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# Denver Catastrophic Risk Overview

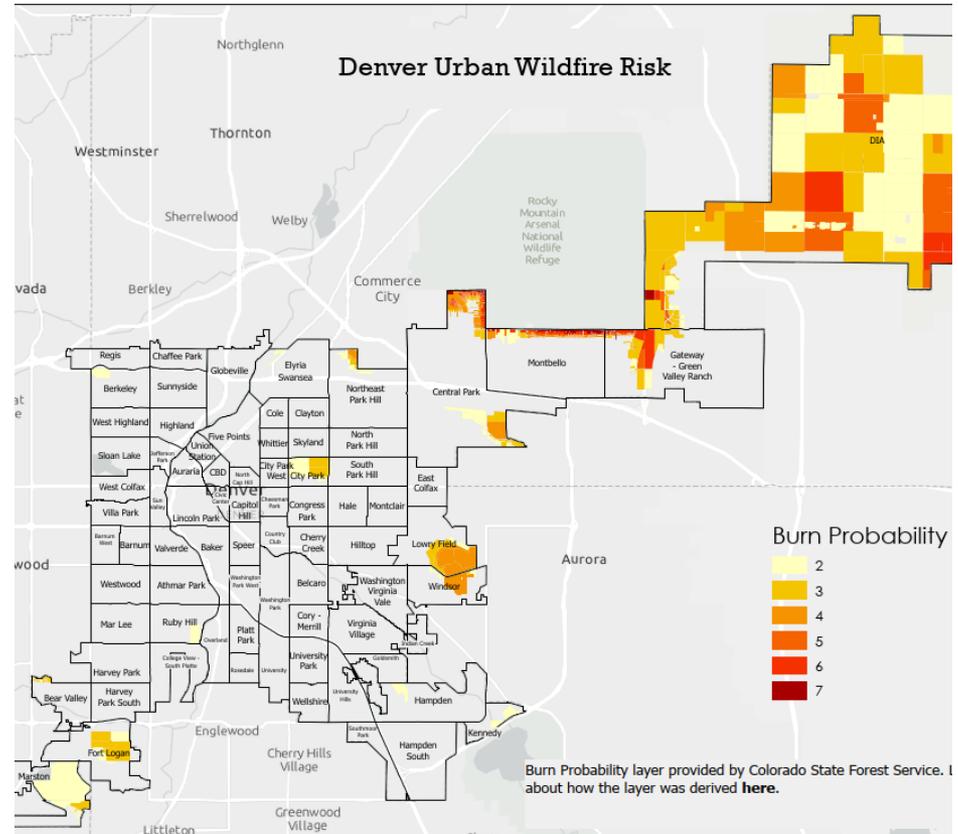
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# Why are we thinking about this?

- Low probability, high consequence hazards tend to get pushed aside for the day-to-day concerns
- Urban conflagration, dam failure, and major hazardous materials release are all possible and would be severe if not catastrophic. Examples:
  - East Palestine OH Rail Disaster
  - Oroville CA Dam Failure
  - Marshall (CO) and Palisade (CA) Fires
- Major investments in infrastructure and mitigation measures not usually economically feasible, but other protective measures are

