

Nevada Site Specific Advisory Board (NSSAB)

Full Board Meeting Handouts Wednesday, February 16, 2022

- Page 2 Attendance Spreadsheet
- Page 3 FY 2024 Prioritization Briefing ~ Work Plan Item #1
- Page 39 NSSAB Prioritization Worksheet

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NSSAB minutes, agendas, recommendations, meeting dates and locations, handouts, and member application is available on the NSSAB website at: www.nnss.gov/NSSAB/
NSSAB Phone: 702-523-0894; NSSAB Email: nssab@emcbc.doe.gov
NSSAB Address: 100 N. City Parkway, Suite 1750, Las Vegas, NV 89106
Fax: 702-724-0981; www.facebook.com/NNSANevada

NSSAB FULL BOARD MEETING ATTENDANCE

October 2021 through September 2022 (FY 2022)

Name	11/10/21*	2/16/22**	3/16/22	5/18/22	7/20/22	9/21/22	Max Terms
MEMBERS							
Gail Alexander	√						2026
Francis Bonesteel	E						2022
William DeWitt	√						2024
Bill Dolan	√			E			2026
Karen Eastman	U						2022
Gary Elgort	E						2026
Charles Fullen	√						2022
Anthony Graham	√						2024
Mark Hilton	√						2026
Bruce Jabbour	√						2026
Ron Korner	√						2026
Dan Peterson	√						2026
Janice Six	√						2024
Richard Stephans	√						2022
Favil West	√						2026
Dina Williamson-Erdag	√						2022
LIAISONS							
Clark County	E						
Consolidated Group of Tribes & Organizations	√						
Elko County Commission (limited)							
Esmeralda County Commission	U						
Lincoln County Commission	U						
Nye County Commission	U						
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							
*Virtual Full Board Meeting							
**Hybrid Full Board Meeting							

Fiscal Year (FY) 2024 Prioritization Work Plan Item #1



U.S. Department of Energy (DOE)
Environmental Management (EM)
Nevada Program
February 16, 2022



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ID 2661 – 2/16/2022
Log No: EMRP-2022-041

