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24-12016

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In accordance with NRS Chapter 719,
this filing has been electronically signed and filed
by: /s Amanda Sanchez

By electronically filing the document(s),
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This filing has been electronically filed and deemed to be signed by an authorized agent or
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CMN Smart Energy Alliance Wynn Las Vegas Southern Nevada Gaming Group

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April 8, 2025

Trisha Osborne
Assistant Commission Secretary
Public Utilities Commission of Nevada
1150 E. William Street
Carson City, NV 89701

Corrected – to correct errors in orientation and completeness of exhibits

Re: Docket No: 24-12016 – Joint Application of Nevada Power Company d/b/a NV Energy and Sierra Pacific Power Company d/b/a NV Energy for approval of their First Amendment to their 2024-2026 Joint Natural Disaster Protection Plan

Dear Ms. Osborne:

Please find enclosed for filing, *the Corrected* shared Prepared Direct Testimony of Mark Regan on behalf of Smart Energy Alliance, Wynn Las Vegas, Southern Nevada Gaming Group, Nevada Resort Association, Caesars Enterprise Services, LLC and MGM Resorts International in the above referenced docket.

If you have any questions regarding this filing, please do not hesitate to contact me.

Sincerely,

/s/Laura K. Granier

Laura K. Granier
Of Holland & Hart, LLP
Attorney for CMN

Sincerely,

/s/Lucas M. Foletta

Lucas M. Foletta
Of Holland & Hart, LLP
Attorney for SNGG

Sincerely,

/s/Curt R. Ledford

Curt R. Ledford, Esq.
Davison Van Cleve, PC
Attorney for SEA and Wynn

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BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

Joint Application of Nevada Power Company d/b/a NV Energy and Sierra Pacific Power Company d/b/a NV Energy for approval of their First Amendment to their 2024-2026 Joint Natural Disaster Protection Plan.	)))))	Docket No. 24-12016

PREPARED DIRECT TESTIMONY OF MARK REGAN ON BEHALF OF SMART ENERGY ALLIANCE, WYNN LAS VEGAS, SOUTHERN NEVADA GAMING GROUP, NEVADA RESORT ASSOCIATION, CAESARS ENTERPRISE SERVICES, LLC AND MGM RESORTS INTERNATIONAL

April 8, 2025

INTRODUCTION

Q.1. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A.1. My name is Mark Regan. My address is 8800 Rivercrest Road, Arcadia, OK 73007.

Q.2. PLEASE STATE YOUR OCCUPATION, AND PARTY FOR WHOM YOU ARE FILING TESTIMONY

A.2. I am employed as a Senior Consultant with All Pro Fire Mitigation Consulting LLC. I am filing testimony for Smart Energy Alliance, Wynn Las Vegas, Southern Nevada Gaming Group, Nevada Resort Association, Caesars Enterprise Services, LLC, and MGM Resorts International.

Q.3. PLEASE SUMMARIZE YOUR EDUCATION AND WORK EXPERIENCE.

A.3. I was hired by NV Energy (sometimes, the "Companies") in 2019 as the Fire Mitigation Specialist. This role consisted of developing and implementing NV Energy's first and second Natural Disaster Protection Plan ("NDPP"). In my role, I provided leadership and program direction for NV Energy's wildfire mitigation plan and strategy. I helped ensure the NDPP aligned with existing statutes, codes, regulations, and Public Utility Commission of Nevada ("Commission," or sometimes "PUCN") requirements. Also in that role, I trained company personnel, contractors, and external partners on how to plan major projects, safety mitigation, fire codes, regulation compliance, professional agency liaisons, and emergency services in the permitting arena. I also testified and provided testimony in NDPP Dockets before this Commission on behalf of NV Energy.

Q.4. ARE THE COMPANIES PROPOSING A SIGNIFICANT CHANGE TO THE WAY THEY PREVIOUSLY PLANNED TO EXECUTE ON THE INAUGURAL AND THE SECOND NATURAL DISASTER PROTECTION PLANS?

A.4. Yes, what we are seeing in this application is evidence of scope creep. It also highlights the Companies have chosen not to fund the suggested corrective actions through the regular business units funded under revenues collected through the General Rate Cases ("GRC"), even

though the NDPP was to be executed by the regular business units and funded from the GRC budgets. For example, the Companies are now seeking approval to have a large staff of existing positions held in the companies fully funded under the NDPP. This is different from how the Resource Sufficiency Section of the plans were presented in the prior plans approved by the Commission. The Companies previously stated that the NDPP would only require a very small group of fully dedicated positions that currently don't exist within the Companies. Examples of some of these positions needed under the Resource Sufficiency Section of the plan were the Fire Mitigation Specialist, Senior Operations Analyst, Meteorologist and Fire Management Officer. This need for a smaller staff was because the plan was to be executed by the regular business units throughout the Companies, recognizing the Companies were performing some of this work that was part of the ordinary course of business. In other words, the Companies already had the full-time positions performing many of the same tasks that would be needed to execute the NDPP.

This was also highlighted and restated on page 5 of the Key Decision Report for detailing the Corrective Action Plan of NDPP that was provided by the Companies as part of response to Staff 44 and Staff 29, where the Companies explain that beginning in 2020 they tried to stop backfilling these existing positions when they became vacant. Staff 44 and Staff 29 is attached as Exhibit MR-1, and the relevant provision is copied below:

> "The execution of the plan was assumed to be delivered by the regular business units. However, at the same time, commencing in 2020 the Companies endeavored to constrain backfilling of vacant positions."

Q.5. DID THE COMPANIES' DISCOVERY RESPONSES IN THIS PROCEEDING CAUSE CONCERNS ABOUT THEIR IMPLEMENTATION OF THE NDPP?

A.5. Yes. While customers have been paying significant amounts for the Companies to prepare and implement their NDPP, discovery responses NV Energy has provided in this docket

demonstrate a lack of prioritization and unusual approach to carrying out the plan. For example, in response to Staff 44 and Staff 29, the Companies state:

> Additionally, initiatives continue to compete with current economic growth resulting in new connections occurring across Nevada. All things considered, the head count within Electric Delivery, where NDPP resides, had been relatively flat from 2019 to 2024, resulting in business units, including NDPP, to prioritize positions and work largely within existing headcounts.
>
> The inaugural NDPP team included a Sr. Operations Analyst that self-terminated during 2022. Head count constraints caused the Sr. Operations Analyst position to be re-classified to a Sr. Construction Management Lead to meet an immediate and urgent need for system hardening field execution. The Companies attempted to absorb the Sr. Operations Analyst function in Electric Delivery to no avail. **After a constant transition of employees and de-prioritization of NDPP needs, the NDPP enlisted a third-party contractor to perform this function, but efforts were limited at best, due to the lack of knowledge and experience third-party contractors have for company-specific organization and process flows**.

Q.6. DOES IT APPEAR THAT THE COMPANIES HAVE REASSIGNED POSITIONS PREVIOUSLY WITHIN THE REGULAR BUSINESS UNIT FROM FUNCTIONS THAT WERE CARRIED OUT IN THE ORDINARY COURSE OF BUSINESS TO POSITIONS COVERED UNDER NDPP?

A.6. Yes. Again, in their response to Staff 44 and Staff 29, the Companies explain that the positions within the regular business unit that performed functions important to ongoing management of wildfire risk from NDPP were re-assigned to new business. While the Companies appear to be explaining this to try to justify why they're now proposing to expand NDPP positions for special recovery, it appears to demonstrate a lack of prioritization of implementing theNDPP and now an effort to transform ordinary course of business positions to NDPP positions to gain special recovery treatment. As the response to Staff 44 and Staff 29 states, in relevant part:

> "During 2020, five of the eleven internal design resources were approved to perform NDPP design for system hardening. Dedicated resources remained within the regular business unit and by 2021 were re-assigned from NDPP to new business, leaving NDPP without design resources, jeopardizing capital system hardening milestones.
>
> NDPP attempted to on-board and train entry level contractors but was unsuccessful not having a dedicated resource to perform training/mentoring. By 2023, NDPP converted an Operations Analyst position (responsible for NDPP reporting) to a Sr. UDA."
>
> "Lack of standards engineering support early in the program resulted in incomplete design and construction standards for use with covered conductor installation."

"Electric lines struggle to maintain adequate resources required to perform planned outages, switching and field oversite of third-party NDPP lines crews. These resource issues are responsible, in part, for the oversite issue discovered with covered conductor installations that failed."

"The Companies lack resources to review, coordinate and execute on planned outages for NDPP. This has resulted in missed outages, even after customers have been notified. Work associated to rescheduled outages has resulted in change orders and remobilization of contractors to different job sites."

"Narrow focus on performing ariel clearing of the ROW in the high fire risk areas has now left **populated non-tier areas lagging**."

Q.7. DOES THE COMPANIES' REPORTING OF HAVING LEFT "POPULATED NON-TIER AREAS LAGGING" WITH RESEPCT TO ARIEL CLEARING OF THE ROW JUSTIFY NEW NDPP POSITIONS?

A.7. No. It does not. The Companies' performance of their responsibilities in the ordinary course of business or, "lagging" of those activities, may require action but that does not mean NDPP specific provisions should be added that drives up the special recovery of costs for employee positions that cover ordinary course of business.

Q.8. WHAT IS THE KEY DECISION REPORT?

A.8. This key decision report covers various key decisions that culminate into a series of corrective actions required not only to successfully implement the NDPP but also to align NV Energy with maturity models for Berkshire Hathaway Energy and other utilities having the same or similar wildfire risk.

Q.9. WHAT DOES THE KEY DECISION REPORT THAT WAS PART OF AN AUDIT ON CORRECTIVE ACTIONS OF THE NDPP HIGHLIGHT REGARDING HOW THE NDPP WAS EXECUTED?

A.9. The Key Decision Report highlights the NDPP was going to be executed through the regular business units already within the Companies. But then the Companies made the decision not to backfill vacant positions or to increase the number of employees in the Electric Delivery Department and other departments, making it difficult for the NDPP to be executed and to have proper oversight. It highlights that the Companies prioritized other initiatives over performing

the risk reduction work approved in the NDPP. It highlights the Companies have chosen not to fund the suggested corrective actions through the regular business units funded under revenues collected through the GRC, even though the NDPP was to be executed by the regular business units and funded from the GRC budgets.

It further highlights that a lot of the NDPP project delays, oversight issues, NDPP reporting issues, budget underspends or additional contractor cost is mainly caused by the Companies not wanting to fund and fill positions to execute the NDPP in the normal course of business. Again, some of these positions in the regular business units were approved positions that the Companies simply chose to not backfill when they became vacant. Now, the Companies are asking the PUCN to approve funding the positions using the underspent NDPP budgets that were approved to perform the risk reduction work, since the Companies elected not to fund the needed positions out of the GRC budgeted monies.

Q.10. CAN YOU PROVIDE AN EXAMLE OF THIS?

A.10. Yes. One example is the Senior Operations Analyst position. The Companies are saying this position is needed to identify processes to capture and consolidate data for the NDPP's multiple programs performance to analyze, and coordinate requirements related to the NDPP's legislative, regulatory, and other compliance areas. This position would also support process efficiencies and documentation for the various NDPP programs. Again, in response to Staff 44 and Staff 29, the Companies acknowledge they "self-terminated" the "inaugural NDPP team … Sr. Operations Analyst."[1] Then they assert that "head count constraints caused the Sr. Operations Analyst position to be re-classified to a Sr. Construction Management Lead to meet an immediate

[1] Exhibit MR-1.

and urgent need for system hardening field execution. The Companies attempted to absorb the Sr. Operations Analyst function in Electric Delivery to no avail."[2]

This position was filled and was part of the NDPP, identifying processes to capture and consolidate data for the NDPP's multiple programs performance to analyze, and coordinate requirements related to the NDPP' s legislative, regulatory, and other compliance areas. This position would also support process efficiencies and documentation for the various NDPP programs. The Companies chose to not fill the position in 2022 and later attempt to have the functions performed in late 2023 with the Sr. Construction Management Lead. Since the Companies made the decision to not fill and fund both of the positions the NDPP suffered and failed with being compliant since 2022 with related NDPP legislative, regulatory, and other compliance areas. As the KDR also stated:

> "After a constant transition of employees and de-prioritization of NDPP needs, the NDPP enlisted a third-party contractor to perform this function, but efforts were limited at best, due to the lack of knowledge and experience third-party contractors have for company-specific organization and process flows" This statement shows the Companies de-prioritized the NDPP needs then incurred cost from a third party contactor that their efforts were limited at best. The Companies still requested recovery of below standard performance from this third-party contractor."

Q.11. SCOPE CREEP HAS BEEN IDENTIFIED AS A CONCERN PREVIOUSLY. DO THE TWO POLICIES THE COMPANIES IMPLEMENTED LAST YEAR THAT WERE NOT PART OF THE NDPP -- THE SYSTEM WIDE PSOM POLICY AND EMERGENCY DE-ENERGIZING POLICY -- COVER ORDINARY COURSE OF BUSINESS AREAS BEYOND THE APPROVED NDPP WILDLAND RISK TIER AREAS?

A.11. Yes, both the System wide PSOM Policy and Emergency De-energizing Policy the Companies implemented last year cover 78% of the overhead system that is not covered under NDPP. The Companies informed the Commission they were implementing these policies in the

[2] Id.

annual NDPP update but represented to the Commission and customers that there is no cost or impact to the NDPP.[3]

Q.12. IS THE PRIMARY PURPOSE OF THESE POLICIES NDPP?

A.12. No. After reviewing the documents provided, it seems that the main reason for the Companies implementing these policies is to lower the liability risk for the Companies and BHE across the entire system. This is mostly an ordinary course of business expenditure rather than an NDPP element. As discussed above and in the KDR provided as part of Staff 44 and Staff 29, the Companies do not perform wildland fire risk mitigation work on the other 78% of the system that is outside of the approved NDPP.

Q.13. ARE THE COMPANIES PERFORMING ORDINARY COURSE OF BUSINESS PATROLS AND INSPECTIONS IN ACCORDANCE WITH INDUSTRY BEST PRACTICE?

A.13. No. As stated in Staff 44 and Staff 29, the Companies don't perform or have a program in place to perform patrols and inspections on the other 78% of the system that is in wildland areas and outside of the NDPP, even though they state it is industry's best practice to patrol and inspect 100% of the system. They appear to recognize this is ordinary course of business practice and expenditure, but then don't perform or have a program in place to perform pole grubbing or ROW clearing on the other 78% of the system, even though it's required by the WUI Codes and best industry practices.

The Companies will even have the contractors performing this type of work on circuits that checkerboard in and out of the NDPP tiers along the edges of boundaries. They instruct contractors to stop and skip poles that are in a non-tier area (not covered by NDPP), but still in a wildland area, and then start the reduction work a few poles down because it enters back into the NDPP tier.

[3] Amendment, p.3; Howard, at Q&A 24.

This is because this would require the work to be funded out of the Companies' revenues recovered in the GRC or other Companies' budgets. The Companies wanted a mechanism in place to lower the liability risk to the Companies and BHE since they don't perform or fund wildland fire risk reduction work outside of the NDPP tier areas. Plus, some of the NDPP risk reduction have experienced some execution project delays. These are the main reason for these policies.

Q.14. SINCE PSOM AND EMERGENCY DE-ENERGIZATION POLICIES APPLY TO AREAS BEYOND THE NDPP APPROVED FIRE RISK TIER AREAS, WILL THE COMPANIES' PROPOSAL REGARDING THESE POLICIES HAVE A FINANCIAL IMPACT ON THE NDPP?

A.14. Yes, if the policies are approved to be added under the NDPP, the NDPP would be funding approximately 78% to 87% of programs and positions that are ordinary course of business expenditures that would be needed because of these policies, even though they cover areas outside the NDPP approved fire risk Tier areas. What's more, this would not be the first time NDPP budgets have been used to finance ordinary course of business fire mitigation work.

The Emergency De-energization policy requires monitoring of the fires across the Companies' territory. This policy requires certain tasks to be performed by NDPP dedicated staff and others when a fire starts regardless of whether it occurs in a NDPP approved fire risk Tier. Having to perform these tasks stops the staff from working on NDPP-specific risk mitigation efforts, yet the NDPP salaries for NDPP personnel continue to be charged to NDPP budgets. The fully dedicated NDPP personnel impacted include the Fire Mitigation Specialist, Fire Management Officer, Meteorologist, PIO and GIS. As to the GIS position, if the position is not on-call, then the NDPP will incur charges from the Companies GIS department. If the Companies activate the Emergency De-energization Policy, this requires additional staff hours and costs of activating the IMT.

Q.15. HOW OFTEN ARE NDPP DEDICATED RESOURCES ACTIVATED OUTSIDE NDPP APPROVED TIERS?

