



## ***Nevada Site Specific Advisory Board (NSSAB)***

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**Full Board Meeting  
Wednesday, February 15, 2023**

### ***Handouts:***

Page 2      Attendance Spreadsheet

Page 3      FY 2025 Prioritization Briefing ~ Work Plan Item #2

## NSSAB FULL BOARD MEETING ATTENDANCE

October 2022 through September 2023 (FY 2023)

Name	1/18/23	2/15/23	4/19/23	7/19/23	9/20/23	Max Terms
<b>MEMBERS</b>						
Erik Anderson	√					2028
Joycelyn Austin-Mabe	√					2028
Lisa Blandi	√					2028
John Cole	√					2028
William DeWitt	√					2024
Bill Dolan	√	E				2026
Gary Elgort	√					2026
Anthony Graham	√					2024
Mark Hilton	√					2026
Bruce Jabbour	√					2026
Dan Peterson	U					2026
Janice Six	√					2024
Kevin Trainor	√	E				2028
Favil West	√					2026
Eddie Williams	√					2028
<b>LIAISONS</b>						
Clark County	√					
Consolidated Group of Tribes & Organizations	E					
Elko County Commission (limited)						
Esmeralda County Commission (limited)	√					
Lincoln County Commission	U					
Nye County Commission	V					
Nye County Emergency Management	√					
Nye Co. Natural Resources and Federal Facility	√					
State of NV Division of Env Protection	√					
U.S. Natl Park Service (limited)	√					
White Pine County Commission (limited)						
KEY: √ - Present    E - Excused    V - Vacant    U - Unexcused						

# Fiscal Year (FY) 2025 Prioritization Work Plan Item #2



U.S. Department of Energy (DOE)  
Environmental Management (EM)  
Nevada Program  
February 15, 2023



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ID 3104 – 2/15/2023  
Log No: EMRP-2023-009

# Tonight's Path Forward

- **Overview**
- Ranking process explanation
- Briefing of each task
  - Waste management disposal
  - Post-closure monitoring
  - Industrial Sites
  - Stakeholder support
  - Groundwater characterization
- Group discussion
- Individual rankings
- Prioritization tallying
- Vote on final recommendation



# Overview



**Andrew Weber**  
Lead Project Controls Specialist  
EM Nevada Program



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# EM Nevada Program Baseline

Utilized by EM Nevada Program to support life-cycle planning to execute its mission

- Three (3) major components make up the baseline
  - **Scope of work:** Description of all work elements that must be accomplished
  - **Budget:** Estimated cost to accomplish scope of work
  - **Schedule:** Timeline and prioritization of scope of work

*Elements identified in EM Nevada Program baseline are fully integrated*



# EM Nevada Program Baseline Planning Considerations

- Annual funding
  - Scope is prioritized to maximize amount of work that can be accomplished



- Scope uncertainties
  - Risk analysis performed to account for cost and schedule impacts associated with unknowns, such as: extreme weather, subsurface conditions, extent of contamination, etc.



# EM Nevada Program Baseline Maintenance

- Performance against the baseline
  - Contractors report monthly performance status to EM Nevada Program, where it is integrated and analyzed, then compared against baseline plan
- Baseline changes
  - Changes to baseline are required periodically to account for addition or deletion of scope, scientific strategy changes, or contract modifications