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



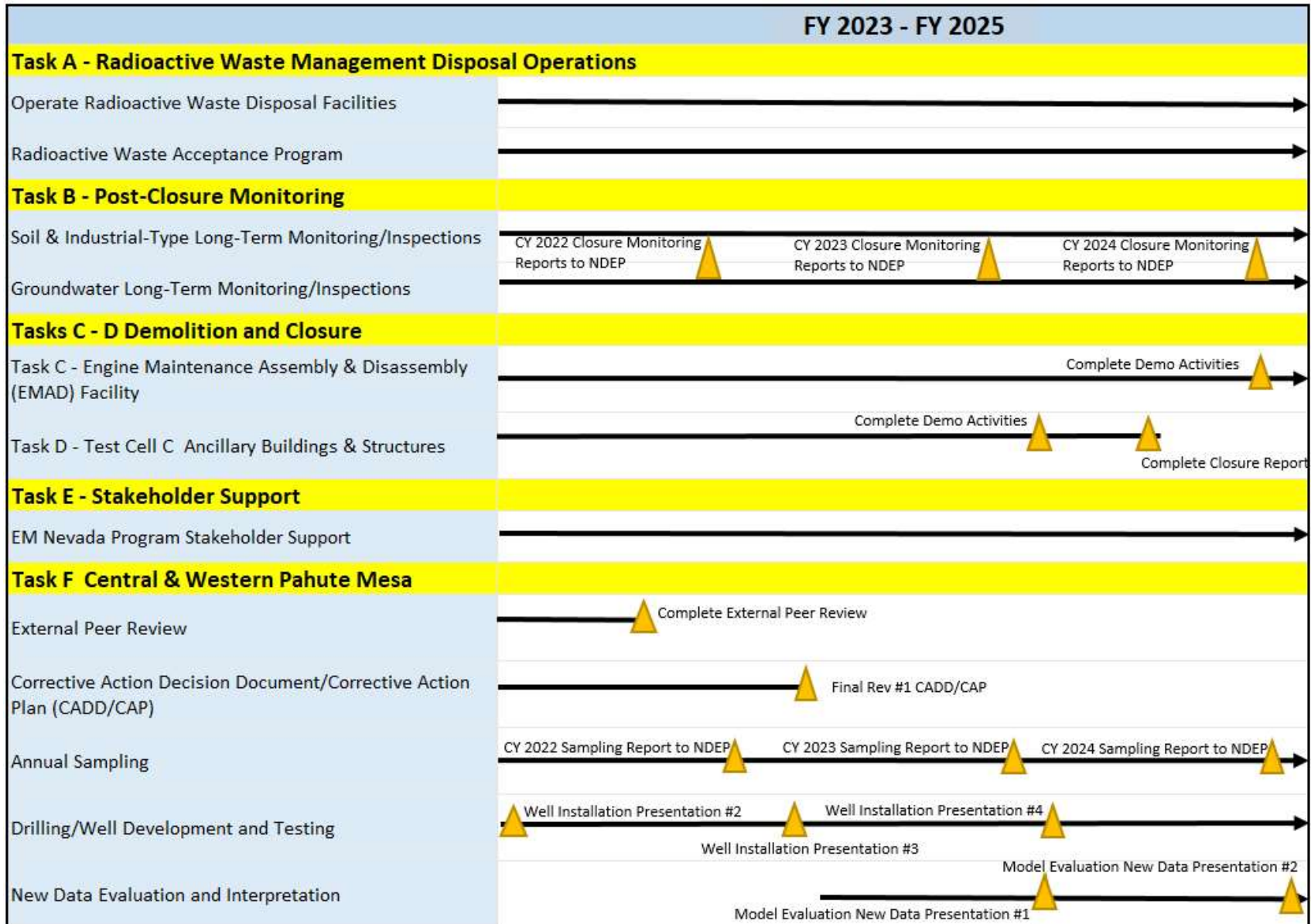
Federal Budget Process



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)



Tonight's Path Forward

- Overview
- **Ranking process explanation**
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- 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>*Rank from 1 - 6 with 1 as your highest priority and 6 being your lowest priority</p> <p>Note: Use each number only once</p>			



Tonight's Path Forward (continued)

- Overview
- Ranking process explanation
- **Briefing of each task**
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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 1.2 million cubic feet per year of LLW, mixed LLW, and classified waste from on-site and off-site generators
 - Continue environmental monitoring activities
 - Construct and close waste cells in Area 5 Radioactive Waste Management Complex (RWMC), as necessary
 - Cell 21-seeding and outplants at Corrective Action Unit (CAU) 577
 - Cells 8 and 16-seeding and outplants



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 (NNSS) 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 some wastes
- Regulatory
 - DOE agreements and schedules with NDEP could be impacted
- Milestone:
 - Could impact EM Nevada Program demolition and closure activities