A.15. The Companies reported 802 wildland fires in Nevada and 7 Emergency De-energizations in 2024. Out of those reported wildland fires, 70% of these 558 fires were in the non-tier areas outside of the NDPP and 1 of the 7 Emergency De-energizations were in Sierra County/Loyalton, California during the Bear Fire. The information provided by the Companies did not match the total number of wildland fire in the Tiers areas according to the data provided in the response to SNGG 2-07 and 2-08. One report had 244 fires that were in the NDPP tier areas. Then the Companies reported that they monitored, or responded to 207 fires of which only 105 were in a NDPP Wildland Risk Tier. Out of all the fires last year, only 13% of them were in the NDPP Wildland Risk Tiers that the Companies monitored or had some type of response to. The other 87% were outside of the NDPP Wildland Risk Tiers. Out of the fires the FMOs only responded to 4 fires in the NDPP Fire Risk Tier areas and 3 fire in Non-tier areas or in California. A troubleman from the Companies responded to 41 wildland fires in a NDPP tier area and 49 times to Non-NDPP area for a wildland fires out of the 207 the Companies reported. Not all the data was provided that was requested in SNGG 2-07 and 2-08 that would have helped provide a better understanding of the locations of the wildland fires. SNGG 2-08 requested PDF maps and KMZ files of the 207 fire incidents reported in Howard Direct #25.

The Companies Objected to SNGG 2-08 "to the extent it seeks information not within the Companies' possession, custody or control and to the extent it is unduly burdensome and overbroad." This request would not be unduly burdensome. I believe the Companies have the 207 maps requested in their possession. When the FMO or FMS had a report of a wildland fire and started to monitor the fire they would add the fire information to the excel wildland tracker file that the Companies provided an edited copy of. They then request a PDF map from the On-Call GIS employee to create a map showing the reported fire location, NDPP Tier areas and AHJ. These maps would then be emailed out to a large email wildfire group throughout the Companies. These

maps would be saved in the FMO or FMS and by the GIS department in two different locations. The maps would be updated with the fire size and fire perimeter as the information became available and re-emailed to the wildfire group. This information would have been very helpful for all parties and the Commission to review to understand the wildland fire locations and the amount of wildland fire that was reported outside of the NDPP tiers areas that the dedicated NDPP funded staff positions monitor.

With regard to the Emergency De-energization Policy, under the Companies' proposal before this Commission, that policy requires fully dedicated NDPP positions to perform tasks 78%-87% of the time outside of the approved NDPP area but their salaries and other charges from the Companies GIS department and IMT activations to my knowledge would continue to be charged to the NDPP budgets.

Reviewing the data back to 2020, these percentages of the locations of the wildland fires have been consistent. If the Commission were to approve these policies to be added to NDPP as the Companies request, the NPDD would continue to fund 78%-87% of costs outside of the NDPP area – transforming ordinary course of business expenditures to NDPP.

Q.16. ARE THERE OTHER EXAMPLES OF SCOPE OR MISSION CREEP?

A.16. Yes. The Companies' proposal regarding the hazard awareness desk and Palantir Foundry system are two such examples. Both requests would be used for monitoring the entire system and to be used to track data for the entire infrastructure. These have been and continue to be ordinary course of business expenditures. The approved NDPP wildland risk tiers address only about 22% of the overhead system. Thus, if approved, 78% of the cost would be transformed by the Companies' requested decision from the PUCN to NDPP expenditures to support non-NDPP areas.

Q.17. CAN YOU BE MORE SPECIFIC ABOUT HOW THESE EXPENDITURES WILL SUPPORT NON-NDPP TIERS?

A.17. Yes. The request for these two programs is due to the Companies implementing the Emergency De-energization Policy that requires the additional tracking and documentation of fires, including tracking fires miles from the potentially affected utility infrastructure.[4] These additional tracking and monitoring requirements are not requirements under the PUCN regulations; they are internal requirements established by the Companies and BHE. The PUCN approved regulation only requires tracking and reporting of ignition events and damage cost related to these ignition events. Also, it only requires notification of a wildland fire greater than an acre in the vicinity of the infrastructure.[5]

Q.18. DO YOU HAVE CONCERNS ABOUT THE COST OF THESE PROGRAMS BEYOND YOUR CRITICISM OF THE BUDGETING FOR THEM?

A.18. Yes. I am concerned that the costs of these programs is unnecessarily high. The cost of the Palantir Foundry program is fairly high considering last year 105 fires occurred in a NDPP Wildland Risk Tier with only 33 of those fires being greater than 1 acre according to the data the Companies provided in their partial response to SNGG 2-07 and 2-08. The Companies reported 16 ignition events in the Tier areas and 11 ignition events in the Non- Tier areas, with 16 fires still under investigation in the Tier areas and 9 still under investigation in the Non-Tier areas according to the data the Companies provided as their partial response to SNGG 2-07 and 2-08. This is a small amount of tracking that is required as part of the NDPP that does not justify inclusion in the NDPP budget.

Regarding the hazard awareness desk, the Companies state that many utilities use hazard awareness centers. The reason the many other utilities use awareness centers is because they don't

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[4] The exact number of miles was publicly available in this and another docket for many months, but has since been redacted. In light of the Companies' asserted confidentiality, I am not referencing the specific numbers in this testimony, but the Commission should consider those in this Application.

[5] LCB File No. R085-19.

have Fire Mitigation Officers or Fire Mitigation Specialists on staff to monitor the wildland fires. The Companies currently have six NDPP positions that monitor wildland fires and fire risk: 3 fire mitigation officers, 2 meteorologists, and 1 Senior Data Scientist. The main responsibility of the three Fire Mitigation Officer's is to monitor and respond to wildland fires. The Companies' proposal requests five additional positions for the hazard desk and a Fire Manager, bringing the total dedicated NDPP positions to monitor fires to 12. This is excessive given the relatively small number of events that that occurred in the NDPP Wildland Tier areas (105). To my knowledge, other utilities with hazard desks have similar staffing levels to what the Companies currently have.

Q.19. ARE THERE OTHER PROGRAMS IN THE FIRST AMENDMENT THAT SHOW SIGNS OF SCOPE CREEP?

A.19. Yes. The request for the approval of the AiDash pilot program also has signs of scope creep. The Companies requested the full amount of the pilot program to be approved under the NDPP. But during the discovery process we learned from the Companies' responses that the pilot program also included Non-Tier areas outside of the approved NDPP Wildland Fire Risk Tiers. In DR SNGG 2-31, the Companies were asked about the scope for AiDash which, according to the KDR included Tier 3,Tier 2, Tier 1E and non-Tier selected circuits.

The Companies responded that they would have only requested reimbursement of expenditures made specifically in connection with the NDPP approved tier areas. However, I am concerned that despite this representation, the Companies asked for the full amount of the pilot program to be approved and funded by the NDPP. The Companies were seeking approval of 30.7% of Non-NDPP approved areas under this pilot program. Totaling 538 miles out of the 1,750 miles in the pilot and 30.6% of the total cost requested for the pilot was for the Non-NDPP approved area. The Companies should have highlighted in the request that part of the pilot program is in a non-tier and remove cost of the non-tier areas in the requested amount they are seeking approval.

The Companies stated in the amendment they are requesting $806,039 in 2025 and $2,268,961 in 2026 for the AiDash pilot to the addition of the $249,700 requested. These additional cost for the pilot program have not been reviewed to see if additional costs requested are in a Non-NDPP areas. The KDR that the Companies provided in response to Staff 44 and Staff 29 states: "with the addition of Tier1, which was added to the NDPP 2024 with a limited scope of cyclical maintenance activities. Situational awareness is limited in Tier 1 and beyond the fire tiers."

In the KDR that was approved by leadership, the Companies are saying NDPP situational awareness can go beyond the fire tiers. Yet, NDPP Situational Awareness costs and programs have not yet been approved by the PUCN and, in my view, are ordinary course of business expenditures.

In DR SNGG 2-35, the Companies were asked why this request was not part of the Second Triennial Natural Protection Plan. The Companies responded that the Second Triennial Natural Disaster Protection Plan was filed on March 1, 2023 in Docket No. 23-03003 and that the Companies became aware of AiDash and decided to pursue a pilot project after that filing had occurred. In fact, the Companies were in negotiations with AiDash, reviewing the capabilities of the program and reviewing cost proposals since 2022.

Q.20. ARE THERE OTHER EXAMPLES OF PERSONNEL THE COMPANIES PROPOSE TO BE FUNDED BY NDPP BUT SERVE THE ENTIRE SYSTEM?

A.20. Yes. Distribution Outage Coordinator and Distribution Operator positions, as requested by the Companies, would not just be dedicated to the NDPP Risk Tiers. They would also be used for normal system control issues and outages--outages that are not natural disasters. The Companies state these positions will also respond to emergency calls, including for downed wires, unplanned outages, fire agency reports of active fires (not related to equipment caused fires), vehicle accidents, and other outage incidents. This would clearly be scope creep since these events are part of the normal course of business.

Q.21. ARE THERE MORE EXAMPLES OF SCOPE CREEP INVOLVING POSITIONS ALREADY APPROVED BY THE COMMISSION WHICH THE COMPANIES ARE PROPOSING TO ADD HERE?

A.21. Yes. Fire Prevention Manager and Fire Mitigation Officer job responsibilities have become much smaller with the main focus being on wildland fires and emergency de-energization policy. As stated above 78%-87% of the wildland fires are in non-tier areas and the de-energization policy covers the entire system. Their responsibility of performing NDPP vegetation risk reduction work has been shifted to mainly wildland fires with only 13% of the fires occurring in the NDPP Tier areas. They are tracking and performing tasks outside of the NDPP risk areas but still charging their salary to the NDPP budgets. These new positions if approved would need to have the total cost adjusted for all the Non-NDPP fires.

In addition, Vegetation Management Administrators and Emergency Manager Administrator Currently exist in the Companies and would also be used to perform work outside of the NDPP risk tiers. They would be the normal course of business On-call rotation to cover other needs system-wide.

The Companies' proposal for electric lines inspections positions consists of five troubleshooters and two inspectors. This proposal also concerns me. These positions currently exist in the electric operations department. These positions could also be used for the needs of a normal course of business event or project without explicit protection to the contrary. It is also possible the collection bargaining agreement under which these employees would be covered could complicate rotating them through the NDPP.

Q.22. SHOULD THE COMPANIES' REQUEST FOR APPROVAL OF THE SHORT-RANGE FIRE CAMERAS BE GRANTED?

A.22. No, funding should not be approved, and the current funding should be stopped. During the discovery process the Companies stated in response to DR SNGG 2-28 they are not pleased with the current provider and the system is not performing as expected.

The Companies' response to SNGG 2-28 states:

• However, the Companies are not satisfied with the service provided by Lindsey FireBIRD during this pilot.

• For the additional short-range cameras requested in the First Amendment, NV Energy intends to select a new vendor. The Companies should preform additional research on this type of technology before requested funding to be approved on a program that is not performing as expected.

Q.23. SHOULD THE COMPANIES' REQUEST FOR FUNDING FOR ADDITIONAL LONG-RANGE FIRE CAMERAS BE APPROVED AT THIS TIME?

A.23. At this time this question cannot be fully answered. The Companies have not provided the view sheds of the new cameras. In response to DR SNGG 2-24, the Companies responded that viewshed maps would be available for review in April 2025. Until we have the opportunity to review this data, some of the new long range fire cameras could be fully or partially monitoring Non-NDPP tier areas for wildland fires. If this is the case the cost of those cameras should not be approved under the NDPP. The KDR that was provided in response to Staff 44 and Staff 29 states: " with the addition of Tier1, which was added to the NDPP 2024 with a limited scope of cyclical maintenance activities. Situational awareness is limited in Tier 1 and beyond the fire tiers"

In the KDR that was approved by leadership the Companies are saying NDPP situational awareness can go beyond the fire tiers. NDPP Situational Awareness costs and programs have not yet been approved by the PUCN. Until the locations and view shed maps are provided that approval should be held since the approved KDR is stating they can go beyond the fire tiers. These currently are ordinary course of business expenditures that the Companies here seek to transform into NDPP.

Q.24. SHOULD THE FUNDING FOR THE MT. CHARLESTON MICRO GRID PROJECT BE APPROVED AT THIS TIME?

A.24. No, not at this time. The Companies have not even started working with the USFS to even see if this would even be considered to be placed on USFS lands. Consequently, the Companies do not know what the permitting, environmental surveys, public hearing or decision memo requirements would be from the USFS. If environmental surveys and/or consultation and review by the State Historic Preservation Office ("SHPO") are necessary, those processes alone could take 2 to 3 years. If that is the case, the project could not be implemented until after the current NDPP plan period. The Commission should not approve this project until the Companies conduct further consultation with USFS and SHPO and generate a clearer picture of associated regulatory requirements and a project timeline.

Q.25 SHOULD THE EMERGENCY DE-ENERGIZATION POLICY BE APPROVED TO BE PART OF THE NDPP? AND DOES THIS BENEFIT THE CUSTOMERS AND COMMUNITIES ACROSS THE STATE? IS THIS POLICY IN CONFLICT WITH THE REGULATION INCLUDING WITH RESPECT TO IMPACTS ON CRITICAL FIRST RESPONDERS AND ON HEALTH AND COMMUNICATION INFRASTRUCTURE?

A.25. This Policy is in conflict with the Regulation and should not be approved to be a part of the NDPP. This policy actually puts the customers and communities at a greater risk of life and property loss. This policy handicaps the fire agencies with the ability to effectively suppress and contain a wildland fire by the de-energization of many miles in all directions. This impacts the fire suppression efforts and critical first responders and impacts health and communication infrastructure.

Water supply is one of the main elements needed to help suppress wildland fires. By De-energizing the water supply in all directions for many miles[6] will slow the suppression efforts and

[6] The exact number of miles was publicly available in this and another docket for many months, but has since been redacted. In light of the Companies' asserted confidentiality, I am not referencing the specific numbers in this testimony, but the Commission should consider those in this Application.

cause the fire to increase in size causing more property damage, larger environmental impacts, impacts to the ranching industry and possible increase in the loss of life. We witness what happens when the power to the water supplies is de-energized with the recent fires in California this year.

By De-energizing in all directions from the fire for many miles this also impacts the evacuation plans for the counties, cities and the state when the Companies de-energize the traffic lights for many miles in all direction. This increases time for evacuations of the citizens and animals with the traffic back-up this will cause. These back-ups of traffic delay fire apparatus responding to suppress the fire. Law enforcement trying to evacuate citizens and secure the area because all the traffic back-ups will be backed up at each traffic-controlled intersections.

By the Companies de-energizing an area many miles in all direction during a wildland fire this will impact the health of the communication infrastructure. This will overload the communication system when almost all communication is forced to the cellular network for data, internet and phone calls. The citizens won't be able to receive emergency alerts and updated emergency alerts. The citizens won't be able to call 911 when the system is overloaded. Plus, all emergency services won't be able to communicate.

The Companies only met with the EWG few days before the Policy was implemented. The EWG did not develop this policy with the Companies on June 27th they were just advised the policy was being implemented on July 3rd. The Companies also failed to meet the regulations requiring

c) The input relating to the element that has been provided by:

(1) Each fire protection district in the service territory of the electric utility that is covered by the plan;

(2) The office of emergency management for each county covered by the plan;

(3) The Division of Forestry, Division of State Lands and Division of State Parks of the State Department of Conservation and Natural Resources; and

(4) The Division of Emergency Management of the [Department of Public Safety.] Office of the Military.

The Companies have not meet with and has provided all the input from all the parties listed above. All the correspondences have not been provided as requested in DR SNGG 2-16.

Q.26. THE CURRENT PUCN REGULATION REQUIRES THAT THE UTILITY DESCRIBE THE TIME FRAME IN WHICH IT ANTICIPATES EACH ELEMENT OF THE PLAN WILL BECOME PART OF THE NORMAL COURSE OF BUSINESS OF THE UTILITY. HAS THE UTILITY DESCRIBED A TIME FRAME IN WHICH IT ANTICIPTAES EACH ELEMENT OF THIS AMENDMENT WILL BECOME PART OF THE NORMAL COURSE OF BUSINESS?

A.26. The only timeline provided by the Companies was very vague and stated that during 2026 the team will develop the third triennial plan and at that time, also assess fluency to determine which NDPP functions may acclimate more fully to general business units. This does not fulfill the regulation's requirement and, the Commission should consider whether this proposal would more appropriately be addressed in the third triennial plan.

Q.27. THE REGULATION REQUIRES A COST-BENEFIT ANALYSIS FOR EACH ELEMENT. HAVE THE COMPANIES PROVIDED SUCH A COST-BENEFIT ANALYSIS FOR EACH ELEMEMT OF THIS AMENDMENT?

A.27. Again the Companies response to a cost-benefit analysis was very vague and was composed of mainly just project estimate costs or an approved KDR for the proposed project. I have not seen a true cost-benefit analysis for any of the requested elements of this amendment.

Q.28. IN LIGHT OF THE FOREGOING, WHAT CONCLUSIONS DO YOU REACH REGARDING THE COMPANIES' APPLICATION?

A.28. In general, I am concerned about mission/scope creep associated with the NDPP. The Companies' proposals reflect an intent to employ NDPP budgets to serve the entirety of the Companies' service territory. Though these expenditures in some cases are aimed at reducing wildfire, they are aimed at reducing wildfire and associated impacts outside NDPP tier areas. As such, many of these expenditures are ordinary course of business.

I am also concerned about the appropriateness of certain of the proposals, not just because of their likely use (for non-NDPP tier areas) but because the budgets are more than necessary to guard against wildland fire risk.

