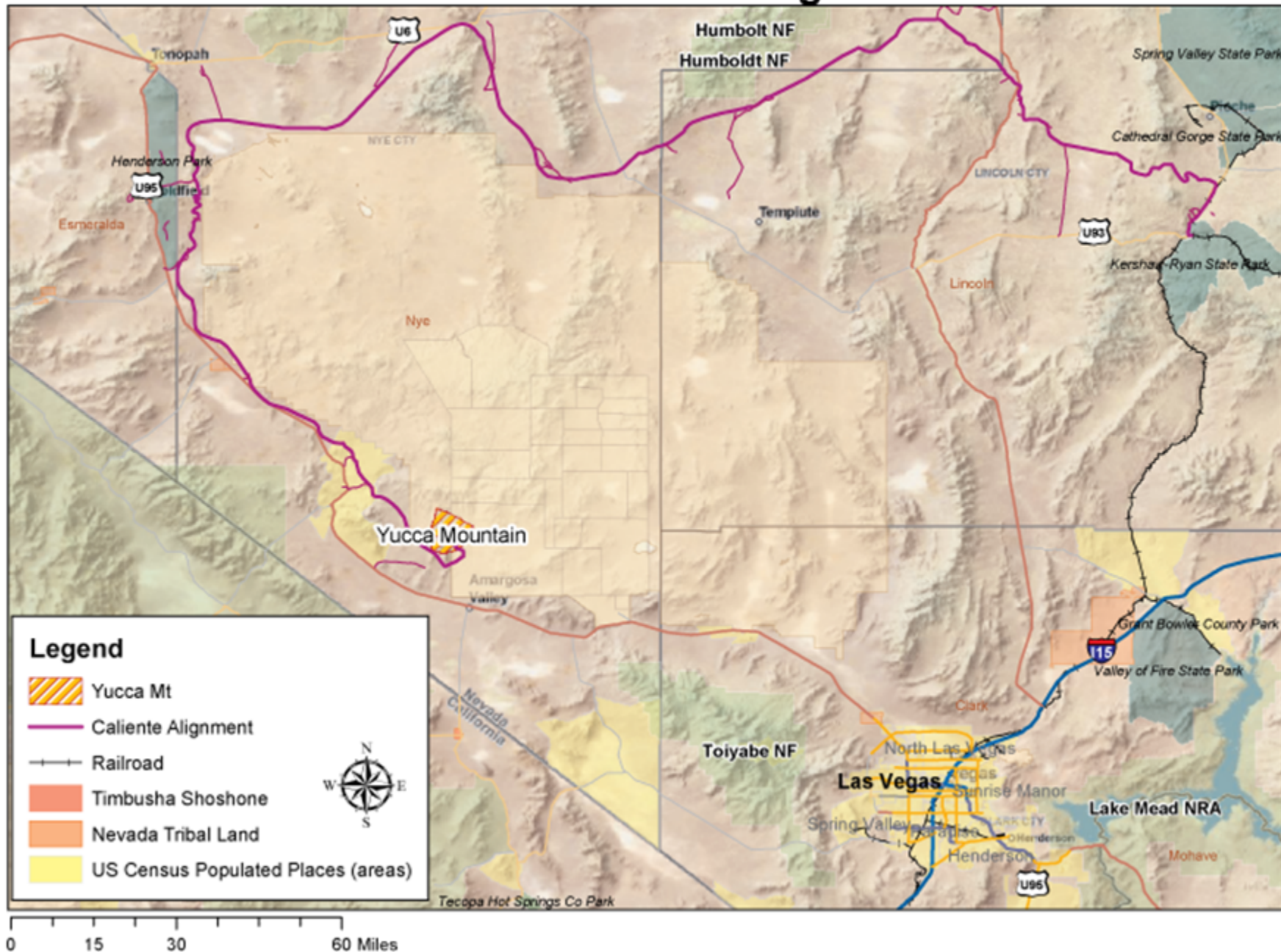
# Current Rail Issue Forums

- Surface Transportation Board – DOE Application for Certificate of Public Convenience and Necessity (CPCN) Filed March 17, 2008
- Nuclear Regulatory Commission – DOE Yucca Mountain Repository License Application (LA) Filed June 3, 2008
- Department of Energy – Supplemental EIS for Yucca Mountain Repository, and Final EIS for Nevada Rail Alignment, Issued June 16, 2008 (Note SEIS incorporates by reference key portions of the Rail Alignment EIS)