Post-Closure Monitoring Task



Tiffany Gamero
Long-Term Monitoring Activity Lead
EM Nevada Program



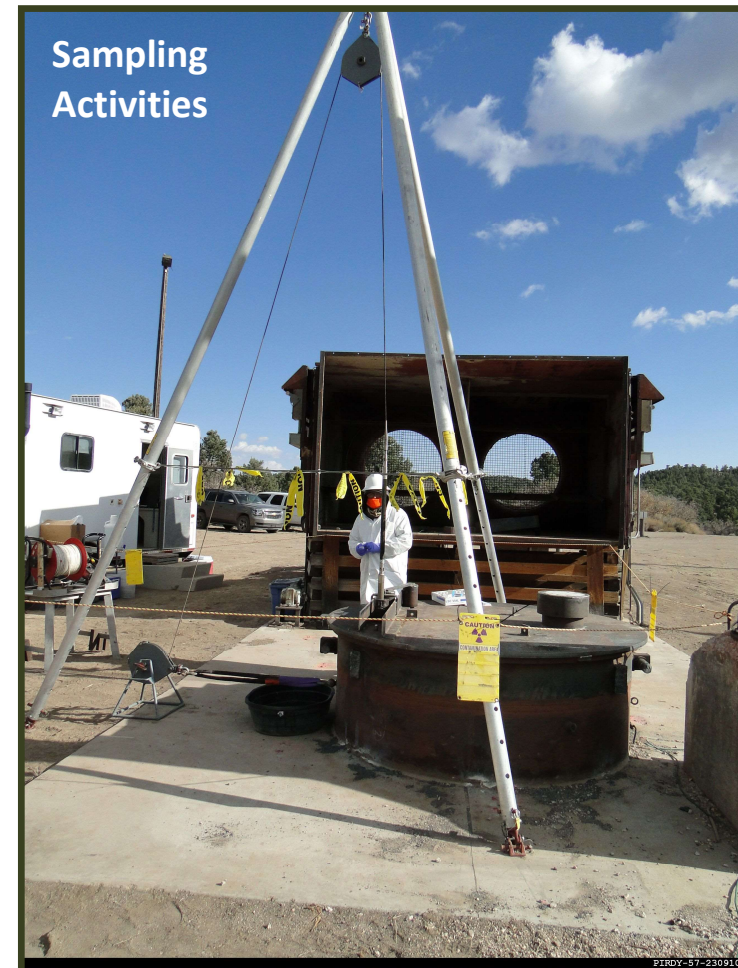
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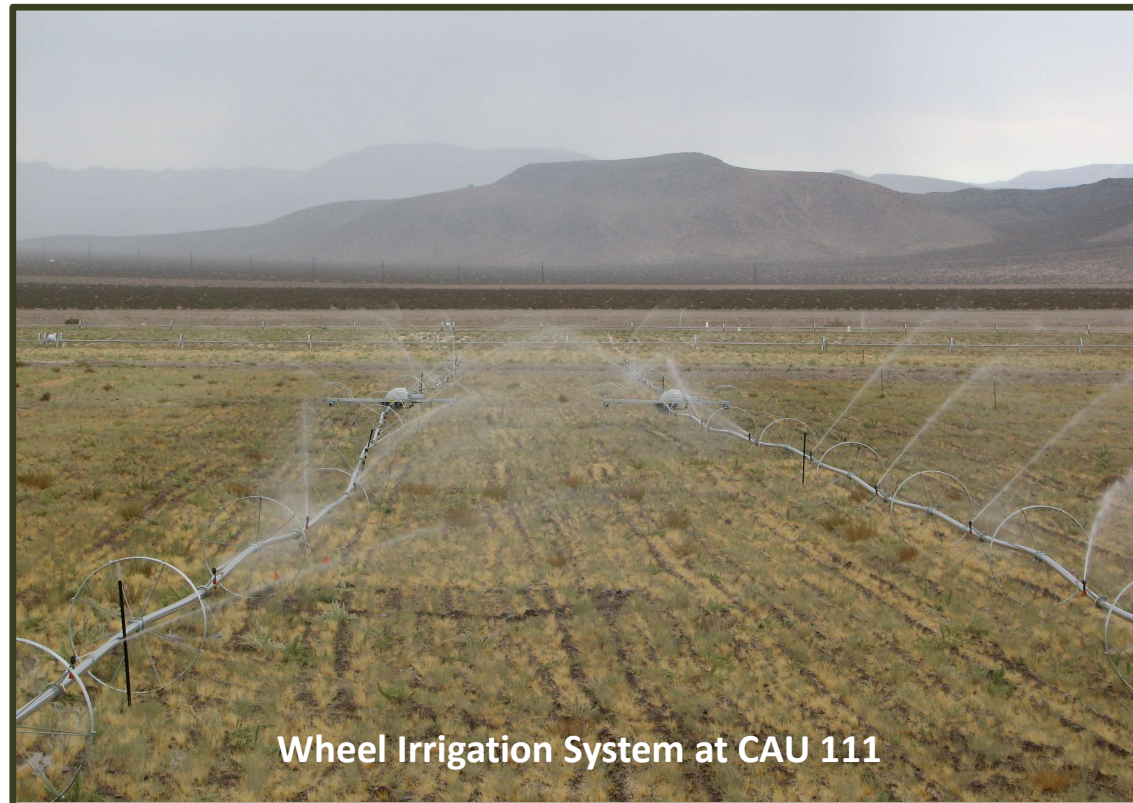
Task B – Post-Closure Monitoring

- 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 at CAU 111 on the Area 5 RWMC



Wheel Irrigation System at CAU 111



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
- Milestones:
 - Submit annual closure monitoring reports to NDEP