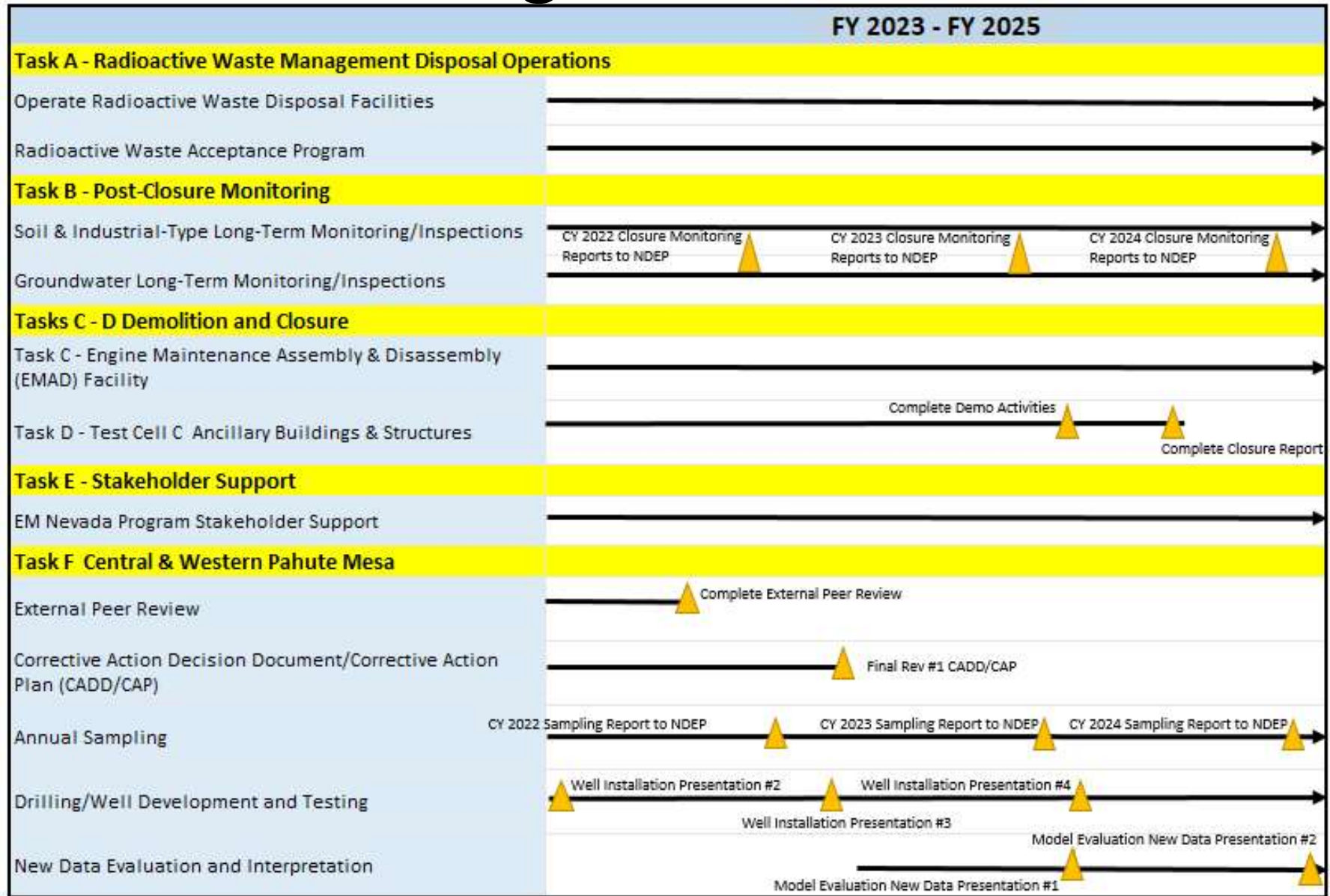
# Federal Budget Process



Example of DOE budget planning timeline



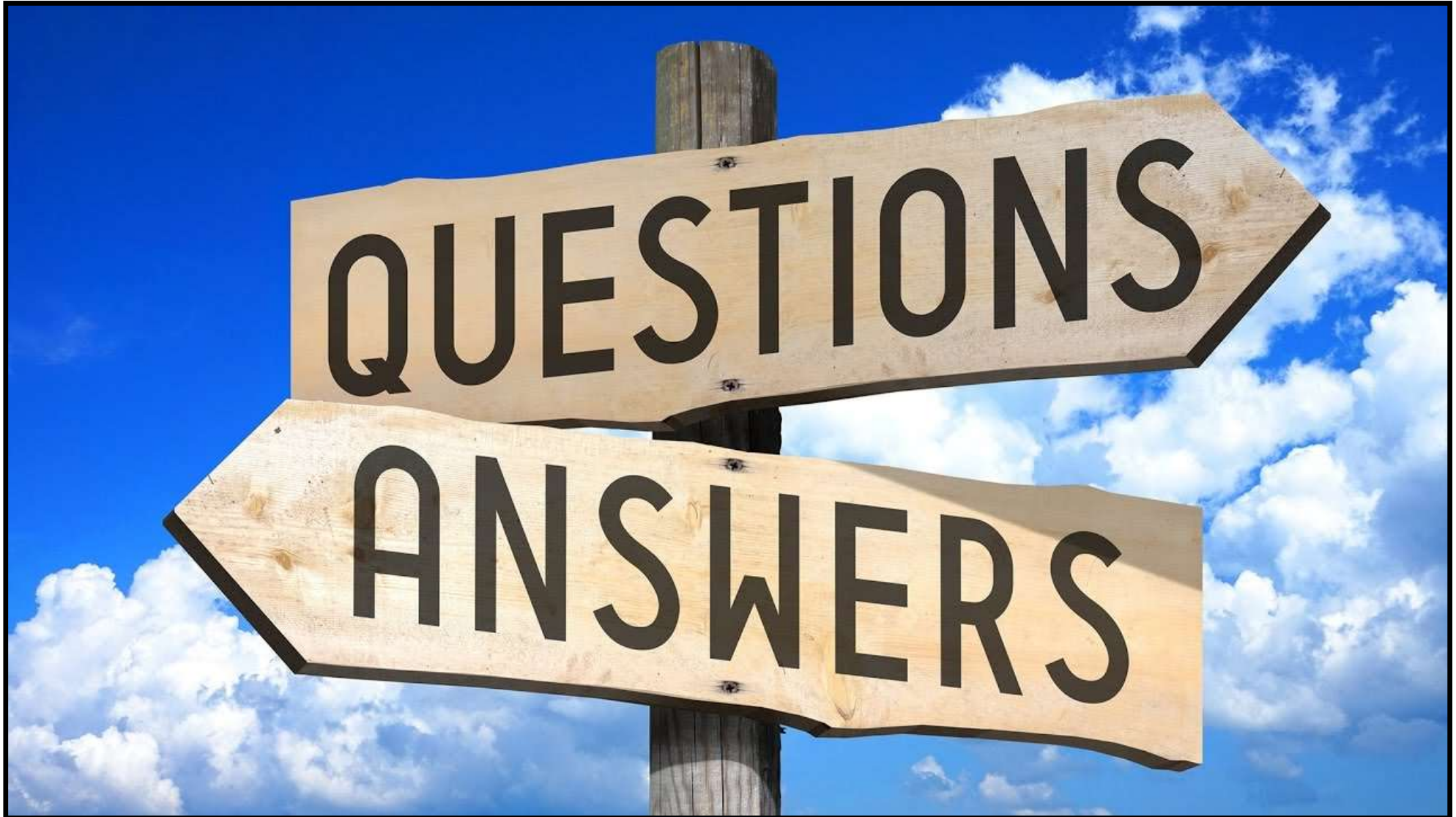
# EM Nevada Program Baseline Schedule



▲ Federal Facility Agreement and Consent Order (FFACO) and Other Programmatic Milestones  
 Calendar Year (CY)  
 State of Nevada Division of Environmental Protection (NDEP)



# Questions



# Tonight's Path Forward

- Overview
- **Ranking process explanation**
- Briefing of each task
- Group discussion
- Individual rankings
- Prioritization tallying
- Vote on final recommendation

Individual Ranking*	Task	Title	Notes
	A	Radioactive Waste Management Disposal Operations	
	B	Post-Closure Monitoring	
	C	EMAD Facility	
	D	Test Cell C Ancillary Buildings and Structures	
	E	Stakeholder Support	
	F	Central & Western Pahute Mesa	
<p><b>*Rank from 1 - 6 with 1 as your highest priority and 6 being your lowest priority</b></p> <p><b>Note: Use each number only once</b></p>			



# Tonight's Path Forward (continued)

- Overview
- Ranking process explanation
- **Briefing of each task**
- Group discussion
- Individual rankings
- Prioritization tallying
- Vote on final recommendation



# Waste Management Disposal Task



**Jhon Carilli**

Low-Level Waste (LLW) Activity Lead  
EM Nevada Program



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# Task A – Radioactive Waste Management Disposal Operations

- Descriptions:
  - Maintain capability to safely receive and dispose approximately .8 to one million cubic feet per year of LLW, mixed LLW, and classified waste from on-site and off-site generators
  - Continue environmental monitoring activities