The Commission should carefully vet these proposals and make sure the Companies are not over-investing in this area, or transforming ordinary course of business expenditures to NDPP costs that receive special recovery (and regulatory asset treatment that increases costs to customers) to the exclusion of other expenditures necessary to maintain reliable service at just and reasonable rates.

Q.29. DOES THIS CONCLUDE YOUR TESTIMONY?

A.29. Yes, but I reserve the right to amend or correct it.

AFFIRMATION

Pursuant to the requirements of NRS 53.045 and NAC 703.710, Mark Regan, states that he is the person identified in the foregoing prepared testimony and/or Exhibits; that such testimony and/or exhibits were prepared by or under the direction of said person; that the answers and/or information appearing therein are true to the best of his knowledge and belief; and that if asked the questions appearing therein, his answers thereto would, under oath, be the same.

I declare under the penalty of perjury that the foregoing is true and correct.

Dated April 08, 2025

Mark Regan

Mark Regan

SUBSCRIBED and SWORN TO before me
a Remote Online Notary Public in and for the County of Jefferson
State of Colorado

04/08/2025 03:34 PM EDT

DOMINIC RAY HARRIS
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20234012894
MY COMMISSION EXPIRES APRIL 04, 2027

Online Notary Public. This notarial act involved the use of online audio/video communication technology. Notarization facilitated by SIGNiX®

NOTARY PUBLIC Dominic R. Harris

34576377_v1

Mark P. Regan

AllProFireMitigationConsulting@gmail.com • (775) 461 6200

MISSION STATEMENT

With over thirty-five years of commitment, I am dedicated to enhancing community safety by minimizing the impact of fires, disasters, hazardous conditions, illnesses, and injuries. My expertise includes fire investigation and fire risk reduction, where I apply thorough analysis and effective mitigation strategies to prevent and manage fire-related incidents. I excel in collaborating with elected officials, politicians, and federal and state agencies to secure support for innovative solutions to complex challenges. Through robust information dissemination, public education, and efficient resource utilization, I uphold the highest standards of professionalism, respect, teamwork, and safety. I am committed to continually improving services and addressing the evolving needs of diverse communities by implementing cutting-edge technology and forward-thinking solutions.

PROFESSIONAL EXPERIENCE

All Pro Fire Mitigation Consulting LLC **January 2025 to Current**
Senior Consultant and Member

- Determine Cause and Origin of wildland fires, structure and vehicle fires for insurance companies and utility companies
- Provides Fire Risk Assessment and Mitigation Plans for homeowner associations
- Provides Fire Risk Assessments for insurance companies
- Assist fire agencies with wildland fire cause and origin fire mapping, fire modeling and fire risk assessments
- Review of Natural Disaster Protection Plans and Wildland Risk Reductions Plans developed by utility companies.
- Review and draft data requests for public utility filings for Natural Disaster Mitigation Plans and Wildland Risk Reductions Plans

NV Energy, Las Vegas, NV **September 2019 – November 2024**
Fire Mitigation Specialist / Fire Chief

- Provides leadership and program direction for NV Energy's wildfire mitigation plan and strategy
  - Help Developed and implemented NV Energy's first-ever Natural Disaster Protection Plan (NDPP)
  - Helped ensure NDPP aligned with existing statutes, codes, regulations, and Public Utility Commission (PUC) requirements
  - Expedited project approval through securing master permits from both the United States Forest Service (USFS) and the state of Nevada to maintain energy rights-of-way easements
  - Established NV Energy's first joint-resilient corridor decision memo from the USFS for two different forests
  - Lowered company's fire risk and project costs through Shared Stewardship Agreements and Cost Share Agreements with the USFS
- Maintains relationships with external entities regarding fire management program issues
  - Coordinated NV Energy's short- and long-range fire mitigation strategies across all departments, Department of Agriculture, Bureau of Land Management (BLM), USFS, tribes, fire departments, and other federal and state agencies

- Created company's benchmark for assembling external Expert Working Groups (EWG) involving federal, state, and private agencies to secure essential support and approvals for the NDPP
- Delivered impactful presentations, project tours, and testimonies that demonstrated effectiveness and fostered collaborative support

- Delivers wildland fire safety training for first responders, fire investigators, and employees of NV Energy
  - Trained company, contractors, and external partners on how to plan major projects, safety mitigation, fire codes, regulation compliance, professional agency liaisons, and emergency services in the permitting arena
- Overseen ground vegetation program, emergency communications, unmanned aircraft systems, budgets, and the implementation of partner agreements
  - Secured alternative funding from state and federal grants in addition to other funding programs to off-set costs and enhance resource allocation of the vegetation program
  - Testified and provided testimony in NDPP PUCN Dockets 20-02031, 20-02032, 21-03004, 22-03006, 20-03040, 22-08001 and 23-03003

North Lake Tahoe Fire Protection District, Incline Village, NV **February 2012 – September 2019**

Fire Marshall / Division Chief

- Enforced the 2018 International Fire Code(ICC Fire Code), 2018 International Wildland-Urban Interface Code, NFPA Standards and Nevada State Laws pertaining to fire codes
  - Conducted all plan reviews of buildings, fire alarm systems, fire sprinkler systems, kitchen hood systems, clean agent room systems, water supply systems, stages and temporary buildings or tents
  - Conducted inspections of public and private buildings for compliance and conducted inspections of public assemblies
  - Led negotiations with contractors and designers on issues relating to life safety and fire protection and evaluated alternative means and methods for construction
  - Conducted all fire investigations from determining the fire origin to prosecution of arsonist
- Managed department's $17.1 million spending plan
  - Responsible for the financial stability of the department and met budget restraints during a $7.8 million tax revolt
  - Implemented the new technology, Emergency Reporting System (ERS) used for inspections, permits, plan reviews, pre-plans, vehicle maintenance and defensible space
- Served as Operational Division Chief
  - Supervised 5 subordinate employees of the fire prevention/fuels management bureau, as well as 14 station personnel and 2 office staff
  - Conducted all daily station operations, emergency medical response, fire response, haz-mat, water rescue, back-country rescue and all other emergency incidences
  - Provided educational information to the public on fire and life safety as well as training to fire district personnel
  - Served as the Incident Safety Officer, meeting all applicable standards and policies concerning all Risk Fire Suppression, OSHA regulations and NFPA standards
- Maintained a constant rapport with our community, our contractors, local media, our Fire Board, our County Commissioners, and our State and National Representatives in order to maintain our excellent relationships while working together
  - Responsible for the planning and implementation of annual evacuation / disaster drills for North Lake Tahoe and Washoe County
  - Responsible for the first ever Bi-State full scale evacuation exercise and safety fair which included resources from Nevada and California; it also included first ever firefighting aircraft flying missions together with an Unmanned Aerial Vehicle (UAV or Drone)
  - Lobbied for the SB329 bill requiring utility companies to have a Natural Disaster Protection Plan and was the fire advisor to the Nevada Public Utility Commission in drafting the regulations for SB329

- Served as a member of the Washoe County EOC & Washoe County Emergency and disaster planning and training committee
    - Reviewed and implemented the county's disaster and emergency plans, negotiated with competing stakeholders, collaborated in creating a Recovery Support Strategy with Departments and Agencies who were responsible for Recovery Support Functions
    - Developed and implemented recovery support strategies, facilitating disaster recovery coordination
    - Supported the Local Disaster Recovery Manager and/or Tribal Disaster Recovery Coordinator
    - Worked closely with state Disaster Recovery Coordinator
    - Worked with the impacted community to establish relevant recovery measures and to incorporate mitigation and resilience-building into recovery plans
- Served as part of State and National Incident Management Teams that responded to emergencies and disasters
    - Gained extensive knowledge and experience with management of emergency, disaster recovery, mitigation, resiliency planning, negotiated with competing stakeholders, and leveraged existing relationships with personnel at the federal, state, tribal and local levels, including the private and nonprofit sectors
- Worked as a member of the legislative committee for the Lake Tahoe Regional Fire Chiefs, the lobbyist for the Northern Nevada Chiefs, and the Prevention Chair for the Lake Tahoe Regional Chiefs
    - Sat on the board for the Northern Nevada Fire Code Committee
    - President for Nevada International Association of Arson Investigators
    - Served on the Emergency Evacuation Team and Emergency Operating Center for Washoe County
    - Led the Joint Information Team for Washoe County
    - Served on the Washoe County Marijuana Code and Enforcement Board and have been newly appointed as a member of the vacation rental code committee

Sierra Fire Protection District, Reno, NV **July 1996 – February 2012**

Fire Prevention / Public Information Officer / Fire Equipment Operator / Firefighter II

- Enforced the International Fire Code, NFPA Standards, International Wildland-Urban Interface Code, Washoe County Chapter 60, International Building Code and all Nevada State Laws pertaining to fire code
    - Worked diligently on the code committee updating Washoe County Chapter 60, updating it to the 2006 International Fire Code and 2009 International Wildland-Urban Interface Code while complying with all Nevada State Laws
- Maintained a constant rapport with our community, our contractors, local media, our Fire Board, our County Commissioners, and our State and National Representatives in order to maintain our excellent relationships while working together
    - Was responsible for the planning and implementation of annual evacuation / disaster drills for Sierra Fire Protection District
- Provided education to the public as a major focus of Sierra Fire Protection District
    - Developed the Saving Lives through Education Program, which met the state standards for education
    - Educated the youth in our schools about fire safety and first aid
    - Developed and implemented the Preparing Residents in Disaster Evacuations (PRIDE) program, which was adopted by Living with Fire, state-wide and utilized in the Monument Fire in Arizona and Salt Fire in Idaho
    - Taught PRIDE program to residents and at Chief and Wildland Conferences
- Successfully conducted the largest evacuation drill ever in the United States in 2008, during which time, over 4,000 residents were evacuated and thirty-three agencies participated
    - Implemented classes on Holiday Safety, House Safety and Defensible Space Classes county-wide
- Served as part of State and National Incident Management Teams that responded to emergencies and disasters
- Served on the Emergency Evacuation Team, Emergency Operating Center for Washoe County, Washoe County Emergency and disaster planning and training committee, and when requested to fill-in as the Emergency Manager
    - Reviewed and implemented the county's disaster and emergency plans, negotiated with competing stakeholders, collaborating in creating a Recovery Support Strategy with Departments and

Agencies who are responsible for Recovery Support Functions, developed and implemented recovery support strategies, facilitating disaster recovery coordination, supported the Local Disaster Recovery Manager and/or Tribal Disaster Recovery Coordinator, & worked closely with state Disaster Recovery Coordinator
    - Worked with the impacted community to establish relevant recovery measures and to incorporate mitigation and resilience-building into recovery plans and implementation
    - Helped generate new concepts and evaluate long range projects as it relates to the National Disaster Recovery Framework
- Developed the wildland defensible space inspection program for Washoe County

APPOINTED POSITIONS HELD

President for Nevada International Association of Arson Investigators	2017-2020
National Incident Management Organization (NIMO), Type I Team Public Information Officer (PIO)	2014-2020
Chair for Lake Tahoe Regional Fire Chiefs Association for Fire Prevention & Arson Investigation	2012-2020
Vice Chair of the Northern Nevada Fire Code Committee	2011-2020
Washoe County Vacation Rental Code Committee Member	2019
Fire Advisor to the Nevada Public Utility Commission	2019
Washoe County Marijuana Code and Enforcement Board	2015-2019
Lobbyist for Northern Nevada Chiefs and Lake Tahoe Regional Chiefs	2013-2019
Terrorist Liaison Officer for Northern Nevada	2013-2019
Budget Committee Member for North Lake Tahoe Fire Protection District	2012-2019
Incident Commander for Presidential, Vice President or other VIP visits in the Washoe County Area	2010-2019
Public Information Officer for Sierra Front Incident Management Team	2010-2019
Public Information Officer for Washoe County Emergency Evacuation Team	2007-2019
President of Lake Tahoe Regional Fire Chiefs	2014-2015
Governor-appointed Advisor to Schools Prepared and Ready Together Across Nevada (SPARTAN)	2011-2014
Insurance Services Office (ISO), North Lake Tahoe Fire Protection District Representative	2013

EDUCATION & TRAINING

NFPA Chief Fire Officer
S-520 Advanced Incident Management
S-420 – Command and General Staff
S-300 Extended Attack Incident Commander
Multi-Hazard Emergency Planning
Command 1A & lB
Hazardous Materials Incident Commander
Incident Safety Officer
OSHA Health and Safety Officer
International Code Counsel Fire Inspector II
International Fire Plans Examiner
Residential Sprinkler Plan Review
Washoe County Management Classes
ICC Inspection of Hood/Duct
FI-210 Wildland Certified
CFI-IAAI
Fire Behavior in a Single-Family Occupancy - National Fire Academy
Inspector for Fire Protection for Commercial Occupancy –National Fire Academy
Interviews & Interrogations

Advanced Fire Investigation
Court Room Certified Fire Investigation Expert
Juvenile Fire setter Intervention Certification
Public Information Officer I
FEMA Incident Command 100, 200, 300, 700, 800
Class A Driver's License
Dozer Boss
Class 3 Faller
Lessons Learned / Fatality Fires
Managing Company Tactical Operations – Decision Making
Managing Company Tactical Operations – Preparation
Health Care Respirator Training Programs
Emergency Vehicle Operations – Train the Trainer
Standards for Survival
L-180 Human Factors in the Wildland
NFPA Aerial Operations
Confined Space Awareness
S-230 Introduction to Incident Information
I-200 Basic ICS
S200 Initial Attack I.C.
S270 Air Operations
S231 Engine Boss
EMT Intermediate
S-211 Portable Pumps
S-290 Intermediate Fire Behavior
Radiological Training for First Responders
Fire Instructor II
Fire Systems Management, Class A & B Foam
Wildland S-130
Wildland I-100
NFPA Firefighter II
Fire Arson Detection & Business Inspection
Fire Officer Development
NFPA Fire Officer I
NFPA Engine Operator
Pump Operations
Haz-Mat Operations and Decontamination
Haz-Mat Awareness

HONORS & AWARDS

Guest Speaker at the EUCI Wildland Preparedness Conference	**2022 & 2023**
Guest Speaker at the Nevada Fire Chief Conference	**2022 & 2023**
Guest Speaker at the International Fire Chief's Summit 2023	
Guest Speaker at the Great Basin Incident Management Team Summit	**2021 & 2022**
Guest Speaker at the 2017 FEMA Region IX Leadership Workshop	**Feb-2017**
Guest Speaker at the Nevada Preparedness Summit	**2017**
Sierra Fire Protection District Employee of the Quarter	**Sept. 2010**
Guest Speaker at National Fire Chiefs Association	**Feb. 2010**
Guest Speaker at Wildland Summit	**October 2009, 2010, 2011, 2017 & 2022**
Sierra Fire Protection District Employee of the Quarter	**April 2009**
Education Appreciation Award – CCSD	**2008**
Sierra Fire Protection District Employee of the Month	**Sept. 2006**
First Place in Auto Extrication for the Western Region – N.D.F.	**1999**
Volunteer of the Year – Carson City Fire Dept.	**1996**

CERTIFICATE OF SERVICE

The undersigned certifies under penalty of perjury under the laws of the State of Nevada that, on the date given below, she caused to be served a copy of the foregoing document upon the following person(s) via electronic mail.

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DATED this 8 April 2025, in Reno, Nevada.

/s/Amanda Sanchez

Amanda Sanchez

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REGAN
TESTIMONY
MR-1 EXHIBITS

Draft

Natural Disaster Protection Plan
Corrective Action Plan

Key Decision Report

Description: NDPP Corrective Action for Implementation
Owners: **Danyale Howard**
Date: July 25, 2024

Description of Key Decision:

This key decision report covers various key decisions that culminate into a series of corrective actions required to successfully implement the NDPP and to align NV Energy with maturity models for Berkshire Hathaway Energy and other utilities having the same or similar wildfire risk.

Decisions for this KDR are listed here.

- Formal prioritization of wildfire programs and protocols among other non-discretionary company initiatives.
- Resource needs for oversight and management of day-to-day NDPP implementation
- Procedure documentation and training for each incremental program to ensure repeatable outputs, training and performance accountability.
- Global policy related to fire safety.
- Develop a "one mission" culture companywide that supports engagements and encourages continuous improvement
- Create a governance framework to ensure adherence to NDPP deliverables
- Central repository for fire safety policies, criteria/procedures, recurring review and training standards.
- Acclimate NDPP processes into core business
- Ensure NV Energy's on-going maturity of fire safety practices and culture align with industry maturity models for utilities having same or similar risk profile.
- Utilize technology to identify root causes of actual fire incidents and predictive analysis to mitigate future occurrences
- Utilize remote sensing and satellite technology to optimize vegetation management resources, including use of AI for predicting growth schedules and prioritization.

Recommendations:

This report makes the following recommendations:

1. Adopt this corrective action plan including the organizational, resource and technology plan
2. Recruit resources timely to meet 2025 fire season readiness
3. Utilize the forecasted NDPP budget underspend to offset the estimated cost of resources and technology.