Industrial Sites Tasks



Tiffany Gamero
Industrial Sites Activity Lead
EM Nevada Program



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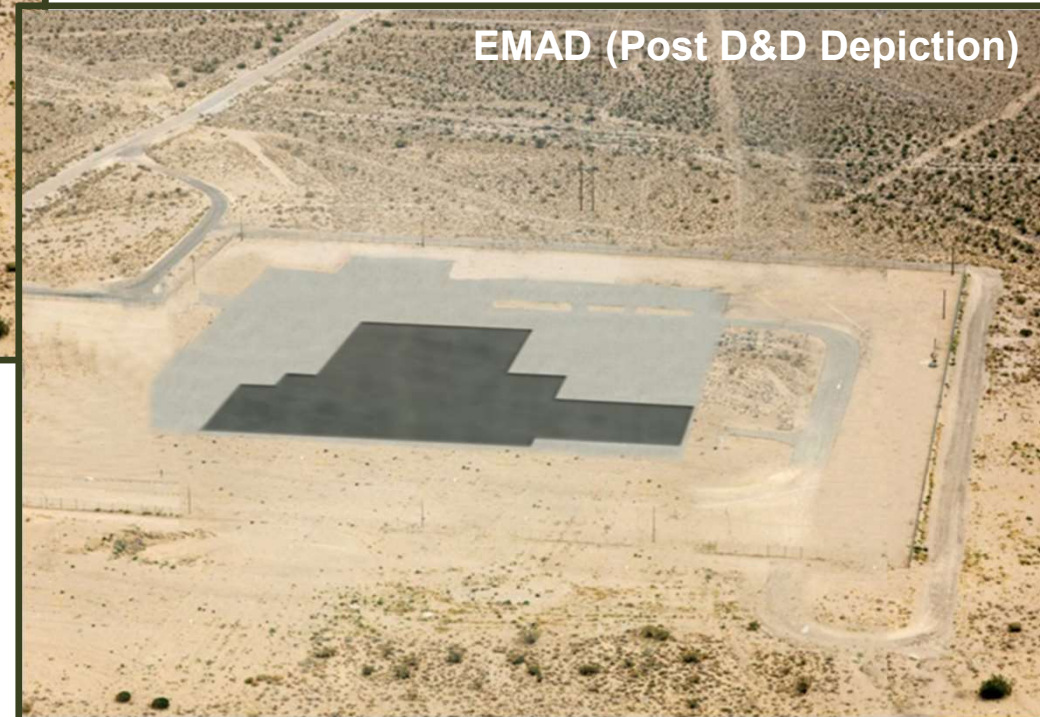
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Task C – Engine Maintenance Assembly and Disassembly (EMAD) Facility



- Description:
 - Continue demolition and closure activities



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

- 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 could be impacted



Stakeholder Support Task



Jesse Sleezer
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

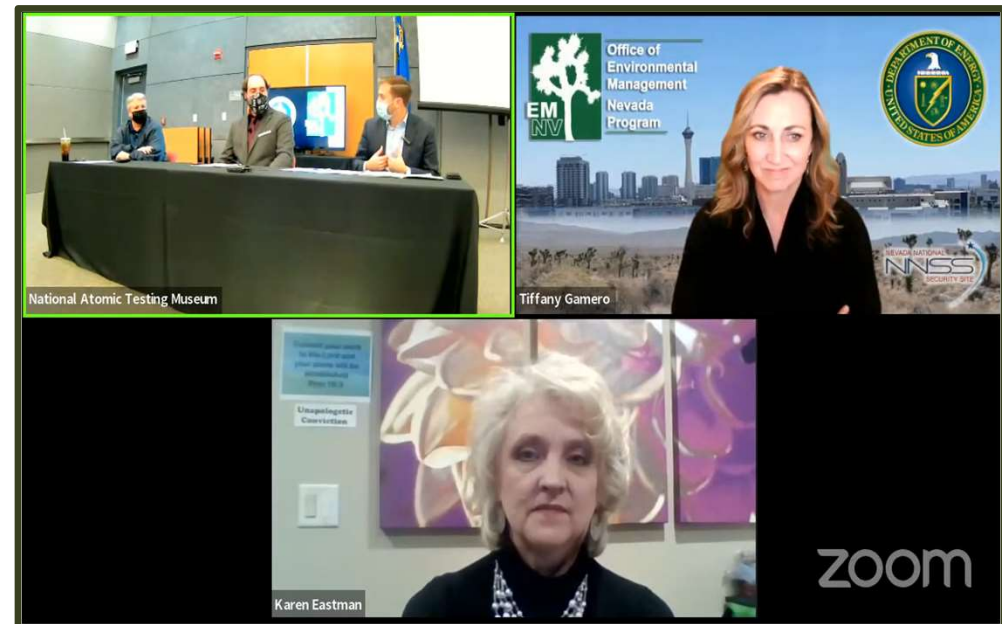


Environmental scientist Tiffany Gamero hosts the EM Nevada Program's first virtual field trip for students from Lied STEM Academy, part of the Clark County School District