# Task A – Radioactive Waste Management Disposal Operations (continued)

- Construct and close waste cells in Area 5 Radioactive Waste Management Complex (RWMC), as necessary
  - Cells 8 and 16 - seeding and outplants



Revegetation Activities at Area 5 RWMC



Hydromulching At Area 5 RWMC – March 2022





# Task A – Radioactive Waste Management Disposal Operations (continued)



- Maintain safe and compliant waste disposal in accordance with applicable regulations
- Continue generator facility evaluations and waste verifications conducted by Radioactive Waste Acceptance Program (RWAP) per Nevada National Security Site (NNS) Waste Acceptance Criteria



# Task A – Radioactive Waste Management Disposal Operations (continued)

- Risk/consequences of delay:
  - People and environment
    - NNSS-specific: Potential inability to dispose of NNSS wastes resulting in additional costs for off-site disposal
    - Waste stored at other DOE sites may not have a safe and secure disposal path, potentially impacting the public and environment



# Task A – Radioactive Waste Management Disposal Operations (continued)

- Project
  - DOE complex: additional costs; inability to dispose of some wastes
- Regulatory
  - DOE agreements and schedules with NDEP could be impacted
- Milestone:
  - Could impact EM Nevada Program demolition and closure activities



# Questions

Groundwater Monitoring at Area 5 RWMC



# Post-Closure Monitoring Task



**Tiffany Gamero**  
Long-Term Monitoring Activity Lead  
EM Nevada Program



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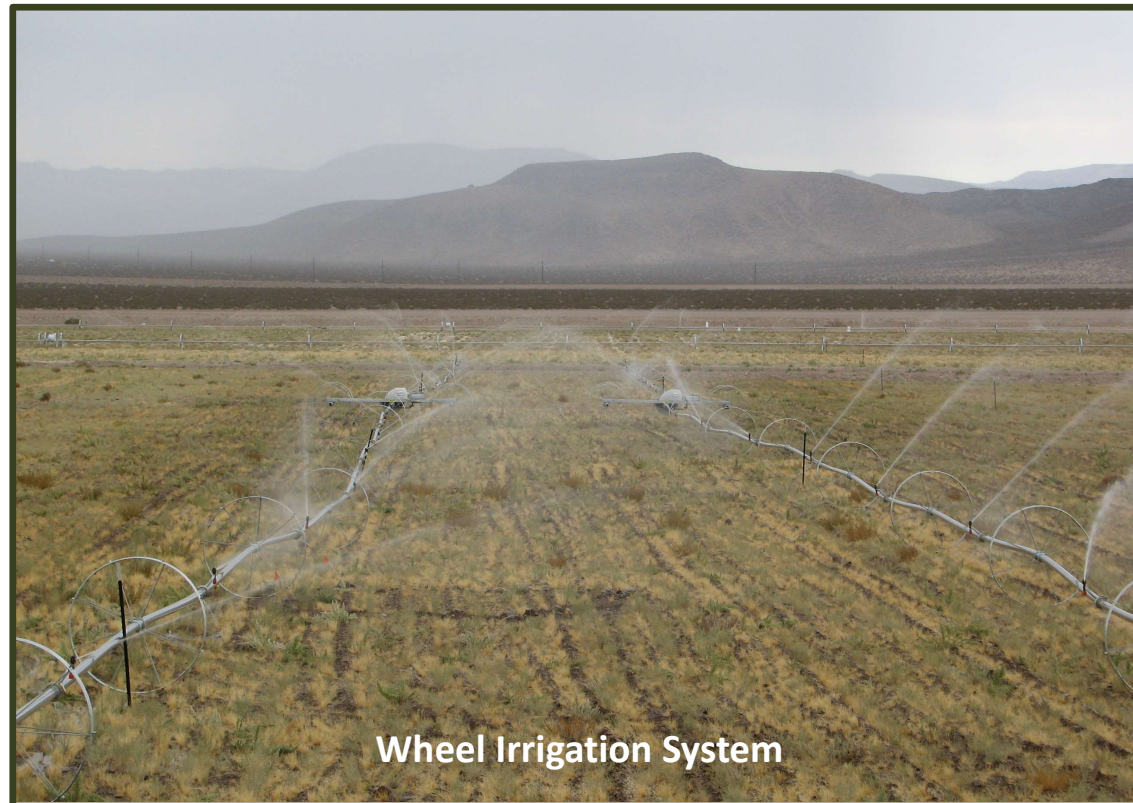
# Task B – Post-Closure Monitoring