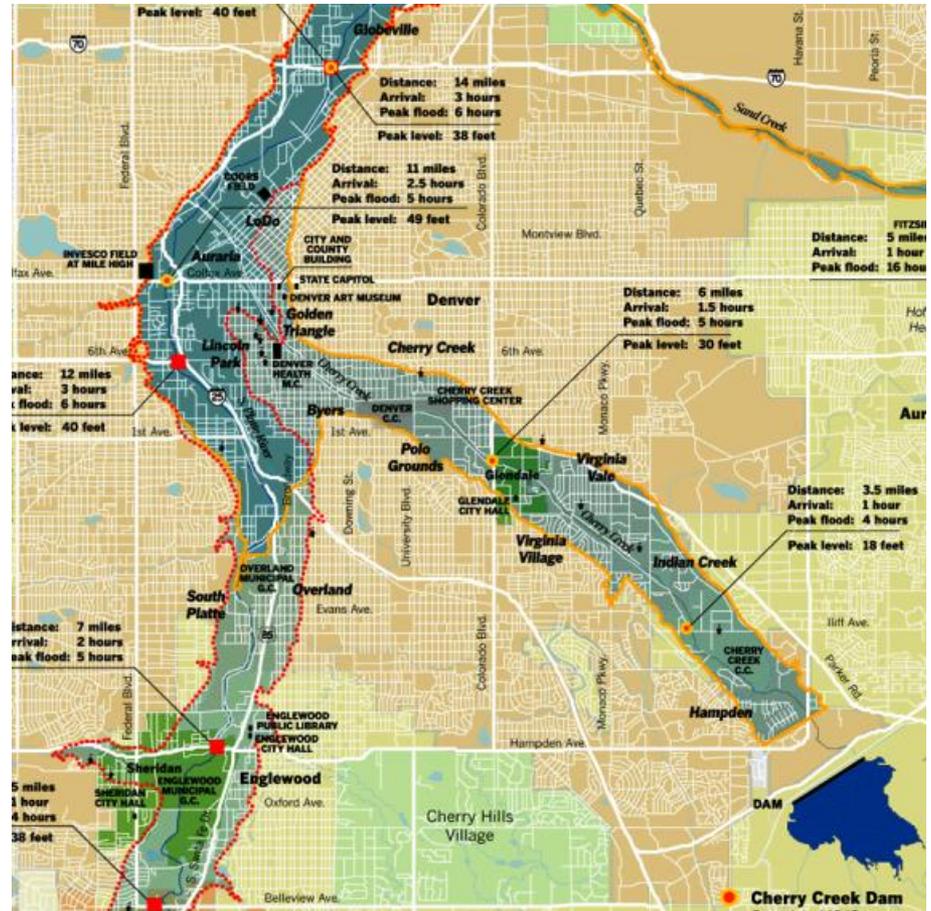
# Wildfire/Urban Conflagration Risk

- Increased risk due to climate change and built environment proximity to open space
- Wildfire on Rocky Mountain Wildlife Refuge leading to urban conflagration like Marshall Fire concern
- NE Denver and DEN at greatest risk. See Map