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 Characterization Task



John Myers
UGTA Activity Lead
EM Nevada Program



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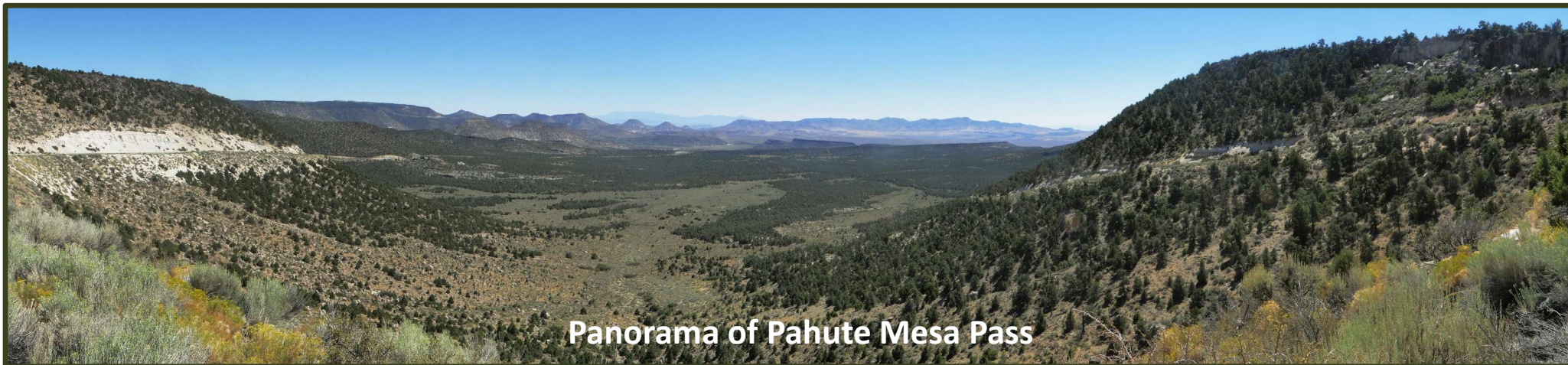
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Task F – Central and Western Pahute Mesa

- Descriptions:
 - Corrective Action Decision Document/Corrective Action Plan (CADD/CAP)
 - Submit to NDEP, resolve comments, and finalize document