Purpose:

- Objectives of the corrective action plan target:
    - Increase public safety for customers, communities and more broadly, Nevada
    - Ensure swift and professional-level emergency response to natural disasters
    - Minimize potential of a utility caused natural disaster
    - Minimize financial risk associated to liability claims
    - Increase regulatory confidence
    - Maximize potential for full recovery of investments
- Anticipated benefits of the corrective action plan:
    - Creates a "one mission" culture through the establishment of a core team that develops and administers global fire safety policies, procedures, and training, including compliance.
    - Identifies which NDPP processes and/or employees transition into the regular business units.
    - Determines business unit readiness to execute fire mitigation processes at a consistent level of quality with repeatable predictability.
    - Matures NV Energy's approach to wildfire risk mitigation
    - Memorializes rationale for decision making and criteria for fire safety protocols
    - Provides adequate oversite and management of the contract and employee workforce executing NDPP elements
    - Establishes a seasonal cadence of fire safety milestones that are predictable, trainable, and measurable.
    - Establishes frontline leadership for each discipline of fire mitigation
    - Establishes leadership responsible for developing SME teams to execute according to the "one mission" message and cascades that message into mainstream business units.
    - Establishes SME teams that liaison externally to collaborate and further develop industry practices associated to wildfire risk and response to natural disasters.

Background: History of NV Energy's Electric System

NV Energy's northern service territory, Sierra Pacific Power ("SPPC"), is comprised of several mergers of multiple utility companies dating back to the gold rush of the 1850's. NV Energy's southern service territory, Nevada Power Company ("NPC") was formed in 1906. Today, NV Energy's combined service territories span approximately 45,000 miles consisting of more than 30,000-line miles of electric transmission and distribution. The line miles of the overhead and underground system are almost split equally at approximately 15,000-line miles each.

Much of NV Energy's overhead system is aged with no current formal program for replacement. Historically, electric system maintenance protocols were driven by reliability performance because until more recently, catastrophic wildfires were not a prevailing risk and did not occur at the magnitude or frequency they do today. The Company lacked formal maintenance programs except for those programs required by NERC/FERC WECC and for gas. Today, inspection for wildfire detection is an industry best practice. Most other western utilities now manage formal inspection programs for 100% of their overhead systems.

The NDPP program, by its design, creation, and adjudication through the regulatory process is limited to a small geographic footprint, and as such, hinders the consolidated integration into larger transmission and distribution operations.

The NDPP addresses 9% of the overhead system and increases to 22% with the addition of Tier 1, which was added to the NDPP 2024 with a limited scope of cyclical maintenance activities. Situational awareness is limited in Tier 1 and beyond the fire tiers. Tier 3, the highest risk fire tier, represents 1% or 321 miles of NV Energy's total overhead line miles.

Overall, the NDPP addresses approximately 4,000-line miles. Non-tier areas represent almost 11,000 overhead line miles. Significant wildfire risk exists outside the defined geographic areas of the NDPP, especially areas where aged infrastructure exists. Typically, rural areas host much of the aged equipment, some dating back to the early to mid-1900's. Typical line construction for rural areas include long overhead spans of bare wire and traditional expulsion fuses.

Figure 1 shows the 2024 NDPP asset inventory of transmission and primary distribution line miles.

Fig. 1 2024 NV Energy Electric Line Miles

2024 NDPP Asset Inventory Nevada Power and Sierra Pacific					
	Overhead System	Overhead Bare Primary Line Miles	Overhead Covered Primary Line Miles	Primary Underground Line Miles	% of Total System
Tier 3	NPC Transmission	0	0	0	0.00%
	NPC Distribution	16.00	0	3	0.06%
	SPPC Transmission	25.89	0	0	0.08%
	SPPC Distribution	165.04	5.12	105.41	0.89%
	Total	206.93	5.12	108.41	1.04%
Tier 2	NPC Transmission	0	0	0	0.00%
	NPC Distribution	0	0	0	0.00%
	SPPC Transmission	113.34	0	0	0.37%
	SPPC Distribution	317.51	2.08	295.52	1.99%
	Total	430.85	2.08	295.52	2.36%
Tier 1E	NPC Transmission	0	0	0	0.00%
	NPC Distribution	0	0	0	0.00%
	SPPC Transmission	245.06	0	11.14	0.83%
	SPPC Distribution	1084.17	2.25	338.75	4.62%
	Total	1,329.23	2.25	349.89	5.45%
Tier 1	NPC Transmission	188.00	0	0	0.61%
	NPC Distribution	90.00	0	1339.00	4.63%
	SPPC Transmission	839.22	0	2.55	2.73%
	SPPC Distribution	1101.84	0.12	560.38	5.39%
	Total	2,219.06	0.12	1,901.93	13.36%
Non-Tier	NPC Transmission	2019.69	0	14.66	6.60%
	NPC Distribution	1619.46	0	11275.41	41.82%
	SPPC Transmission	3201.77	0	11.94	10.42%
	SPPC Distribution	3977.78	0	1863.29	18.94%
	Total	10,818.70	0.00	13,165.30	77.78%
System Total	NPC Transmission	2208.10	0	14.66	7.21%
	NPC Distribution	1725.18	0	12617.41	46.51%
	SPPC Transmission	4425.28	0	25.63	14.43%
	SPPC Distribution	6646.34	9.57	3163.34	31.84%
	Total	15,004.90	9.57	15,821.04	100.00%

Background: History of the NDPP

The NDPP was initiated during 2019 in response to the catastrophic fires occurring in neighboring states. Associated with the inaugural NDPP were some 26 programs of varying size and complexity that in total require significant people and equipment resources to stand-up, execute and maintain the program effectively.

While much effort was put forth on identifying the financial resources required for these programs and incorporating them into NV Energy's 10-year plan, relatively little effort has been put forth on identifying the people and other resources required for these programs or the impact they have on regular business.

The funding estimate of the original 2020-2023 plan budget was decreased by almost $100 million by the time it received final approval. Although the budget was decreased, the program scope remained relatively unchanged. Additionally, the cashflow that was laid out in the plan did not reflect a typical workstream for the planned work much less accommodate the arduous task of standing-up and acclimating new industry practices into a historically reliability based cultural mindset.

The NDPP was initiated with a very small team comprised mostly of displaced employees having little to no direct experience with the work recommended in the plan. Most of the NDPP programs represent a significant and additional workload that was not in NV Energy's plans prior to creation of the NDPP. The execution of the plan was assumed to be delivered by the regular business units. However, at the same time, commencing in 2020 the Companies endeavored to constrain backfilling of vacant positions. The Companies have added some employees since that time and have also initiated several large initiatives including NDPP. Considering historical resource and performance levels, it can be assumed that any one the major new initiatives would challenge the existing workforce. NDPP work adds an additional layer to complexity because the work itself is new to the industry and incremental to the Companies regular business, meaning that in most areas, there is little to no institutional knowledge. Additionally, initiatives continue to compete with current economic growth resulting in new connections occurring across Nevada. All things considered, the head count within Electric Delivery, where NDPP resides, had been relatively flat from 2019 to 2024, resulting in business units, including NDPP, to prioritize positions and work largely within existing headcounts.

The NDPP was initiated during the COVID-19 pandemic of 2020. A large-scale campaign was launched to execute on maintenance activities such as vegetation management and circuit patrols, inspections and corrections in the highest fire risk areas and on the worst performing circuits for

Nevada Power. Maintenance activities are typically considered short-cycle work that don't require the extensive pre-requisites that the larger scale more permanent mitigation programs require. During 2020 and beyond, contract resources continued to ramp up because they are easily obtained. A significant amount of work was accomplished through electric Lines and tree trimming contracts and agreements made with local fire agencies.

The initiatives requiring more specialized resources such as standards engineering, design, system control operators and lines resources for system hardening for example, were largely left unaddressed because the plan lacked a logistical element to address organization and creation of processes, including business unit support through written policy and training to both prioritize and acclimate the incremental work into core company business. For this reason and combined with the COVID-19 pandemic, the small NDPP team struggled to successfully execute on the significant pre-requisites required to stand-up more complex projects and programs.

During 2022 and 2023, a new trend of catastrophic wildfires occurred across northern America and beyond. These mega-fires occurred in areas not previously identified as high risk (e.g. Canada, Hawaii, Texas and Colorado), reinforcing that identification and prioritization of wildfire risk is still somewhat elusive. For NV Energy, wildfires continued to occur in the non-fire tier areas. In response, the Companies placed significant focus on situational awareness and emergency response efforts. New resources and technology were approved for meteorology, fire mitigation, data science and advanced technology.

Since the inception of the NDPP, the Companies have actively participated with other utilities to keep apprised of the quickly evolving fire mitigation efforts that have changed in their weighting of prioritization and synchronicity to each other. This evolution of combining sort cycle maintenance, longer term ruggedization and operational protocols continues to improve the utilities perspective of wildfire mitigation.

As execution of the plan continues and learnings are gained, the contract workforce has outpaced the number of internal resources skilled or available to manage them from a field and/or administrative perspective. Additionally, technology has advanced significantly to address the various intricacies of the incremental work. Outside of situational awareness, the Companies have not accessed these technologies that are designed to gain efficiency and effectiveness from both a mitigation effectiveness and cost efficiency standpoint.

This KDR represents an assessment of plan implementation to identify gaps and make recommendation for improvements needed for both baseline implementation as well as logistical elements needed to create the cultural and functional changes necessary to adopt fire mitigation processes into core business.

Problem Statement

NV Energy operates a critical electrical power grid infrastructure, and ensuring its resilience and safety is paramount, especially in regions prone to wildfire. The inaugural NDPP was developed quickly to meet an urgent need to proactively address Nevada's risk of wildfire and other natural disasters. Some challenges associated with the implementation of the NDPP were seen throughout most programs. This KDR addresses the most signification challenges that are not perceived to be purely developmental in nature.

Additionally, regulatory scrutiny and feedback from stakeholders prompts a closer look at NDPP programs, specifically noting areas of concern such as processes associated to fire agency contracts. For those issues, the Companies are establishing improved processes, noting gaps where personnel resources and/or technology resolves issues and creates efficiencies.

Corrective Action by Initiative:

The following are key take-aways from assessment of NDPP initiatives and the recommendations for resolution to priority issues noted.

Governance, Policy, Procedure, Training and Reporting

1. *Issue* - Overall, the Companies are lacking in policy and global prioritization of fire safety as a non-discretionary activity. Global policy, procedure documentation and training are needed for consistent application by the NDPP team to develop as subject matter experts. Refinement and finalization of procedures is needed to acclimate processes into general business. Recurring review is needed to ensure repeatable and measurable outputs. Policies require annual review, update and distribution and training to keep pace with industry practices that are evolving quickly.

   Recommendation - Contract two full-time technical writers to work with (proposed) front line leaders for each NDPP discipline to formalize internal documentation in a standard format for distribution, training and reference for the general business. As part of policy and procedure development, consideration will be made to identify applicable equipment, resources, and training. Where identified, job aids and/or training is needed.

2. *Issue* - No central location or single document exists that includes NDPP required practices, deliverables or processes. The NDPP has been developed primarily for external filing purposes and practices are largely verbal or live in disparate documents. General business units are unable to easily access detailed information applicable to specific initiatives, principles and rationale, required actions, training, and/or quality assurance measures.

Recommendation - The Companies are evaluating the use of AssurX to house the proposed inventory of policy and process documentation and will consider developing a single internal document that contains references to the most current internal and external sources for continued NDPP implementation and/or continued practices for reference in core general business. AssureX capability categorizes policies, including links to applicable trainings and literature related to a given policy. Further, AssureX provides a calendar feature to set required annual review of policies, tracks version updates and required training.

3. *Issue* – the Companies lack standardized reporting for NDPP initiatives and/or an ability to efficiently compile. Generating NDPP reports is critically inefficient. Most of the progress for NDPP initiatives by unit measure and Plan performance is tracked in disparate excel workbooks by individual project managers and contractors. A critical need exists to mine data, create standardized scripts and scheduled reports for various internal and external stakeholders at all levels.

   Recommendation - The Companies will create a front-line Compliance leader for managing project documentation, and the development and delivery of standardized internal and external reports. The Companies should consider adding back, a Sr. Operations Analyst for mining data, report creation and to provide support to project management and overall Plan implantation related to data needs. The inaugural NDPP team included a Sr. Operations Analyst that self-terminated during 2022. Head count constraints caused the Sr. Operations Analyst position to be re-classified to a Sr. Construction Management Lead to meet an immediate and urgent need for system hardening field execution. The Companies attempted to absorb the Sr. Operations Analyst function in Electric Delivery to no avail. After a constant transition of employees and de-prioritization of NDPP needs, the NDPP enlisted a third-party contractor to perform this function, but efforts were limited at best, due to the lack of knowledge and experience third-party contractors have for company-specific organization and process flows.

Vegetation Management

Hazardous Ground Fuels Management –

Issue – New processes for hazardous ground fuels identifies gaps in field and administrative oversight needed to plan, manage, assign and validate ground fuels work as well as perform invoice review of charges. Total vegetation management activity has increased by 10x since 2019, with administrative and field oversite only growing less than 2x

The vegetation management, ground fuels program received significant regulatory scrutiny over the past two years and was the subject of the Commissions directive to perform an internal audit of transactions associated to the program.

Quality assurance issues were identified in completed field work and invoice review, payments and contract processing.

Part time contractors are used to supplement resource limitations. In some cases, part time contractors work beyond contractual insurance and indemnification limits to use company heavy machinery and equipment.

Long standing resource constraints challenge the vegetation management tree trimming program. Narrow focus on performing ariel clearing of the ROW in the high fire risk areas has now left populated non-tier areas lagging.

Recommendation –Ground fuels management would benefit from coordinating or merging with arial tree trimming to gain synergies, and allocated fire mitigation resources, who currently perform this function to a different critical need which is fire post- and predictive analysis and the development and facilitation of field operations training related to performing work during high fire risk times and pursuant to WUI and other code and jurisdictional requirements.

Issue – the companies lack the use of technology to evaluate and prioritize vegetation management and ground fuel mitigation work. Today, the Companies processes are extremely manual in nature, requiring truck rolls for patrol and schedule planning.

Recommendation – the Companies would benefit from evaluation of technology specifically designed for vegetation management, including predictive growth cycles, and ability to take pictures remotely. The Companies evaluated the use of AiDash for a pilot project to better understand the technology for use in a future RFP for competitive bid for services.

ack of funding to maintain vegetation management standards both within the HRAs and larger service territories may result in increased risks of disruption in areas outside the HRAs. Inability

to scale the vegetation management workforce for seasonal needs may result in failure to achieve desired or planned vegetation management outcomes.

The Companies will evaluate resources needed to execute vegetation management activities, including field and administrative oversite required to ensure field execution, invoice processing and quality assurance inspections are met. Resources requirements will be evaluated through a Key Decision Report.

Management at NV Energy should consider leveraging the FieldNote application to track QA audits of completed work orders.

Fire Incident Analysis

Issue - A formal process for analysis to identify root causes and trends could support NDPP program-level decision-making, prioritization, and planning. The Companies currently track fires using an excel database and are unable to use actual events to predict future occurrence or analyze root causes for trends.

Recommendation – the Companies collaborated with AltaLink to develop processes for analysis of fire events in accordance with predefined criteria and review to track root causes, establish fire classifications and ensure different levels of analysis. AltaLink and NV Energy collaborated with PacifiCorp to leverage PacifiCorp's work with Palantir Foundry to track, analyze and report actual fire events. Further, Palantir Foundry satisfies an additional gap identified in customer communication for the purpose of PSOM and de-energization.

System Hardening

Design, Engineering and Construction

Lack of standards engineering support early in the program resulted in incomplete design and construction standards for use with covered conductor installation. A recent failure in installed covered conductor resulted in a complete suspension of the covered conductor program pending a full investigation. Issues were determined to be largely attributable to installation methods and at least one reel of wire was found to have material irregularities.

Covered conductor standards, training and tooling selection that was determined to be a major contributor of the issues, was evaluated and enhanced. Ten miles of covered conductor was installed prior to the improvement of standards and training.

Design

During 2020, five of the eleven internal design resources were approved to perform NDPP design for system hardening. Dedicated resources remained within the regular business unit and by 2021 were re-assigned from NDPP to new business, leaving NDPP without design resources, jeopardizing capital system hardening milestones.

NDPP attempted to on-board and train entry level contractors but was unsuccessful not having a dedicated resource to perform training/mentoring. By 2023, NDPP converted an Operations Analyst position (responsible for NDPP reporting) to a Sr. UDA. The single UDA has onboarded and trained two external contractors to create $48m worth of system hardening design. As a comparator of workload, the entire Northen Nevada Distribution Design department performs, on average $35m worth of new business design supported by more than 50 full time resources and external contractors. NDPP will need to produce more than $100m in capital system hardening design to meet current Plan targets.

Construction

Internal t-man and/or inspector oversee third-party contractors performing Lines construction for system hardening and corrections. NDPP typically employes approximately 19 crews to perform system hardening work across Nevada. As a comparator, these are more crew resources than all of Northern Nevada electric internal lines operations combined. Electric lines struggle to maintain

adequate resources required to perform planned outages, switching and field oversite of third-party NDPP lines crews. This resource issues are responsible, in part, for the oversite issue discovered with covered conductor installations that failed.

Grid Operations and Fire Season Protocols

1. *Issue* - NV Energy does not have formalized operating procedures governing periods of elevated fire risk or that relate to forecasted weather conditions.