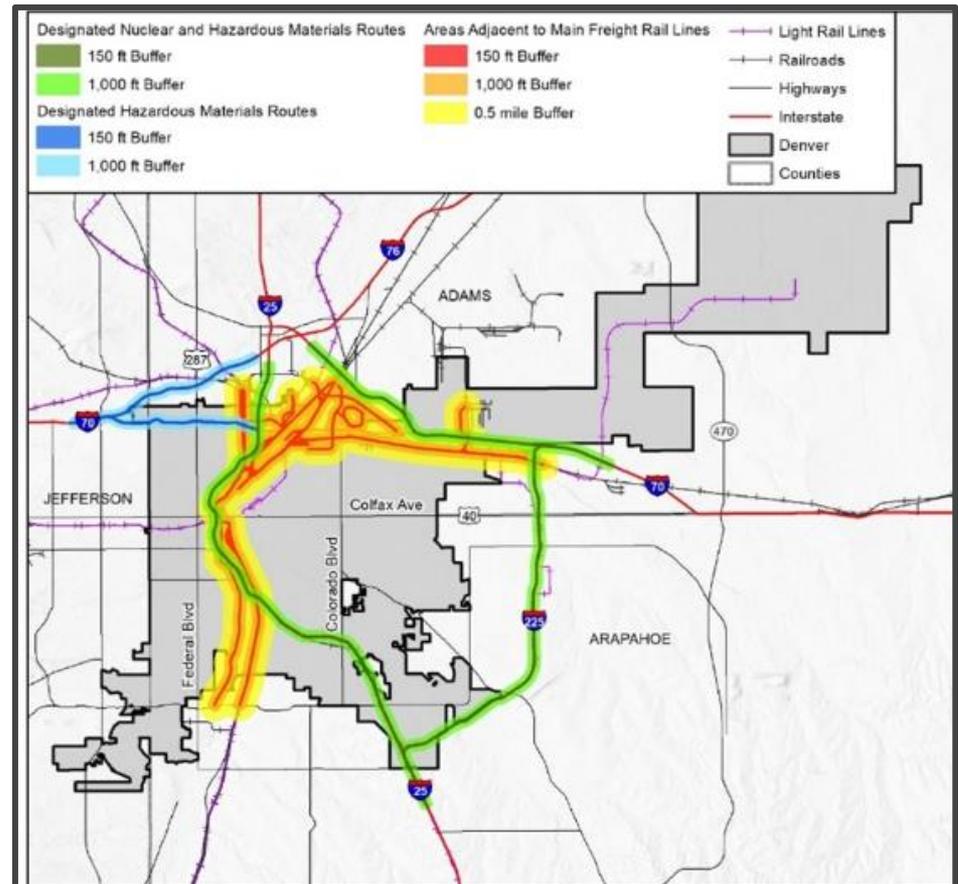
# Cherry Creek Dam Failure

- 8 high hazard dams in Denver, more just outside Denver
- Inundation zones for Cherry Creek and Chatfield. See map.
- Cherry Creek highest risk due to capacity and age of dam
- Significant critical infrastructure damage and loss of life



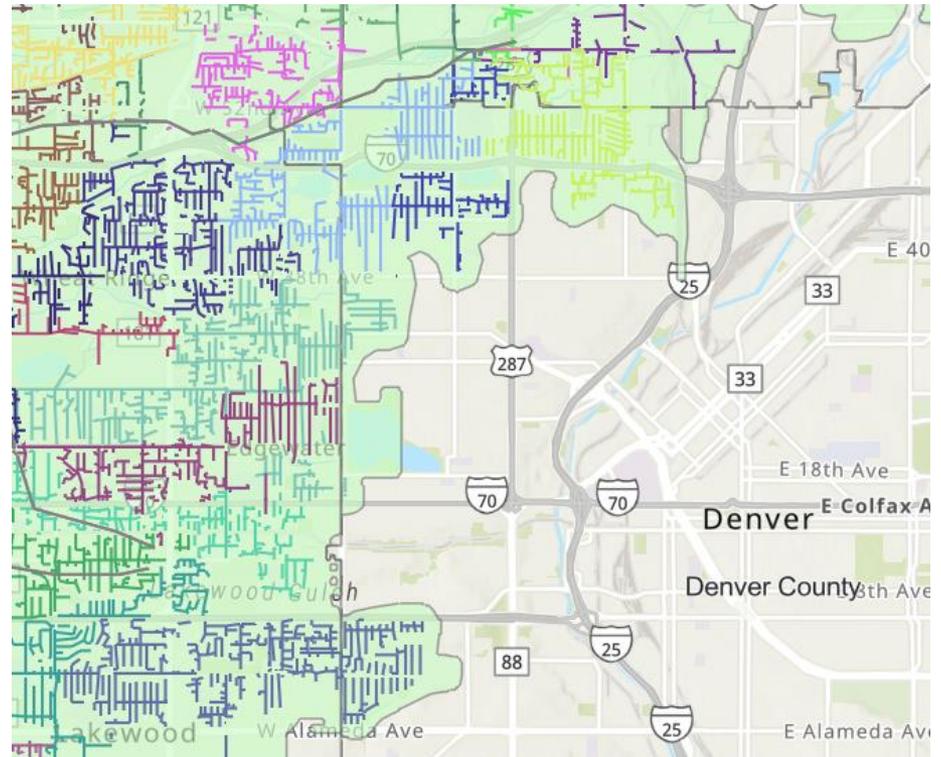
# Hazardous Materials Release

- Fixed facilities, highways, rail, pipelines
- Concentrated along I-25 and Santa Fe corridors (Inverted L)
- Ammonia, Diesel, Chlorine, acids, nuclear waste
- Buffer zones indicate areas most at risk. See map.



# Public Safety Power Shutoff (PSPS)

- PSPS is proactive de-energizing of power lines
- Xcel manages PSPS process
- New PUC requirements after Marshall Fire
- Potential impacts to critical infrastructure and vulnerable individuals



# Evacuation Planning

- Development of a mass evacuation plan
- Focused on dam failure, wildfire, and hazardous materials release hazards
- Modeling support from US Army Corps of Engineers and Parsons Engineering
- Key elements: decision making, egress route identification, methods of evacuation, alert and warning, traffic control
- Draft plan early 2026, TTX mid 2026

# Alert and Warning

- Annual Wireless Emergency Alert (WEA) and Outdoor Warning Sirens System tests
- Public awareness campaign
- Focus groups with older adults and Spanish-speaking communities on alert messaging
- Evacuation area mapping tool to imbed in alerts
- MOU with State of Colorado for backup alerting

# Challenges

- Transportation Resources
- Facilities
- Staffing
- Emergency Procurement

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# Questions