- Description:
  - Conduct post-closure monitoring on the NNSS
    - Post-closure inspections and maintenance
    - Groundwater sampling and analysis
    - Water level monitoring
    - Groundwater monitoring network maintenance
    - Reporting



# Task B – Post-Closure Monitoring (continued)

- Continue seeding and outplants on the 92-Acre Area at the Area 5 RWMC



# Task B – Post-Closure Monitoring (continued)

- Risk/consequences of delay:
  - People and environment
    - Potential delay in identification of changes to implemented controls at closed sites
    - Increased risk that potential contaminant movement and/or exposure pathways may not be immediately recognized
  - Project
    - Delayed ability to monitor radionuclide migration
  - Regulatory
    - DOE agreements and schedules with NDEP could be impacted
- Milestone:
  - Submit annual closure monitoring reports to NDEP





# Questions



NSSAB Observing Post Closure Inspection Process



# Industrial Sites Tasks



**Tiffany Gamero**  
Industrial Sites Activity Lead  
EM Nevada Program



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# Task C – Engine Maintenance Assembly and Disassembly (EMAD) Facility



Manned Control Car at EMAD

- Description
  - Complete train shed building demolition
  - Complete disposition of rolling stock (rail cars and engines)



Train Shed at EMAD



# Task C – EMAD Facility (continued)



- Complete demolition of water tower, electric substations, and ground level stacks



# Task D – Test Cell C (TCC) Ancillary Buildings and Structures



Perlite Removal

- Description:
  - Continue demolition and closure activities

# Tasks C and D – EMAD and TCC

- Risk/consequences of delay:
  - People and environment
    - Any corrective actions would be delayed
  - Project
    - Delayed completion of Environmental Restoration mission
  - Regulatory
    - DOE agreements and schedules with NDEP could be impacted
- Milestones:
  - Any FFACO milestones (TBD) could be impacted



# Questions



EMAD – Rail Cars



# Stakeholder Support Task



**Glenn Puit**  
Strategic Communications Manager  
Navarro



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# Task E – Stakeholder Support

- Descriptions:
  - Develop and disseminate information on EM Nevada Program activities to diverse stakeholder groups
    - General public; NSSAB; intergovernmental liaisons; other local and regional government leaders; waste generator community; technical peers; and DOE headquarters



# Task E – Stakeholder Support (continued)

- Outreach and related products planned and prepared in coordination with technical projects, such as: Underground Test Area (UGTA), RWAP, etc.
  - NSSAB, LLW Stakeholders Forum, and other intergovernmental meetings (local and national)
  - Community and educational outreach events
  - Website content, presentations, fact sheets, articles, videos, and social media posts



Groundwater Open House at  
Amargosa Valley Community Center



Interactive Groundwater Demonstration  
at Amargosa Valley School



# Questions



NSSAB Meeting in Pahrump, NV 1-18-23



# Groundwater Characterization Task



**John Myers**  
UGTA Activity Lead  
EM Nevada Program



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# Task F – Central and Western Pahute Mesa

- Descriptions:
  - Model Evaluation
    - Annual Sampling
      - Groundwater sampling
      - Water level measurements
      - Develop Annual Sampling Report