   Recommendation - NV Energy Management is currently in the process of developing formal procedures and once completed will be shared with control center operators. This will be in the form of procedure 4910 which is undergoing revision in 2023.

2. *Issue* - Operators at NV Energy do not use real-time weather data in their decision-making process.
   Operators use the daily fire hazard report as real-time data as well as supplementary publicly available data. However, the current SOPs do not describe how weather station or camera data are used.

   Recommendation - Access to the real-time data has been provided to the operations team and will be incorporated into SOPs.

3. *Issue* - NV Energy lacks a formal method of communicating situational awareness to control center operators. The information is communicated through informal channels and only when certain red flag warnings are in place. At least one person interviewed indicated that emails via distribution list would be a significant improvement.

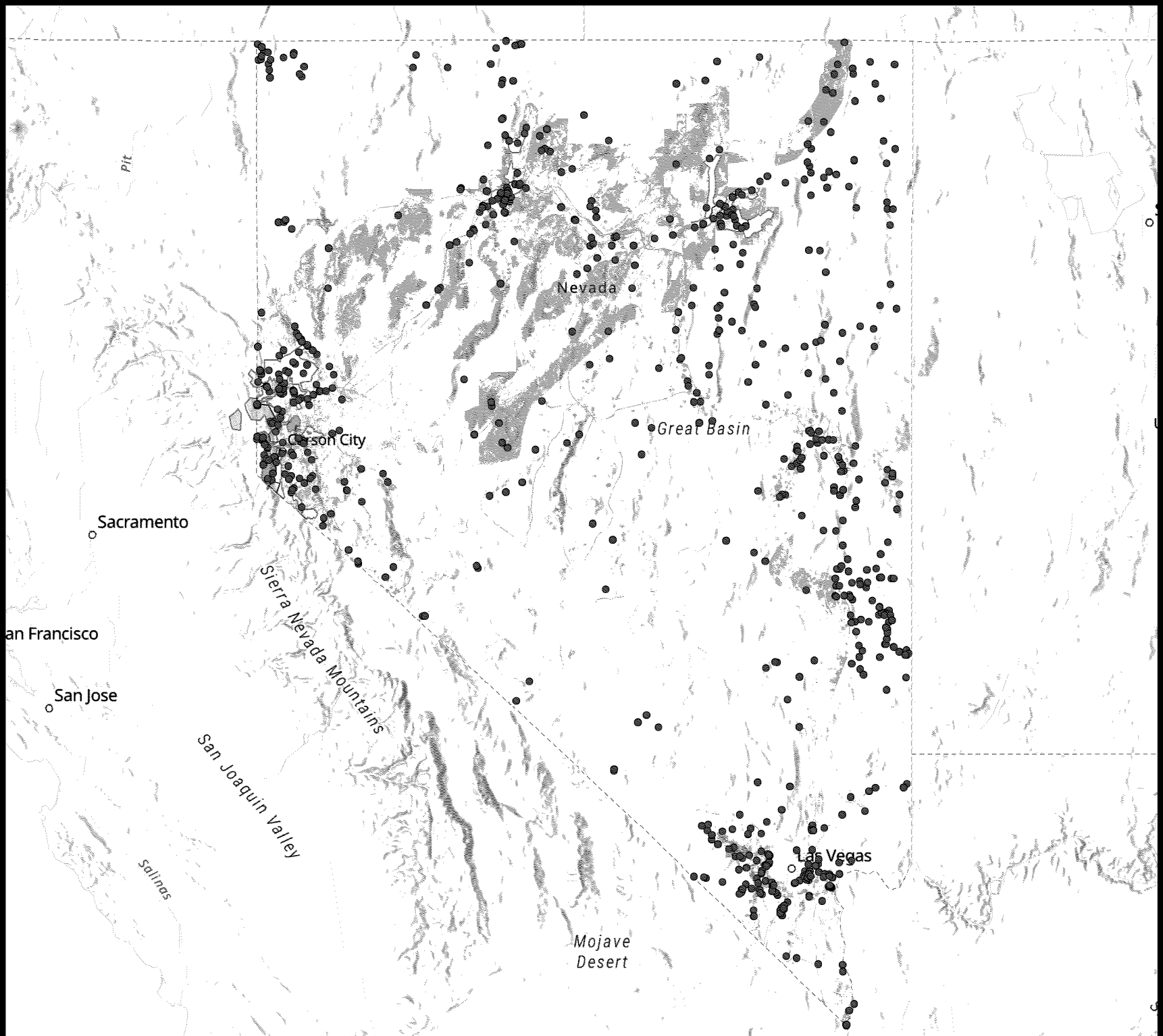
   Recommendation – This communication improvement is in progress.

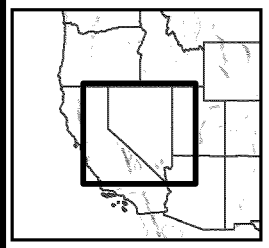
4. *Issue* – the Companies evaluated its fire season training program to include an automated component in LMS for basic/refresher trainings and dedicate additional resources to provide enhanced trainings on fire safety and situational awareness in the field.

   Recommendation – This improvement is in progress. New FMOs have reviewed all written testimony, code and ordinances, including WUI, to identify requirements for field operations conducted during high fire risk days.

5. *Issue* – The Companies lack resources to review, coordinate and execute on planned outages for NDPP. This has resulted in missed outages, even after customers have been notified. Work associated to rescheduled outages has resulted in change orders and remobilization of contractors to different job sites.

Recommendation – Additional resources are needed in system control to manage NDPP work and ensure planned work can commence as scheduled.





LEGEND

- WFIGS 2024 Fire Incident
- Tier 1
- Tier 1E
- Tier 2
- Tier 3

N 0 30 60 Miles

Prepared By: GIS and Mapping
Created By: Emma Davis
Created In: March 2025
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NVEnergy

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0.1	NVSFC	<Null>	Human	6/25/2024	6/28/2024
0.1	NVEIC	<Null>	Human	6/25/2024	6/25/2024
0.75	NVCNC	<Null>	Human	6/25/2024	7/2/2024
0.1	NVSFC	<Null>	Natural	6/25/2024	6/30/2024
0.5	NVSFC	<Null>	Natural	6/25/2024	7/4/2024
0.1	NVEIC	<Null>	Natural	6/26/2024	6/26/2024
0.1	NVEIC	<Null>	Undetermined	6/26/2024	7/3/2024
2	NVEIC	<Null>	Natural	6/26/2024	6/28/2024
0.1	NVLIC	<Null>	Human	6/26/2024	6/29/2024

0.04	NVCNC	<Null>	Natural	6/26/2024	7/5/2024
0.16	NVSFC	<Null>	Natural	6/26/2024	6/30/2024
0.1	NVECC	<Null>	Natural	6/26/2024	7/4/2024
0.1	NVECC	<Null>	Natural	6/26/2024	7/4/2024
1262.16	ORLFC	<Null>	Undetermined	6/26/2024	7/8/2024
0.01	CASIFC	<Null>	Undetermined	6/26/2024	<Null>
0.1	NVSFC	<Null>	Natural	6/26/2024	6/26/2024
38.2	NVEIC	<Null>	Natural	6/26/2024	7/11/2024
1	NVECC	<Null>	Natural	6/26/2024	7/4/2024
0.1	NVECC	<Null>	Natural	6/26/2024	7/4/2024
2160	CAOVCC	<Null>	Undetermined	6/26/2024	<Null>
0.1	NVSFC	<Null>	Natural	6/26/2024	6/27/2024
0.1	NVLIC	<Null>	Human	6/27/2024	7/1/2024
1	NVLIC	<Null>	Human	6/27/2024	6/27/2024
5.34	NVCNC	<Null>	Human	6/27/2024	7/8/2024
0.1	NVECC	<Null>	Natural	6/26/2024	6/27/2024
0.1	NVECC	<Null>	Natural	6/26/2024	6/27/2024
0.1	NVECC	<Null>	Natural	6/26/2024	6/27/2024
0.26	NVCNC	<Null>	Human	6/27/2024	7/8/2024
0.1	NVECC	<Null>	Natural	6/27/2024	7/4/2024
0.1	NVECC	<Null>	Natural	6/27/2024	7/4/2024
26	NVLIC	<Null>	Human	6/27/2024	7/11/2024
1.3	NVSFC	<Null>	Human	6/27/2024	7/4/2024
0.1	NVCNC	<Null>	Natural	6/27/2024	7/8/2024
0.01	NVSFC	<Null>	Natural	6/27/2024	7/2/2024
216.15	NVEIC	<Null>	Natural	6/27/2024	7/20/2024
0.5	NVECC	<Null>	Natural	6/27/2024	7/4/2024
0.1	NVLIC	<Null>	Human	6/27/2024	6/28/2024
0.1	NVECC	<Null>	Natural	6/27/2024	7/4/2024
0.1	NVCNC	<Null>	Natural	6/27/2024	7/8/2024
0.1	NVCNC	<Null>	Natural	6/27/2024	7/9/2024
0.1	NVECC	<Null>	Natural	6/27/2024	7/4/2024
0.01	NVSFC	<Null>	Human	6/28/2024	7/4/2024
14.56	NVEIC	<Null>	Human	6/28/2024	7/3/2024
0.1	NVECC	<Null>	Natural	6/28/2024	7/4/2024
0.1	NVCNC	<Null>	Natural	6/28/2024	7/10/2024
0.1	NVCNC	<Null>	Natural	6/25/2024	6/29/2024
13.5	NVEIC	<Null>	Human	6/29/2024	7/19/2024
0.1	NVECC	<Null>	Human	6/29/2024	7/4/2024
0.31	NVCNC	<Null>	Natural	7/1/2024	7/5/2024
0.1	NVCNC	<Null>	Natural	7/1/2024	7/11/2024
0.1	NVLIC	<Null>	Human	7/1/2024	7/22/2024
0.1	NVSFC	<Null>	Human	7/1/2024	7/4/2024
0.1	NVECC	<Null>	Natural	6/27/2024	7/1/2024

0.1	NVEIC	<Null>	Human	7/1/2024	7/2/2024
24.2	NVCNC	<Null>	Human	7/2/2024	7/13/2024
10.5	NVSFC	<Null>	Undetermined	2/6/2024	5/2/2024
0.25	NVEIC	<Null>	Human	7/3/2024	7/14/2024
0.5	NVLIC	<Null>	Human	7/3/2024	7/5/2024
0.1	NVSFC	<Null>	Undetermined	7/4/2024	7/21/2024
0.1	NVCNC	<Null>	Human	7/4/2024	7/14/2024
0.1	NVLIC	<Null>	Human	7/4/2024	7/7/2024
0.31	NVCNC	<Null>	Human	7/4/2024	7/15/2024
3.17	NVLIC	<Null>	Human	7/4/2024	7/6/2024
0.1	NVEIC	<Null>	Human	7/4/2024	7/4/2024
0.1	NVLIC	<Null>	Human	7/4/2024	7/7/2024
0.2	NVLIC	<Null>	Human	7/4/2024	7/5/2024
0.1	NVCNC	<Null>	Human	7/4/2024	7/13/2024
14.5	NVSFC	<Null>	Human	7/4/2024	7/7/2024
0.1	NVEIC	<Null>	Human	7/4/2024	7/5/2024
0.75	NVCNC	<Null>	Human	7/5/2024	7/15/2024
0.1	NVSFC	<Null>	Human	7/5/2024	7/7/2024
0.1	NVCNC	<Null>	Human	7/5/2024	7/17/2024
0.1	NVLIC	<Null>	Human	7/5/2024	7/5/2024
0.1	NVECC	<Null>	Human	7/5/2024	7/12/2024
0.25	NVLIC	<Null>	Human	7/5/2024	7/5/2024
0.1	NVLIC	<Null>	Human	7/5/2024	7/5/2024
1	AZPDC	<Null>	Human	7/5/2024	8/17/2024
0.1	NVLIC	<Null>	Human	7/5/2024	7/5/2024
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0.15	AZPDC	<Null>	Human	7/5/2024	7/15/2024
1.582	NVCNC	<Null>	Human	7/5/2024	7/16/2024
0.1	NVLIC	<Null>	Human	7/5/2024	7/5/2024
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14	NVSFC	<Null>	Human	7/5/2024	7/6/2024
1.22	NVLIC	<Null>	Human	7/5/2024	7/6/2024

0.1	NVCNC	<Null>	Human	7/5/2024	7/16/2024
0.1	NVCNC	<Null>	Human	7/5/2024	7/16/2024
0.1	NVCNC	<Null>	Undetermined	7/5/2024	7/16/2024
0.1	NVECC	<Null>	Natural	7/5/2024	7/12/2024
0.1	NVCNC	<Null>	Human	7/5/2024	7/16/2024
0.1	NVCNC	<Null>	Human	7/5/2024	7/16/2024
0.1	NVSFC	<Null>	Human	7/5/2024	7/7/2024
0.1	NVSFC	<Null>	Human	7/5/2024	7/7/2024
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0.1	NVCNC	<Null>	Human	7/5/2024	7/15/2024
3.4	NVSFC	<Null>	Human	7/6/2024	7/6/2024
0.1	NVSFC	<Null>	Human	7/6/2024	7/6/2024
0.1	NVSFC	<Null>	Human	7/6/2024	7/7/2024
0.1	NVSFC	<Null>	Human	7/6/2024	7/7/2024
0.1	NVECC	<Null>	Human	7/6/2024	7/12/2024
0.25	NVSFC	<Null>	Human	7/6/2024	7/6/2024
17277.76	NVCNC	<Null>	Human	7/7/2024	7/25/2024
0.1	NVSFC	<Null>	Human	7/7/2024	7/7/2024
0.27	NVCNC	<Null>	Human	7/7/2024	7/16/2024
1100	NVECC	<Null>	Human	7/7/2024	8/16/2024
104	NVCNC	<Null>	Natural	7/8/2024	7/23/2024
0.66	NVCNC	<Null>	Human	7/8/2024	7/19/2024
0.1	NVSFC	<Null>	Natural	7/8/2024	7/10/2024
0.1	NVCNC	<Null>	Human	7/8/2024	7/18/2024
0.94	NVCNC	<Null>	Human	7/9/2024	7/20/2024
0.1	NVSFC	<Null>	Human	7/9/2024	7/14/2024
0.01	CAGVCC	0.01	Undetermined	7/9/2024	<Null>
0.01	CACICC	0.01	Undetermined	7/9/2024	7/11/2024
0.1	NVSFC	<Null>	Human	7/10/2024	7/14/2024
25	NVEIC	<Null>	Human	7/10/2024	7/20/2024
15.766	NVCNC	<Null>	Human	7/11/2024	7/19/2024
0.1	NVSFC	<Null>	Undetermined	7/11/2024	7/14/2024
3	NVEIC	<Null>	Human	7/5/2024	7/5/2024
1	NVEIC	<Null>	Human	7/12/2024	7/19/2024
0.1	NVEIC	<Null>	Human	7/12/2024	7/13/2024
9.582	NVCNC	<Null>	Human	7/12/2024	7/23/2024
1.77	NVSFC	<Null>	Natural	7/13/2024	7/14/2024
6.8	NVSFC	<Null>	Natural	7/13/2024	7/18/2024
8	NVECC	<Null>	Natural	7/13/2024	7/25/2024
3.914	NVCNC	<Null>	Human	7/13/2024	7/24/2024
2.4	NVECC	<Null>	Undetermined	7/13/2024	7/25/2024
0.1	NVEIC	<Null>	Natural	7/13/2024	7/20/2024