# **Nevada Transportation Safety & Security Recommendations to DOE**

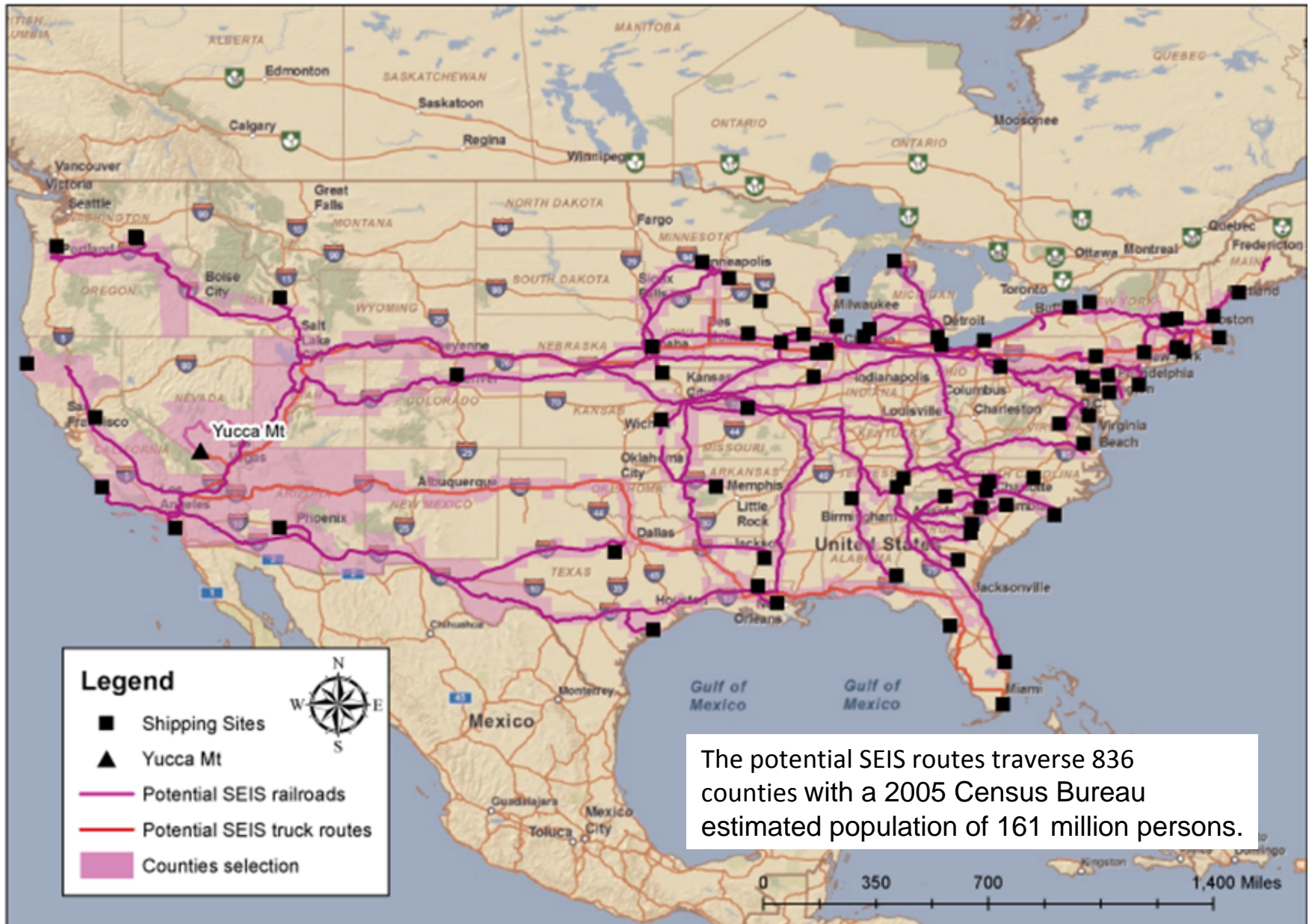
- **Oldest Fuel First**
- **Mostly Rail (65-75%)**
- **Dual-Purpose Casks**
- **Dedicated Trains**
- **Full-scale Cask Testing (Regulatory & Extra-regulatory)**
- **NEPA Process for Selection of Rail Spur**
- **WIEB “Straw Man” Routing Process**
- **Sec 180(c) Program Rulemaking**
- **State Regulatory Enhancements (Safety & Perception)**
- **Terrorism and Sabotage Concerns**