# Task F – Central and Western Pahute Mesa (continued)

- Data Collection
  - Complete design for future data collection

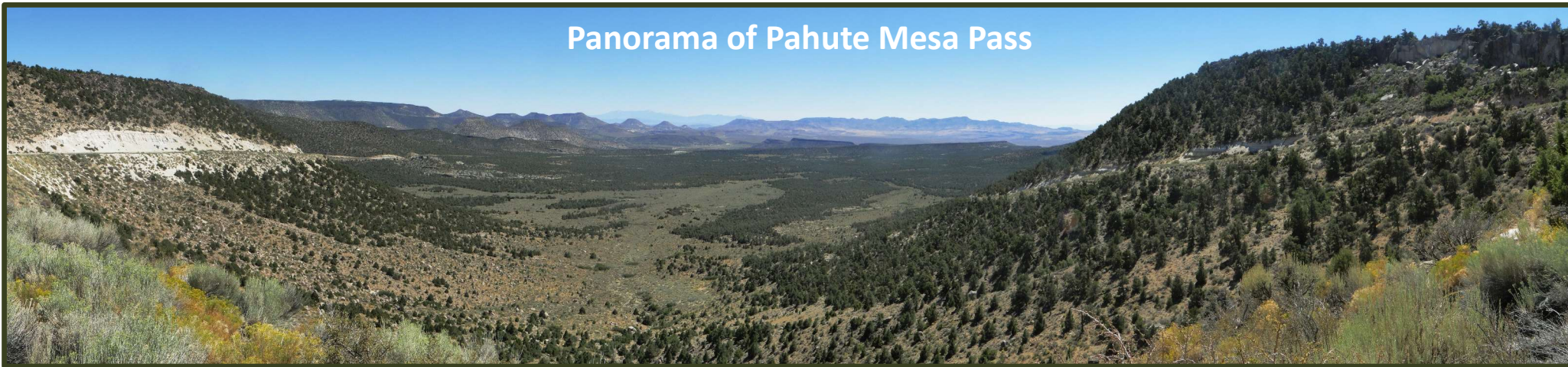


Groundwater Drilling Rig  
Pictured at Night



# Task F – Central and Western Pahute Mesa (continued)

Panorama of Pahute Mesa Pass

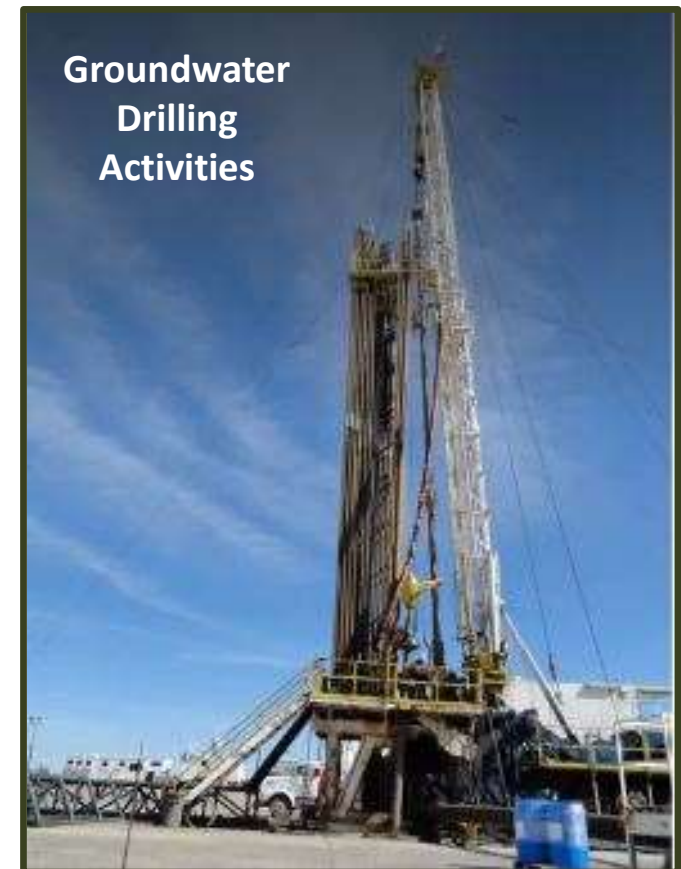


- Continue New Data Evaluation and Interpretation



# Task F – Central and Western Pahute Mesa (continued)

- Risk/consequences of delay:
  - People and environment
    - Low risk that potential contaminant movement and/or exposure pathways may not be immediately recognized
  - Project
    - Delayed completion of Environmental Restoration mission
  - Regulatory
    - DOE agreements and schedules with NDEP could be impacted





# Task F – Central and Western Pahute Mesa (continued)



- Milestones:
  - Submit CY 2024 Annual Sampling Report to NDEP
  - Complete Status Presentation to NDEP

# Questions



# Tonight's Path Forward

- Overview
- Ranking process explanation
- Briefing of each task (six [6] tasks total)
- **Group discussion**
- Individual rankings
- Prioritization tallying
- Vote on final recommendation



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