0.1	NVLIC	<Null>	Natural	7/14/2024	7/14/2024
0.25	NVSFC	<Null>	Natural	7/13/2024	7/18/2024
0.1	NVECC	<Null>	Natural	7/13/2024	7/25/2024
1	NVSFC	<Null>	Natural	7/13/2024	7/18/2024
0.1	NVECC	<Null>	Natural	7/13/2024	7/25/2024
0.1	NVECC	<Null>	Natural	7/13/2024	7/13/2024
0.1	NVLIC	<Null>	Natural	7/14/2024	7/14/2024
0.1	NVLIC	<Null>	Natural	7/14/2024	7/18/2024
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0.75	NVSFC	<Null>	Natural	7/14/2024	7/18/2024
0.1	NVLIC	<Null>	Natural	7/14/2024	8/26/2024
0.1	NVEIC	<Null>	Human	7/14/2024	7/20/2024
0.1	NVCNC	<Null>	Natural	7/14/2024	8/2/2024
40.8	NVSFC	<Null>	Natural	7/15/2024	8/5/2024
173	NVEIC	<Null>	Natural	7/15/2024	7/29/2024
0.1	NVECC	<Null>	Natural	7/14/2024	7/15/2024
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3.289	NVCNC	<Null>	Human	7/16/2024	7/27/2024
1.5	NVLIC	<Null>	Natural	7/16/2024	7/25/2024
229	NVSFC	<Null>	Human	7/16/2024	7/19/2024
0.5	NVEIC	<Null>	Natural	7/17/2024	7/20/2024
0.1	NVCNC	<Null>	Natural	7/16/2024	7/17/2024
0.1	NVCNC	<Null>	Human	7/17/2024	7/28/2024
0.01	CASIFC	<Null>	Undetermined	7/17/2024	<Null>
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0.1	NVCNC	<Null>	Natural	7/17/2024	8/2/2024
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1.5	CASIFC	1.5	Undetermined	7/17/2024	<Null>
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0.656	NVCNC	<Null>	Human	7/17/2024	7/28/2024
0.1	NVEIC	<Null>	Human	7/17/2024	7/18/2024
0.1	NVECC	<Null>	Natural	7/17/2024	7/25/2024
0.1	NVSFC	<Null>	Human	7/17/2024	7/21/2024
0.25	NVECC	<Null>	Natural	7/17/2024	7/25/2024
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0.1	ORLFC	<Null>	Natural	7/17/2024	7/23/2024
1	NVECC	<Null>	Natural	7/18/2024	7/25/2024
0.1	NVECC	<Null>	Natural	7/18/2024	7/21/2024
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0.1	NVECC	<Null>	Natural	7/19/2024	7/25/2024
0.52	NVEIC	<Null>	Natural	7/19/2024	7/29/2024
3	NVSFC	<Null>	Human	7/20/2024	7/20/2024
0.1	NVEIC	<Null>	Natural	7/19/2024	7/20/2024
2.11	NVLIC	<Null>	Natural	7/19/2024	8/5/2024
1.8	NVECC	<Null>	Natural	7/20/2024	7/27/2024
23.5	NVLIC	<Null>	Natural	7/20/2024	7/29/2024
0.1	NVECC	<Null>	Natural	7/17/2024	7/21/2024
0.1	NVECC	<Null>	Natural	7/17/2024	7/21/2024
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0.2	NVECC	<Null>	Natural	7/20/2024	7/27/2024
0.22	NVEIC	<Null>	Human	7/21/2024	7/24/2024
0.1	NVECC	<Null>	Natural	7/21/2024	7/27/2024
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0.1	CASIFC	<Null>	Undetermined	7/22/2024	<Null>
1	NVLIC	<Null>	Human	7/21/2024	7/25/2024
0.2	NVSFC	<Null>	Human	7/22/2024	7/24/2024
0.1	NVSFC	<Null>	Natural	7/22/2024	7/22/2024
17.95	NVLIC	<Null>	Natural	7/22/2024	7/30/2024
5.3	NVSFC	<Null>	Natural	7/22/2024	8/4/2024
214	NVCNC	<Null>	Natural	7/22/2024	8/5/2024
1246.26	NVCNC	<Null>	Natural	7/22/2024	8/6/2024
0.1	NVSFC	<Null>	Natural	7/23/2024	7/28/2024
198	NVEIC	<Null>	Natural	7/23/2024	8/3/2024
142.525	NVCNC	<Null>	Natural	7/23/2024	8/4/2024
6.02	NVCNC	<Null>	Natural	7/23/2024	8/4/2024
0.1	NVCNC	<Null>	Human	7/23/2024	8/4/2024
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0.1	NVLIC	<Null>	Natural	7/22/2024	7/28/2024
0.1	NVSFC	<Null>	Natural	7/23/2024	7/28/2024
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3.2	CASIFC	3.2	Undetermined	7/23/2024	<Null>
0.38	NVCNC	<Null>	Natural	7/23/2024	8/4/2024
4.3	NVCNC	<Null>	Natural	7/23/2024	8/3/2024
0.1	NVSFC	<Null>	Natural	7/24/2024	7/24/2024
0.01	CASIFC	0.01	Undetermined	7/24/2024	<Null>

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0.01	CASIFC	0.01	Undetermined	7/24/2024	<Null>
18168.59	NVCNC	<Null>	Natural	7/24/2024	8/26/2024
0.1	NVECC	<Null>	Natural	7/24/2024	7/24/2024
0.1	NVECC	<Null>	Natural	7/24/2024	8/2/2024
9.1	NVSFC	<Null>	Natural	7/24/2024	7/28/2024
0.3	NVLIC	<Null>	Human	7/25/2024	8/1/2024
0.1	NVECC	<Null>	Natural	7/25/2024	8/2/2024
0.25	NVECC	<Null>	Natural	7/25/2024	8/2/2024
0.42	NVECC	<Null>	Natural	7/24/2024	8/3/2024
159	NVEIC	<Null>	Natural	7/25/2024	7/29/2024
408.03	NVEIC	<Null>	Natural	7/25/2024	7/29/2024
234.31	NVCNC	<Null>	Natural	7/25/2024	8/6/2024
997.198	NVCNC	<Null>	Natural	7/25/2024	8/7/2024
552.08	NVCNC	<Null>	Natural	7/25/2024	8/7/2024
376.8	NVCNC	<Null>	Natural	7/25/2024	8/7/2024
0.1	NVSFC	<Null>	Natural	7/24/2024	8/5/2024
0.33	NVCNC	<Null>	Natural	7/25/2024	8/6/2024
0.1	NVECC	<Null>	Natural	7/25/2024	8/2/2024
0.1	NVSFC	<Null>	Natural	7/24/2024	7/28/2024
0.1	NVECC	<Null>	Natural	7/25/2024	8/2/2024
0.1	NVCNC	<Null>	Natural	7/25/2024	8/7/2024
0.1	NVSFC	<Null>	Natural	7/24/2024	7/25/2024
0.1	NVCNC	<Null>	Natural	7/26/2024	8/6/2024
0.1	NVLIC	<Null>	Human	7/26/2024	7/29/2024
0.1	NVLIC	<Null>	Human	7/26/2024	7/29/2024
0.1	NVLIC	<Null>	Human	7/26/2024	7/29/2024
0.1	NVLIC	<Null>	Human	7/26/2024	7/29/2024
0.1	NVLIC	<Null>	Human	7/26/2024	7/29/2024
0.1	NVLIC	<Null>	Human	7/26/2024	7/29/2024
0.1	NVLIC	<Null>	Human	7/26/2024	7/29/2024
0.1	NVLIC	<Null>	Human	7/26/2024	7/29/2024
0.1	NVEIC	<Null>	Natural	7/26/2024	8/1/2024
98	NVLIC	<Null>	Natural	7/26/2024	8/14/2024
0.1	NVEIC	<Null>	Human	7/26/2024	7/29/2024
17	NVECC	<Null>	Natural	7/26/2024	8/10/2024
0.9	NVSFC	<Null>	Natural	7/26/2024	8/4/2024
44.8	NVEIC	<Null>	Natural	7/27/2024	7/31/2024
0.4	NVSFC	<Null>	Human	7/26/2024	7/27/2024
1.4	NVECC	<Null>	Natural	7/27/2024	8/6/2024
0.5	NVSFC	<Null>	Natural	7/27/2024	8/5/2024
0.5	NVECC	<Null>	Natural	7/27/2024	8/4/2024
0.1	NVECC	<Null>	Natural	7/28/2024	8/5/2024
0.8	NVEIC	<Null>	Undetermined	7/28/2024	7/29/2024

0.1	NVCNC	<Null>	Human	7/28/2024	8/21/2024
0.1	NVLIC	<Null>	Human	7/28/2024	7/30/2024
0.1	NVLIC	<Null>	Undetermined	7/29/2024	<Null>
0.1	NVLIC	<Null>	Undetermined	7/29/2024	7/29/2024
0.1	NVLIC	<Null>	Human	7/29/2024	7/29/2024
0.41	NVCNC	<Null>	Human	7/29/2024	8/10/2024
0.1	NVEIC	<Null>	Human	7/30/2024	7/30/2024
8232	NVECC	<Null>	Natural	7/30/2024	<Null>
0.1	NVLIC	<Null>	Human	7/27/2024	7/30/2024
0.2	NVEIC	<Null>	Undetermined	7/30/2024	8/5/2024
0.25	NVECC	<Null>	Human	7/31/2024	8/3/2024
0.1	NVLIC	<Null>	Human	8/1/2024	8/3/2024
0.1	NVLIC	<Null>	Human	8/1/2024	8/12/2024
0.1	NVSFC	<Null>	Human	8/1/2024	8/1/2024
0.9	NVSFC	<Null>	Natural	8/3/2024	8/3/2024
0.1	NVECC	<Null>	Natural	8/3/2024	8/11/2024
0.2	NVECC	<Null>	Natural	8/3/2024	8/14/2024
0.1	NVECC	<Null>	Natural	8/3/2024	8/14/2024
0.1	NVECC	<Null>	Natural	8/3/2024	8/14/2024
0.1	NVECC	<Null>	Natural	8/3/2024	8/14/2024
0.1	NVECC	<Null>	Natural	8/3/2024	8/14/2024
0.01	CASIFC	<Null>	Undetermined	8/3/2024	<Null>
0.1	NVECC	<Null>	Natural	8/3/2024	8/14/2024
0.1	NVECC	<Null>	Natural	8/3/2024	8/14/2024
0.01	CASIFC	0.01	Undetermined	8/4/2024	<Null>
0.1	NVECC	<Null>	Natural	8/3/2024	8/14/2024
0.1	NVEIC	<Null>	Natural	8/3/2024	8/10/2024
64.54	NVCNC	<Null>	Natural	8/3/2024	<Null>
4.34	NVCNC	<Null>	Natural	8/4/2024	8/14/2024
11.07	NVCNC	<Null>	Natural	8/3/2024	<Null>
0.01	CASIFC	0.01	Undetermined	8/4/2024	<Null>
0.1	NVECC	<Null>	Natural	8/4/2024	8/15/2024
2.06	NVCNC	<Null>	Undetermined	8/4/2024	8/15/2024
0.1	NVECC	<Null>	Natural	8/4/2024	8/14/2024
5.233	NVCNC	<Null>	Natural	8/3/2024	<Null>
18.124	NVCNC	<Null>	Natural	8/4/2024	8/15/2024
1.816	NVCNC	<Null>	Human	8/4/2024	8/15/2024
0.02	CASIFC	<Null>	Undetermined	8/4/2024	<Null>
13.1	NVEIC	<Null>	Natural	8/4/2024	8/16/2024
1	NVECC	<Null>	Natural	8/4/2024	8/14/2024
0.35	NVSFC	<Null>	Human	8/5/2024	8/14/2024
110	NVSFC	<Null>	Natural	8/5/2024	9/1/2024
14	CASIFC	14	Undetermined	8/5/2024	<Null>
0.1	NVCNC	<Null>	Natural	8/5/2024	8/21/2024

0.1	NVEIC	<Null>	Natural	8/6/2024	8/12/2024
0.968	NVCNC	<Null>	Human	8/6/2024	8/17/2024
<Null>	CAOVCC	<Null>	<Null>	8/6/2024	<Null>
173	NVECC	<Null>	Natural	8/6/2024	8/24/2024
0.1	NVCNC	<Null>	Undetermined	8/6/2024	8/21/2024
0.1	NVECC	<Null>	Natural	8/3/2024	8/7/2024
0.2	NVEIC	<Null>	Human	8/7/2024	8/12/2024
1.2	NVLIC	<Null>	Natural	8/8/2024	8/18/2024
55	NVECC	<Null>	Natural	8/8/2024	8/24/2024
0.25	NVLIC	<Null>	Human	8/9/2024	8/11/2024
0.1	NVEIC	<Null>	Human	8/9/2024	8/9/2024
0.1	NVEIC	<Null>	Undetermined	8/9/2024	8/9/2024
0.1	NVECC	<Null>	Natural	8/8/2024	8/10/2024
0.1	NVECC	<Null>	Natural	8/9/2024	8/17/2024
0.1	NVLIC	<Null>	Natural	8/10/2024	8/18/2024
0.1	NVLIC	<Null>	Human	8/10/2024	8/11/2024
0.1	NVLIC	<Null>	Human	8/10/2024	8/11/2024
0.1	NVECC	<Null>	Natural	8/10/2024	8/17/2024
0.1	NVECC	<Null>	Natural	8/10/2024	8/17/2024
237	NVLIC	<Null>	Natural	8/10/2024	9/18/2024
0.25	NVLIC	<Null>	Natural	8/10/2024	8/18/2024
0.1	NVECC	<Null>	Natural	8/10/2024	8/17/2024
32	NVLIC	<Null>	Natural	8/10/2024	8/16/2024
0.1	NVLIC	<Null>	Natural	8/10/2024	8/18/2024
0.1	NVECC	<Null>	Natural	8/11/2024	8/17/2024
0.1	NVECC	<Null>	Natural	8/11/2024	8/17/2024
19.912	NVCNC	<Null>	Human	8/11/2024	8/23/2024
657	NVSFC	<Null>	Human	8/12/2024	8/21/2024
0.1	NVLIC	<Null>	Human	8/12/2024	8/14/2024
0.1	NVLIC	<Null>	Human	8/12/2024	8/13/2024
141.613	NVCNC	<Null>	Undetermined	8/13/2024	8/23/2024
0.1	NVECC	<Null>	Natural	8/14/2024	8/20/2024
0.1	NVLIC	<Null>	Natural	8/14/2024	8/14/2024
1.92	NVEIC	<Null>	Human	8/14/2024	8/21/2024
0.75	NVLIC	<Null>	Human	8/14/2024	8/23/2024
2.25	NVSFC	<Null>	Undetermined	8/16/2024	8/26/2024
89.481	NVCNC	<Null>	Human	8/16/2024	8/30/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/23/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/24/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/24/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/24/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/24/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/24/2024
0.5	NVECC	<Null>	Natural	8/17/2024	8/24/2024

0.1	NVEIC	<Null>	Natural	8/17/2024	8/21/2024
0.1	NVEIC	<Null>	Natural	8/17/2024	8/18/2024
0.1	NVECC	<Null>	Natural	8/18/2024	8/24/2024
2.5	NVECC	<Null>	Natural	8/17/2024	8/24/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/24/2024
0.1	NVEIC	<Null>	Natural	8/18/2024	8/21/2024
0.1	NVEIC	<Null>	Natural	8/18/2024	8/25/2024
0.1	NVECC	<Null>	Natural	8/18/2024	8/24/2024
4.83	NVCNC	<Null>	Natural	8/17/2024	9/2/2024
10	NVECC	<Null>	Natural	8/18/2024	8/24/2024
0.1	NVECC	<Null>	Natural	8/18/2024	8/25/2024
0.25	NVEIC	<Null>	Natural	8/18/2024	8/19/2024
0.1	NVEIC	<Null>	Natural	8/18/2024	8/18/2024
0.1	NVECC	<Null>	Natural	8/18/2024	8/24/2024
0.1	NVEIC	<Null>	Natural	8/18/2024	8/28/2024
0.1	NVECC	<Null>	Natural	8/18/2024	8/25/2024
1080	NVECC	<Null>	Natural	8/18/2024	9/11/2024
0.1	NVECC	<Null>	Natural	8/18/2024	8/25/2024
1.09	NVCNC	<Null>	Human	8/18/2024	8/29/2024
0.1	NVECC	<Null>	Natural	8/18/2024	8/25/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/19/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/24/2024
0.1	NVECC	<Null>	Natural	8/17/2024	8/19/2024
63	NVLIC	<Null>	Human	8/19/2024	9/1/2024
0.1	NVECC	<Null>	Natural	8/20/2024	8/27/2024
16.09	NVEIC	<Null>	Human	8/20/2024	8/21/2024
1786.855	NVCNC	<Null>	Human	8/20/2024	9/3/2024
92	NVECC	<Null>	Undetermined	8/20/2024	9/21/2024
0.1	NVECC	<Null>	Natural	8/21/2024	8/29/2024
70.943	NVCNC	<Null>	Human	8/21/2024	9/2/2024
0.112	NVCNC	<Null>	Human	8/21/2024	9/2/2024
268	NVECC	<Null>	Natural	8/21/2024	9/23/2024
0.28	NVECC	<Null>	Natural	8/21/2024	8/31/2024
0.75	NVECC	<Null>	Natural	8/21/2024	8/30/2024
0.1	NVECC	<Null>	Natural	8/21/2024	8/30/2024
8026	NVLIC	<Null>	Human	8/22/2024	9/29/2024
0.1	NVEIC	<Null>	Undetermined	8/23/2024	9/3/2024
0.1	NVECC	<Null>	Natural	8/23/2024	8/23/2024
1	NVECC	<Null>	Natural	8/22/2024	9/3/2024
0.1	NVEIC	<Null>	Human	8/23/2024	8/23/2024
0.1	NVLIC	<Null>	Human	8/23/2024	8/24/2024
0.1	NVLIC	<Null>	Undetermined	8/23/2024	8/23/2024
10	NVECC	<Null>	Natural	8/23/2024	9/23/2024
10.11	NVEIC	<Null>	Human	8/24/2024	8/26/2024