Panorama of Pahute Mesa Pass



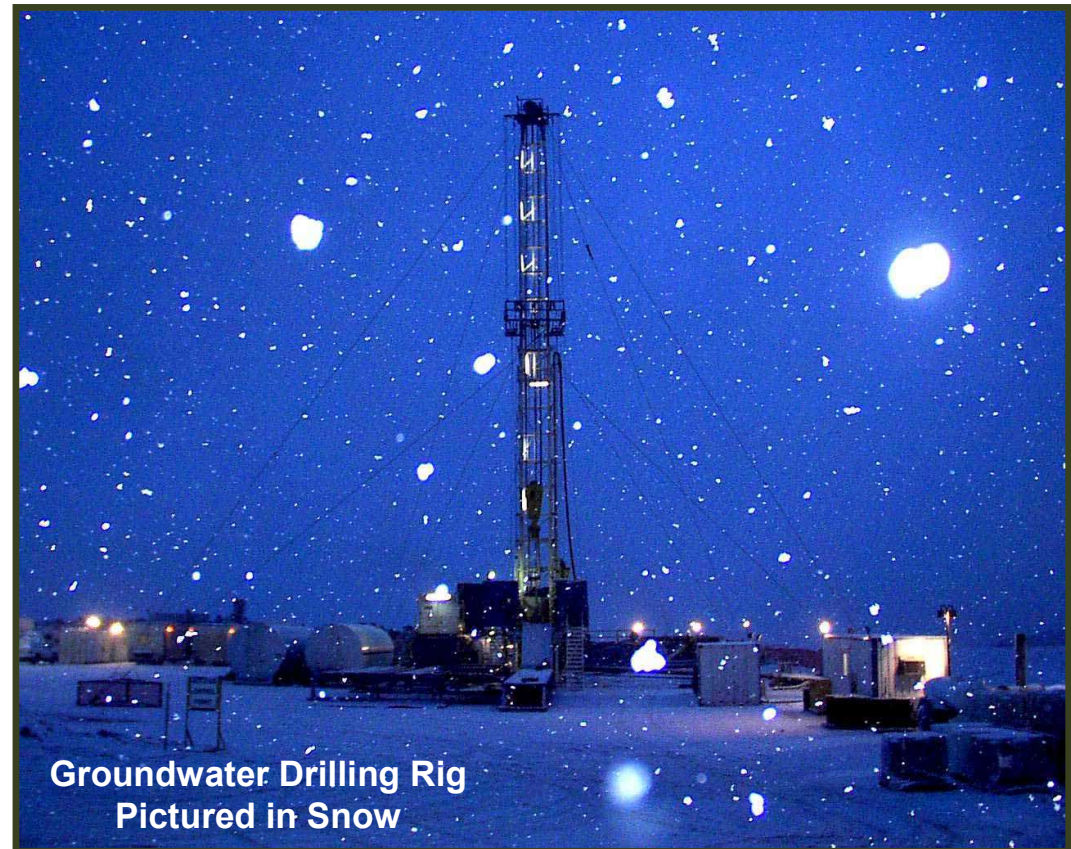
Task F – Central and Western Pahute Mesa (continued)

- Model Evaluation
 - Annual sampling
 - Groundwater sampling
 - Inspections and water level measurements
 - Develop CY 2023 annual sampling report



Task F – Central and Western Pahute Mesa (continued)

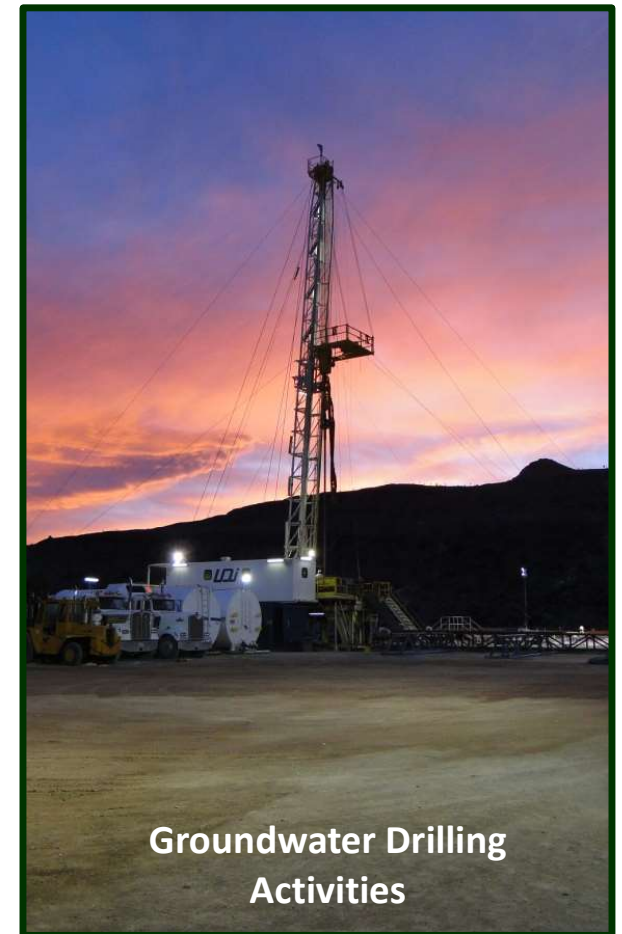
- Drilling/Well Development and Testing
 - Complete well siting and design for future drilling of model evaluation wells
 - Initiate drill pad/road/sump construction
- Initiate new data evaluation and interpretation



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 Final CADD/CAP to NDEP
 - Submit CY 2023 Annual Sampling Report to NDEP
 - Complete Well Installation Presentation to NDEP



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



Tonight's Path Forward (continued)

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NSSAB Prioritization Worksheet

Name _____

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