# Final Caliente Corridor Alignment





# Potential SEIS Rail and Truck Routes



# **Nevada Concerns**

## **1995 Criteria for Rail Spur Evaluation**

- **Impacts on the human environment, with particular attention to public health and safety and impacts on highly populated areas**
- **Engineering feasibility, with particular attention to mountain crossings, seismic hazards, and surface flood hazards**
- **Impacts on critical environmental resources**
- **Cost of construction, predictability of costs**
- **Right-of-way acquisition, avoidance of private lands**
- **Impacts on Native American lands and cultural resources**
- **Potential conflicts with U.S. Air Force**
- **Economic development costs and opportunities, addressing both standard and special (risk-induced) socioeconomic impacts**
- **Specifically address the potential impacts and risks of rail shipments through Las Vegas on UP mainline**



# Caliente Corridor Fails Nevada Criteria



**Feasibility, Safety, Cost, Environmental Resources**



**Feasibility, Safety, Cost, "City"**



**Feasibility, Safety, Cost, Cultural Resources**

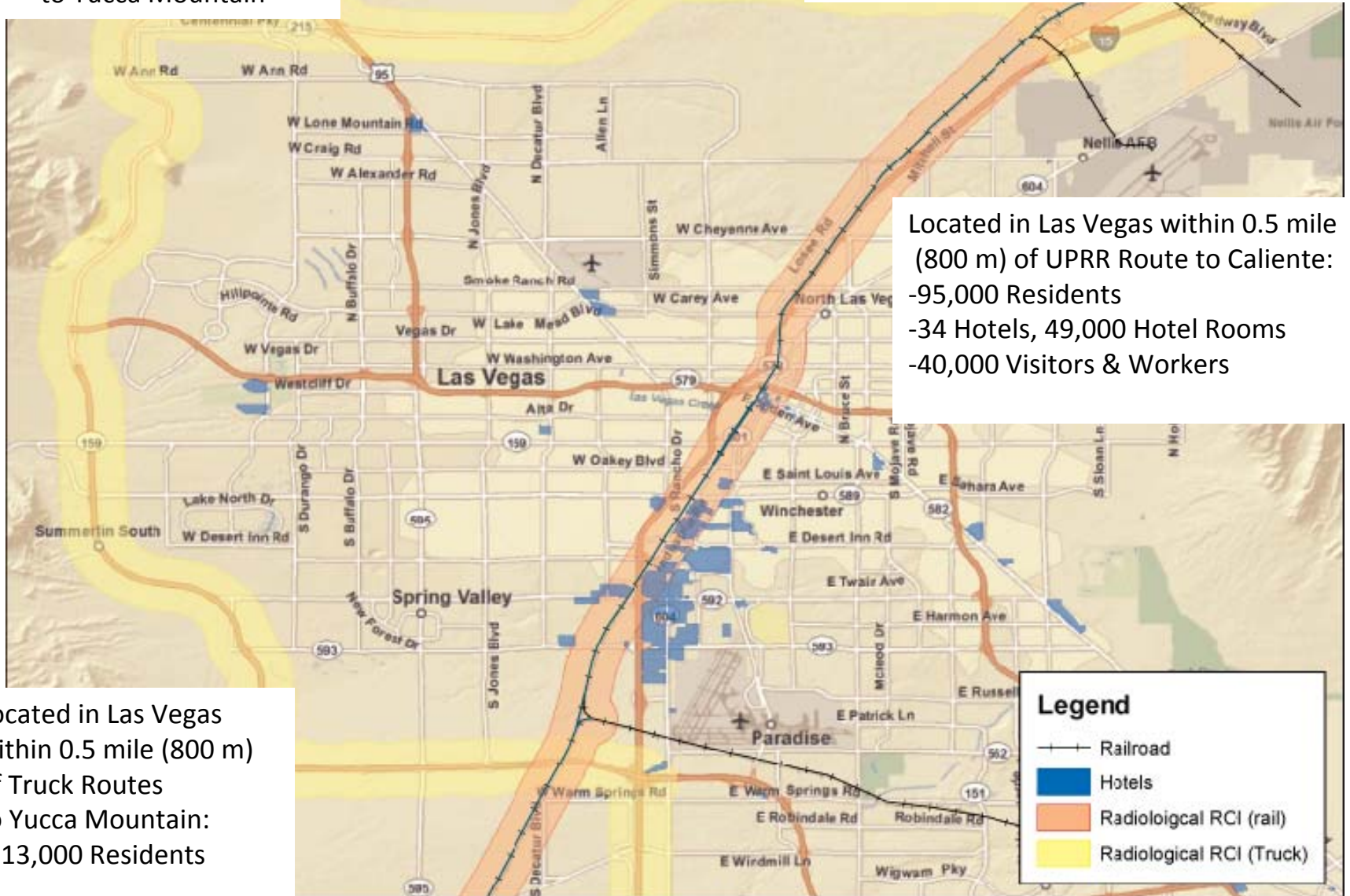


**Community Impacts, Limited Economic Benefits**



In Addition to Trains  
1-2 Trucks per Week  
through Metro Las Vegas  
to Yucca Mountain

Rail Casks through Las Vegas  
to Yucca Mountain via Caliente  
Minimum – 8% Maximum – 79%