0.1	NVSFC	<Null>	Human	8/24/2024	8/25/2024
0.1	NVECC	<Null>	Human	8/25/2024	9/1/2024
1	NVECC	<Null>	Human	8/25/2024	9/1/2024
0.25	NVECC	<Null>	Human	8/25/2024	9/1/2024
0.1	NVECC	<Null>	Human	8/25/2024	9/1/2024
0.1	NVECC	<Null>	Human	8/21/2024	9/26/2024
0.1	NVECC	<Null>	Natural	8/18/2024	8/27/2024
0.1	NVECC	<Null>	Natural	8/18/2024	8/27/2024
0.1	NVLIC	<Null>	Human	8/27/2024	8/31/2024
3.6	NVSFC	<Null>	Human	8/28/2024	9/1/2024
0.1	NVCNC	<Null>	Human	8/28/2024	9/9/2024
0.1	NVLIC	<Null>	Undetermined	8/29/2024	9/18/2024
52	NVSFC	<Null>	Human	8/29/2024	9/13/2024
0.1	NVECC	<Null>	Natural	8/11/2024	8/29/2024
0.1	NVEIC	<Null>	Human	8/30/2024	9/14/2024
0.3	NVSFC	<Null>	Human	8/30/2024	9/12/2024
0.1	NVCNC	<Null>	Human	8/30/2024	9/10/2024
0.1	AZPDC	<Null>	Human	8/31/2024	9/1/2024
0.03	NVEIC	<Null>	Undetermined	8/31/2024	9/14/2024
16.3	NVSFC	<Null>	Human	8/31/2024	9/13/2024
13.4	NVCNC	<Null>	Human	8/31/2024	9/11/2024
4	NVSFC	<Null>	Human	9/1/2024	9/12/2024
0.1	NVECC	<Null>	Natural	8/31/2024	9/7/2024
0.1	NVECC	<Null>	Natural	9/1/2024	9/7/2024
0.1	NVEIC	<Null>	Natural	9/1/2024	9/7/2024
0.2	NVECC	<Null>	Natural	9/2/2024	9/10/2024
2.9	NVCNC	<Null>	Human	9/2/2024	9/13/2024
3	NVEIC	<Null>	Natural	9/2/2024	9/14/2024
4.34	NVEIC	<Null>	Natural	9/2/2024	9/4/2024
4.124	NVCNC	<Null>	Human	9/2/2024	10/13/2024
0.18	NVECC	<Null>	Natural	9/2/2024	9/10/2024
0.1	NVECC	<Null>	Natural	9/3/2024	9/10/2024
403	NVEIC	<Null>	Natural	9/3/2024	9/8/2024
333	NVEIC	<Null>	Natural	9/3/2024	9/12/2024
0.25	NVEIC	<Null>	Natural	9/3/2024	9/14/2024
0.1	NVEIC	<Null>	Natural	9/3/2024	9/3/2024
0.1	NVLIC	<Null>	Human	9/3/2024	9/4/2024
0.1	NVECC	<Null>	Human	9/3/2024	9/11/2024
0.1	NVECC	<Null>	Human	9/3/2024	9/11/2024
0.01	NVSFC	<Null>	Undetermined	9/4/2024	9/4/2024
0.1	NVCNC	<Null>	Human	9/4/2024	9/15/2024
0.1	NVCNC	<Null>	Human	9/4/2024	9/15/2024
19	NVEIC	<Null>	Natural	9/3/2024	9/12/2024
0.25	NVEIC	<Null>	Natural	9/3/2024	9/12/2024

0.1	NVSFC	<Null>	Human	9/5/2024	9/12/2024
0.28	NVEIC	<Null>	Human	9/5/2024	9/5/2024
209.952	NVCNC	<Null>	Human	9/6/2024	9/17/2024
0.1	NVCNC	<Null>	Human	9/6/2024	9/17/2024
0.1	NVCNC	<Null>	Human	9/6/2024	9/17/2024
0.575	NVCNC	<Null>	Human	9/6/2024	9/17/2024
0.1	NVSFC	<Null>	Natural	9/6/2024	9/12/2024
5.3	NVSFC	<Null>	Undetermined	9/6/2024	9/9/2024
5824	NVSFC	<Null>	Undetermined	9/7/2024	12/3/2024
0.5	NVEIC	<Null>	Undetermined	9/8/2024	9/8/2024
0.1	NVLIC	<Null>	Human	9/8/2024	9/10/2024
0.1	NVSFC	<Null>	Human	9/8/2024	9/12/2024
0.53	NVEIC	<Null>	Natural	9/8/2024	9/19/2024
0.25	NVEIC	<Null>	Natural	9/8/2024	9/19/2024
28.5	NVLIC	<Null>	Natural	9/8/2024	9/19/2024
0.1	NVECC	<Null>	Natural	9/9/2024	9/18/2024
0.1	NVSFC	<Null>	Human	9/9/2024	9/10/2024
0.1	NVEIC	<Null>	Natural	9/9/2024	9/10/2024
145.54	NVEIC	<Null>	Human	9/10/2024	10/1/2024
12.307	NVCNC	<Null>	Human	9/10/2024	<Null>
0.1	NVECC	<Null>	Natural	9/11/2024	9/18/2024
0.25	NVECC	<Null>	Natural	9/11/2024	9/19/2024
0.1	NVLIC	<Null>	Human	9/10/2024	9/10/2024
0.1	NVLIC	<Null>	Human	9/10/2024	9/10/2024
0.1	NVLIC	<Null>	Human	9/10/2024	9/10/2024
0.57	NVEIC	<Null>	Human	9/11/2024	9/12/2024
0.25	NVEIC	<Null>	Natural	9/12/2024	9/14/2024
0.1	NVSFC	<Null>	Human	9/13/2024	9/13/2024
18	NVECC	<Null>	Human	9/13/2024	9/25/2024
1	NVEIC	<Null>	Human	9/14/2024	9/24/2024
7	NVLIC	<Null>	Human	9/14/2024	9/19/2024
0.1	NVSFC	<Null>	Human	9/14/2024	9/15/2024
0.1	NVLIC	<Null>	Human	9/15/2024	9/19/2024
0.1	NVLIC	<Null>	Human	9/15/2024	9/20/2024
0.38	NVEIC	<Null>	Undetermined	9/15/2024	10/1/2024
2.8	NVEIC	<Null>	Natural	9/15/2024	9/19/2024
3.8	NVEIC	<Null>	Undetermined	9/15/2024	10/1/2024
0.25	NVECC	<Null>	Natural	9/16/2024	9/24/2024
0.1	NVLIC	<Null>	Human	9/18/2024	9/18/2024
0.1	NVLIC	<Null>	Natural	9/9/2024	9/10/2024
0.1	NVSFC	<Null>	Natural	9/18/2024	9/19/2024
0.1	CACICC	0.1	Undetermined	9/19/2024	9/22/2024
0.1	NVCNC	<Null>	Natural	9/3/2024	<Null>
0.1	NVECC	<Null>	Natural	9/20/2024	9/27/2024

0.1	NVLIC	<Null>	Natural	9/20/2024	9/20/2024
0.1	NVLIC	<Null>	Human	9/21/2024	9/25/2024
60	NVEIC	<Null>	Human	9/22/2024	10/17/2024
1.97	NVCNC	<Null>	Human	9/23/2024	10/3/2024
0.1	NVECC	<Null>	Natural	9/20/2024	9/23/2024
125	NVLIC	<Null>	Human	1/10/2024	2/5/2024
0.5	NVSFC	<Null>	Human	9/23/2024	10/4/2024
0.2	NVECC	<Null>	Human	9/24/2024	10/2/2024
1	NVECC	<Null>	Human	9/26/2024	10/4/2024
0.1	NVCNC	<Null>	Human	9/26/2024	10/2/2024
0.1	NVLIC	<Null>	Human	9/27/2024	9/30/2024
0.1	NVLIC	<Null>	Human	9/28/2024	9/29/2024
229.3	NVCNC	<Null>	Human	9/29/2024	10/11/2024
0.15	NVCNC	<Null>	Human	9/30/2024	10/11/2024
0.1	NVLIC	<Null>	Human	9/30/2024	9/30/2024
0.1	NVECC	<Null>	Human	10/1/2024	10/8/2024
0.1	NVEIC	<Null>	Human	10/2/2024	10/2/2024
0.1	NVSFC	<Null>	Undetermined	6/10/2024	<Null>
1	NVSFC	<Null>	Human	10/2/2024	10/9/2024
33.25	NVCNC	<Null>	Human	10/3/2024	10/14/2024
0.5	NVEIC	<Null>	Human	10/3/2024	10/3/2024
0.1	NVLIC	<Null>	Human	10/4/2024	10/5/2024
10.8	NVCNC	<Null>	Human	10/4/2024	10/15/2024
7.4	NVECC	<Null>	Human	10/4/2024	10/12/2024
0.1	NVEIC	<Null>	Human	10/5/2024	10/5/2024
0.1	NVEIC	<Null>	Human	10/5/2024	10/5/2024
3.9	NVSFC	<Null>	Human	10/6/2024	10/10/2024
25884	NVEIC	<Null>	Human	10/6/2024	10/21/2024
2.699	NVCNC	<Null>	Human	10/7/2024	10/18/2024
0.62	NVCNC	<Null>	Human	10/7/2024	10/18/2024
0.112	NVCNC	<Null>	Human	10/7/2024	10/18/2024
0.1	NVLIC	<Null>	Undetermined	10/8/2024	10/8/2024
0.1	NVECC	<Null>	Natural	10/8/2024	10/15/2024
0.1	NVLIC	<Null>	Human	10/9/2024	10/22/2024
0.836	NVCNC	<Null>	Human	10/9/2024	10/20/2024
64.3	NVCNC	<Null>	Human	10/9/2024	10/20/2024
3.861	NVCNC	<Null>	Human	10/10/2024	10/20/2024
0.2	NVLIC	<Null>	Human	10/10/2024	10/14/2024
0.1	NVEIC	<Null>	Human	10/10/2024	10/10/2024
0.1	NVSFC	<Null>	Human	10/11/2024	10/16/2024
0.1	NVEIC	<Null>	Human	10/11/2024	10/12/2024
0.1	NVECC	<Null>	Human	10/12/2024	10/17/2024
0.116	NVCNC	<Null>	Human	10/12/2024	10/23/2024
0.1	NVLIC	<Null>	Human	10/12/2024	10/17/2024

0.1	NVLIC	<Null>	Human	10/13/2024	10/15/2024
0.1	NVLIC	<Null>	Human	10/15/2024	10/17/2024
1.497	NVCNC	<Null>	Human	10/15/2024	10/26/2024
0.48	NVSFC	<Null>	Human	10/21/2024	10/28/2024
3.5	NVECC	<Null>	Human	10/22/2024	10/28/2024
0.1	NVEIC	<Null>	Human	10/9/2024	10/9/2024
0.25	NVEIC	<Null>	Human	10/25/2024	10/25/2024
0.1	NVLIC	<Null>	Undetermined	10/26/2024	10/29/2024
1	NVLIC	<Null>	Human	10/27/2024	11/4/2024
2.7	NVSFC	<Null>	Undetermined	10/27/2024	10/29/2024
<Null>	NVEIC	<Null>	<Null>	10/28/2024	<Null>
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0.1	NVLIC	<Null>	Human	11/3/2024	11/4/2024
<Null>	CASIFC	<Null>	Undetermined	11/7/2024	<Null>
0.1	NVSFC	<Null>	Undetermined	11/7/2024	11/8/2024
0.1	NVLIC	<Null>	Human	11/8/2024	11/9/2024
2.91	NVCNC	<Null>	Human	11/8/2024	11/19/2024
100	NVCNC	<Null>	Undetermined	11/9/2024	<Null>
0.1	NVLIC	<Null>	Human	11/9/2024	11/25/2024
0.1	NVLIC	<Null>	Human	11/11/2024	11/13/2024
65	NVSFC	<Null>	Undetermined	11/11/2024	12/20/2024
0.382	NVCNC	<Null>	Human	11/11/2024	11/22/2024
0.1	NVLIC	<Null>	Human	11/18/2024	11/19/2024
0.1	NVLIC	<Null>	Human	11/17/2024	11/19/2024
0.1	NVLIC	<Null>	Human	11/18/2024	11/19/2024
4.976	NVCNC	<Null>	Human	11/22/2024	12/2/2024
0.1	NVLIC	<Null>	Human	11/22/2024	11/22/2024
0.1	NVLIC	<Null>	Human	11/23/2024	11/27/2024
0.1	NVLIC	<Null>	Human	11/27/2024	11/27/2024
0.1	NVLIC	<Null>	Human	11/27/2024	11/27/2024
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61.6	NVEIC	<Null>	Undetermined	11/30/2024	12/18/2024
0.1	NVLIC	<Null>	Human	12/1/2024	12/6/2024
0.1	NVLIC	<Null>	Human	12/1/2024	12/2/2024
0.1	NVLIC	<Null>	Human	12/2/2024	12/2/2024
0.1	CACICC	0.1	Undetermined	12/4/2024	12/4/2024
0.1	NVLIC	<Null>	Human	12/9/2024	12/11/2024
0.1	NVCNC	<Null>	Human	12/10/2024	12/17/2024
0.1	NVCNC	<Null>	Human	12/10/2024	12/17/2024
160	NVCNC	<Null>	Undetermined	12/10/2024	<Null>
<Null>	NVECC	<Null>	Undetermined	12/5/2024	<Null>
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3	NVSFC	<Null>	Undetermined	12/16/2024	<Null>

11	NVSFC	<Null>	Undetermined	12/16/2024	12/23/2024
33.9	NVCNC	<Null>	Human	12/14/2024	12/17/2024
0.1	NVLIC	<Null>	Human	12/16/2024	12/19/2024
0.1	NVLIC	<Null>	Human	12/8/2024	12/8/2024
0.1	NVLIC	<Null>	Human	12/8/2024	12/8/2024
0.1	NVLIC	<Null>	Human	12/8/2024	12/8/2024
0.1	NVLIC	<Null>	Human	12/8/2024	12/8/2024
0.1	NVLIC	<Null>	Human	12/8/2024	12/8/2024
0.1	NVLIC	<Null>	Human	12/8/2024	12/8/2024
0.1	NVLIC	<Null>	Human	12/22/2024	12/26/2024
0.1	NVLIC	<Null>	Human	12/23/2024	12/31/2024

GACC	IncidentName	IrwinID
GBCC	SUNRISE MOUNTAIN	{4018CA26-64E3-44C2-8521-F005BB4F5A0D}
GBCC	SUNRISE MOUNTAIN 2	{72385553-8C7F-4DFE-81AC-B094EDA55838}
GBCC	Ruby Lake Estates Rx	{C845BBC4-163E-495C-893A-BA7C7256CFD6}
ONCC	2024 APPLEGATE PILE RX	{B5046F02-7279-42CE-96D4-6C12CB0506E1}
GBCC	CASINO DRIVE	{BD60CCC7-6101-4D40-8B0A-E77F587BE976}
ONCC	NV ENERGY RX	{F78F2C63-BDE3-4425-B525-7EE8456E2516}
GBCC	2024 HTF Sierra Zone Rx	{A6FDA6B7-9244-4259-BCA0-74E89DABD142}
GBCC	Cattle Camp RX	{44D6B9EA-5102-4B8C-87A0-8E808E05DEE6}
GBCC	Whistler South RX	{2E1C68B8-8521-4832-98F5-B17D92C74EB3}
GBCC	Palo Alto RX	{B1573837-4F20-46FD-903E-BE553923FBA8}
GBCC	BOULEVARD	{01B02BDA-7B82-440B-AC58-F155B5D2F2B4}
ONCC	SUMMIT RX	{6BDADE83-1A2D-448C-B1B7-E968347EA2D9}
ONCC	BLISS RX	{1028FD3E-980A-4FF6-9AF9-AEC53ADE1010}
GBCC	OAKIE	{145FDF78-C2B6-4DCC-BDFF-8F40FF5ABD9E}
GBCC	No Name RX	{30460118-F95E-45C1-848E-A4394B43435B}
GBCC	BUFFALO ROCK	{86593207-9B92-477E-879C-07359BEB94A0}
GBCC	JEAN LAKE	{9556D9CB-3D84-4D56-A124-6C7BDA924A02}
GBCC	WHITE EAGLE	{D39B805D-0B4E-4414-A94F-6DF3F52E6D3B}
GBCC	Desert Gem	{95687386-0C75-42F3-B5EF-6D07529D2406}
GBCC	WINTER WHITETAIL	{7D56E502-42B4-4530-BD7C-A56263526AD0}
GBCC	COVE RD	{AD020A7E-A8B6-4495-B3AF-AA10CA260187}
GBCC	RETENTION	{58EFC1E7-7992-4B46-BC70-A0212DFC08F9}
ONCC	LOGAN SHOALS RX	{49F791BB-A331-4344-92F3-76A15EE86E96}
ONCC	FIRST CREEK 40 RX	{D246FDAD-B625-470F-A230-FE288A2654F3}
GBCC	ANVILS RING	{A2DD4FA7-231D-40F3-8E88-147CCC13E80D}
GBCC	Lehman Flats Piles RX	{51C892D7-5BA1-492D-AA77-81F856490DEF}
GBCC	DESERTS EDGE	{98FEC7D3-8833-431E-A2D9-3C4FCE263222}
GBCC	Chimney	{8F6491B4-17A5-4F92-8E09-4FC2981CC952}
GBCC	USFWS-NVDSR-FY24-RX	{67E87A84-753C-465F-B97E-945B20EDC2EE}
GBCC	FROZEN	{53697594-85C8-4556-94CA-4F50BF294ECC}
GBCC	FROZEN TOE	{96B513BF-2E3B-432C-9D38-79ABF03E531D}
GBCC	KODACHROME	{21CAB4CB-C93E-4526-8C1C-B0EA6ADE7D95}
GBCC	I-80 MM 164	{97A6FCA6-F49F-4F1B-BD50-22D6F7DE47CF}
GBCC	BOULDER RV	{7178EE75-DDC1-4E82-A6CA-F272ABB0B45E}
GBCC	WETLANDS	{785E3272-2EB0-4758-88E4-3546837A98AF}
GBCC	ROADRUNNER	{88945E9A-942A-4699-8F74-406A41502550}
GBCC	JEAN 1	{46223B6B-2FD9-4E4B-A734-17D9D5DE5A14}
GBCC	JEAN 2	{8C173FFB-BE7C-4FA0-9640-F5FC3590EF47}
GBCC	VEGAS WASH	{C5C50386-D155-47E6-8EE1-7885E698715C}
GBCC	2024 Sierra Zone Understory RX Support	{7A796A40-7FCA-4937-9F13-50173FB2D39E}
GBCC	STUMP	{FEAC3CC3-87DB-497E-889F-55554D0A3DA7}
GBCC	Sand Pass Fenceline RX	{E9792D45-5231-4281-BDDC-736D51F53867}
GBCC	Whites Creek Understory Rx A8	{DDB93304-1A4E-4A76-AEC6-2141765B5F2A}