Located in Las Vegas within 0.5 mile  
(800 m) of UPRR Route to Caliente:  
-95,000 Residents  
-34 Hotels, 49,000 Hotel Rooms  
-40,000 Visitors & Workers

Located in Las Vegas  
within 0.5 mile (800 m)  
of Truck Routes  
to Yucca Mountain:  
-113,000 Residents

# Selected CPCN Issues Raised by State of Nevada

- Procedural Issues
- Lack of Shared Use Decision
- Lack of Operating Plan and Safety Integration Plan
- Selection of Caliente Corridor
- Consideration of Mina Corridor
- Evaluation of Shared Use Impacts
- Evaluation of Radiological Regions of Influence
- Evaluation of Impacts on Current Users of Land
- Evaluation of Terrorism and Sabotage
- Evaluation of National Rail System Impacts
- STB NEPA Responsibilities

# Selected CPCN Issues Raised by Other Parties

- Access to Public Lands
- Aesthetic Impacts (“City” installation)
- Dedicated Trains (Mandatory Use)
- Emergency Services
- Impact Mitigation (Ranching, Access, Water Use)
- Intermodal Facility (Caliente)
- Native American Impacts
- Oral Hearing
- Public Participation
- Through-Line Alternative and/or North-South Rail Connection

# Next Steps

- **STB Finance Docket 35106**
  - NEPA Process
  - Potential litigation
- **NRC Docket No. 63-001**
  - Licensing contentions
  - NEPA Process
  - Potential litigation
- **DOE Rail Alignment NEPA Process**
  - Potential litigation following issuance of a Record of Decision for the Caliente Alignment