GBCC	Whites Creek Understory Rx A9	{CAE65458-2F92-488F-AC97-90ECB75E638A}
GBCC	Spaulding	{E4306833-57CB-4BB1-9879-D0184D0069C1}
GBCC	CALLVILLE BAY	{3D29F69B-ABBD-443C-A4A3-A53662C821BF}
GBCC	ISOLA	{7B5692CA-A4FB-4E12-B30E-CD7A5755C73E}
GBCC	Old Woods Ranch RX A	{C19AA256-69BE-460C-A387-9997F79E89FF}
GBCC	Old Woods Ranch RX D	{35C3A595-685F-429F-9B48-513CB1D01E6B}
GBCC	Old Woods Ranch RX B	{46E652DD-7C73-4DD0-9E5B-CFE31E7F15FF}
GBCC	Old Woods Ranch RX C	{C18ECE80-9D7F-43F5-8434-3EEC22B179BB}
ONCC	Spooner RX-Picnic Area	{6BE0EB4F-44CF-4F99-85F1-5508F23D227D}
GBCC	SPANISH TRAIL	{4A6E3D6F-AA17-47B0-92C6-417212011B3C}
GBCC	CARP	{EA9D26E5-7A83-4A87-BF85-715247ABBB09}
GBCC	GUBLER	{20D6FD6E-9106-446D-B103-6E44928C1099}
GBCC	KODACHROME 2	{C5058E08-6B9E-4559-B26A-12D6C1E17FCA}
GBCC	Baker Creek RX Prep	{DB171BCA-2092-43D1-8E60-67591D0D8BDB}
GBCC	I-80 MM 209	{2CBE6233-80CB-43AA-B165-9E648F7E57DE}
GBCC	Sedge	{C755A8BD-6509-42C7-A2CE-E8EC1C0FE9CB}
GBCC	Dixie Valley	{D5B2FE92-36F7-4E5B-87B2-6F220A5D9E6B}
GBCC	GOVERNMENT WASH 2	{DA9CFFC0-1E75-4891-8D1F-F357EC6F5362}
GBCC	GOVERNMENT WASH 1	{9132B781-0F5A-4094-9539-8AD06D9284BF}
GBCC	JUNEBUG	{8F553F18-C288-46A8-BA80-92743DDCE874}
GBCC	Lockwood	{8660326B-9C8B-44F2-926B-EB1AEBCBD8B3}
GBCC	I-80	{20A4A7A5-53B6-427E-8D16-565D6C976E3A}
GBCC	Pond	{6D3D4875-ED4F-4AB1-B540-DD4E801286FD}
GBCC	SPECIAL EVENTS	{C681EB15-3BBF-469E-B712-39DAF20C1C5F}
GBCC	WEE THUMP	{25C40986-A3E6-4696-B264-83E7E4A8A548}
ONCC	Spooner Rx-LRP Unit	{74B0B71B-D8D2-45EF-8CB4-87A146A1D49F}
GBCC	Clear Creek Understory RX	{A8B57A37-425B-4FD4-84CB-E6B89A1BC629}
GBCC	Bybee	{71992625-2236-4BF6-8554-E3225E33306A}
GBCC	Sweetwater	{203FF3EF-CC5A-419D-B374-38605A0CEB18}
GBCC	MULE SPRINGS	{58B1BC23-FE2A-414B-9C2E-EA627919D941}
GBCC	SOUTH FISHERMAN	{A118739A-71A7-41C9-9A07-3754D04B52E7}
GBCC	Two Tanks	{41EA6681-6FE9-42AF-80A0-1E7FF44A2A1B}
GBCC	Argenta	{57035730-B511-4411-B144-8D2A32678B4A}
GBCC	Eldon	{20AF64EA-BF47-4B2C-9F65-7BA0A97E853A}
GBCC	Angel	{098A6E5C-56D4-4B83-BAE0-987AFE65FF22}
GBCC	RAINBOW PASS	{E8B7AB8D-C04E-4678-A423-E47B44557CBF}
GBCC	Commander	{A4929646-C9FC-4E9A-99D0-96FF257C4B76}
GBCC	Avi 1	{0FFC345C-84CD-4D5F-B030-F095FE1C91BE}
GBCC	Windless	{1D0C3449-C1FC-4F8A-9EAB-3154D0DF4AA2}
GBCC	BIRD SPRINGS	{BB74EF12-5A3F-4A7E-87EA-504332D68F1A}
ONCC	ORIOLE WY NORTH_LAKE_TAHOE_FD	{E9F7761B-A1C0-4D0E-A7DF-72765ABD0C85}
GBCC	DRY LAKE	{D91E72DE-ADB1-4725-9AB2-CD91B4E21034}
GBCC	Murry	{4D829320-FF40-45E0-BC18-EFB60FB727D9}
GBCC	SANDY VALLEY	{6C106109-8CB9-47B1-A43B-A7983E971D25}

GBCC	Turkey Rock	{72423057-62C7-4195-8969-8F571352AD20}
GBCC	HOLLYWOOD	{3F14F728-696D-4185-873E-657240CA071D}
GBCC	HOLLYWOOD 2	{66302D72-CA6A-4DC1-8F37-AAC690A918AA}
GBCC	Speedway	{6D8FE95B-434A-451E-9F5F-757722ED4BED}
GBCC	Prairie Dog	{21EA67E0-2FD1-414C-BD16-A6FEA88F13E3}
GBCC	Bird	{1C237FED-2218-4A14-99DD-28F535CDD127}
GBCC	DM Tunnel	{846DB5F6-6A1A-4078-A935-8A0855CD5D4E}
GBCC	TURNER	{AB0925AF-8692-48C6-92B0-5D444B32FE78}
GBCC	GOODSPRINGS	{29AC28D6-873D-4218-B6EB-5064E9198163}
GBCC	Airport RX	{A34E0322-CB3E-4723-85F4-5087B8547E24}
GBCC	33 HOLE	{605816BC-1718-4636-B845-BD596BF79366}
GBCC	Rodeo	{FBAC359B-6491-48EF-BB2F-DF545D67F5A2}
GBCC	Columbia Hills	{2F56A3CA-EC9D-40D2-B8B7-EC2A84EA7EAF}
GBCC	Springfield	{03CF1B63-227D-4E92-B7DB-5405A6A38B5F}
ONCC	BEACH	{39E85D09-8499-42E2-8911-D10838B602BF}
GBCC	Jersey	{F419A7A3-59ED-41C0-8B14-603525032D85}
GBCC	Pinyon	{0B5D67D5-0FE9-4D8A-A69C-C94A827D28CD}
GBCC	Juni	{7798F3D5-862C-4E6C-8FAD-45539DCE7AB6}
GBCC	Nat Out One	{52B58D74-AB4C-4A38-BFFD-5B4E9EA89920}
GBCC	McBride	{13222EBB-DC79-4A78-8828-1583BD268D84}
GBCC	GYPSUM	{7FC1C52A-D499-4300-B80F-3D620F6BC667}
GBCC	Desatoya	{A4658BBD-CEC2-4C37-AF65-663575AD009F}
GBCC	Stockyard	{030ED0C9-5FB0-4FD9-9FA1-A66742B5C6FB}
GBCC	Oreana	{F18BC8B5-133E-4396-96C9-82270B9BD78D}
GBCC	Columbia	{F49DBF8D-2BED-4444-8871-94C6205DA8F9}
GBCC	Burnt Canyon	{BC3D111F-EBD3-44B7-A90F-12862176C864}
GBCC	Heath	{720B9F61-E8C8-4536-942C-7942FFB63FDD}
GBCC	Pyramid Tamarack	{9098149C-6FEA-45E5-92F1-F9C2C773DB23}
GBCC	Pinnacle	{C7C41DB6-888A-4A28-9FE5-FC1774A516AF}
GBCC	Rockbottom	{B07A717F-2BA4-432B-A919-A5D3E937344F}
GBCC	Nat Out Two	{679E2A8F-6CBE-4E6C-9059-8B44A599101D}
GBCC	CENTER	{FD46B15B-4376-4C31-8C46-A4058D90F379}
GBCC	Horse Camp RX	{14E6E34A-6E34-4BBF-9880-7C147BD2EBD4}
GBCC	Duck Creek RX	{49BB77C7-15A3-466A-9AE4-92CABE7F66AE}
GBCC	North Basque RX	{E5074E7F-D600-48FA-89A2-02C3C41F33A8}
GBCC	Monument RX	{47001DE8-9008-4E76-8EFD-5740F2E17A56}
GBCC	Trail	{8F3C3D0A-C475-4ACE-B851-2F29457930A4}
GBCC	Transformer	{7E761FC8-D100-462C-B249-23ACA342C1C4}
GBCC	Waddle	{958A999D-3A10-4F07-BA5F-0B3778DD0C4C}
ONCC	TAHOE	{080C0C64-6B9C-43D1-B63A-FF628EA618CE}
GBCC	Sullivan	{053608BA-5209-47FC-8FF3-7F97F64D001E}
ONCC	Herlan Peak	{735307FB-9B14-434D-B118-C78EBB47C11B}
GBCC	447	{97F58969-D229-4CF9-9F6B-E5C4FD628EA4}
GBCC	Graymont II	{462EA106-E077-4DED-9298-D14D18C6191C}

GBCC	Graymont I	{6113B13A-82EA-474A-B56E-3509549B4135}
GBCC	Wassuk	{741C6A6E-C278-4768-BC44-2DD6911A55FB}
GBCC	Schurz	{443D87D0-43B4-4955-BBD3-44BD727FB624}
GBCC	Fence	{5653EC28-AA5A-4982-BF07-46F3230C94A2}
GBCC	SANDY VALLEY 2	{7FCE502F-B9F9-46EC-9858-BBB89106B7F0}
GBCC	Little Cedar	{2D830560-804A-427F-BD45-C0AEA6DE585A}
GBCC	Long Dry Canyon	{D1995623-2502-4CC2-AA22-B8DC9E7559A4}
GBCC	Rock	{8B0A1464-8D19-4699-AD97-C8918F0B6189}
GBCC	Summit	{7F0A6ADB-3F41-4043-B1FC-F353F1B92370}
GBCC	Bay	{070BA29D-53BE-4369-BE7C-7D2FDBF5F1A0}
GBCC	ALAMO	{5F6D233A-4ACD-41BF-85FD-BF4AB1FBCFBD}
GBCC	Mule	{9F942F3B-A70E-4909-987F-190B04D76C7E}
GBCC	Mary	{DA4FCB2B-965B-451A-8982-B8ACA775995E}
GBCC	I-80 MM 162	{FC74DAF9-A449-4A0C-944E-E4EEBE410317}
GBCC	Popcorn Rock	{96D7F43A-D6DD-4B77-AFA2-32E966B09167}
GBCC	Cone	{362895D8-CF3E-4877-BF2B-899C97D21DC4}
GBCC	LATE NIGHT	{E411D604-75C7-4A21-9AD9-7B082282BF3D}
GBCC	Colony	{BD56CB32-2BFC-4D4D-B9BB-13088EF037D7}
GBCC	Northridge	{6FD044AD-8A71-442E-B0FC-1BCE67E195F3}
GBCC	Golden	{95E0AB5D-15FA-45A1-8506-4CE8DD872142}
ONCC	HIDDEN	{32960254-37B4-4639-85FD-D6F189581EC5}
GBCC	Allison	{7D1135EB-53B7-4C3F-A1AA-A7D6C925AD32}
GBCC	Ironwood	{C5035C16-9D35-4870-A62C-8EE599B535E7}
GBCC	Jack	{2B59D2A4-2D2F-4C36-AC9B-6762F867B65B}
GBCC	HOLLYWOOD TRAIL	{168A24D0-BBC5-4FE2-B288-EFF59FB6A1F7}
GBCC	Campbell	{EBD29BE6-1F25-4A72-BF2F-575C031EB697}
GBCC	PIT	{9603F8CC-D144-4908-8985-70D9A236215F}
GBCC	Fort Churchill	{4A478083-5EF4-42B5-91F8-14A2F829EEDB}
GBCC	SMOOTH BROME	{017A5191-1243-4455-9EA3-79C3FFBB12FA}
GBCC	National	{830A6B9B-3651-4A10-AD47-44FAA4F862BA}
GBCC	Mosquito	{36BED237-023F-47AD-8235-D5181FD1A9C4}
GBCC	Sage	{C33F9CE8-CF83-46BF-B03A-2B459A1F3FC2}
GBCC	FOXTAIL	{A4E990D5-370C-4BAF-A793-4BC26CB9E801}
GBCC	River Ranch	{D918380C-3B8B-4C2E-A418-74279D0F11DF}
GBCC	Brush Creek	{B5F0C3C4-49FA-4A39-B0C5-D561BE36EC12}
GBCC	Honey Lake	{16A7DCD1-8943-4444-9EDA-53951DA04619}
GBCC	Dotty's	{E92775DC-1C64-427C-9228-D1CB8053573F}
GBCC	Airport	{CCEEAEDF-01AB-4B99-BEC7-3F6B14C8E45C}
GBCC	Alpine	{6B7F195D-75DC-4119-A8DF-3A815DEA36ED}
GBCC	Bench	{4CAABA11-2361-49B8-B672-C4E823FD2F8B}
GBCC	Minolia	{E992E4B6-A629-42B5-8911-AE2043CF288D}
GBCC	Moor	{444F026C-B20D-40C7-8851-2A22A314E00B}
GBCC	Beowawe	{169DE7F8-3769-427F-AAB4-A9AE1110BF04}
GBCC	159	{0017FF3B-E968-4177-93C0-00F5FF01AF45}

GBCC	Wilson	{0A76B241-9918-4734-946D-B3DCDC1BE8E8}
GBCC	Rocky	{8176355C-445A-4A2F-B5F9-F8A58A57F8E2}
GBCC	Fairview Springs	{DC02732C-BBFD-48E1-BBA5-51515D966B39}
GBCC	Browns Fence	{43086B88-BA5F-4FF3-8A09-EF38E1F0433B}
NWCC	Yellow Peak	{2FC40E6C-5CB5-4815-B8D5-DF602D407CDD}
ONCC	S-1 TUFFY	{F3F0D1F3-9F18-4C4B-A548-AD77191325C0}
GBCC	Valle	{8C3EEEC6-1E57-4F36-BE75-BFF9EA7D46E7}
GBCC	Bear	{6D9EB6ED-3318-46CF-9265-51F832A3435B}
GBCC	Giroux	{610A5D5A-76A5-4794-93D0-F0A0A250F56C}
GBCC	Craw Creek	{01E7554F-6AE5-4F89-8BE8-99FCF8449780}
OSCC	PIZONA	{69C3E0A7-57DA-4BBA-8980-6A7A66F6044E}
GBCC	Mina	{FEA0812A-0A07-4144-BB7B-4BA58CF0398B}
GBCC	SUNSET	{565876DE-5C6D-44DD-95D7-41E2B69C51CC}
GBCC	COMANCHE ASSIST	{A82A5FED-E772-4478-AE84-6F5C2B503070}
GBCC	BLUE MOUNTAIN	{EAEA5930-FDFC-49A1-BF1B-AAF0B15AE9A9}
GBCC	Nat Out Four	{17640D7D-5293-4B6D-8263-CFD52B56998C}
GBCC	Nat Out Five	{9E541766-1912-4C97-9679-7D73C424B57E}
GBCC	Nat Out Three	{5B0F64AD-4A5C-4643-8E6C-1EC95C2FAB52}
GBCC	Blue Mountain 2	{859D879A-6816-4272-A38A-16155A52DEAA}
GBCC	Gleason	{C9A0C341-0FBF-42B3-8CA5-9B5146746BE4}
GBCC	Egan Crest	{CF3CF649-E0A5-46D6-95C7-509E3600F1E2}
GBCC	VIRGIN RIVER	{02AE92EB-2F5F-4E32-A6A6-010B9948FCB6}
GBCC	Bunker	{399B4760-3EA0-4198-B57B-A0D0AD09F56A}
GBCC	Woodchopper	{D881FA73-3990-4B37-A6AA-19920791D6EB}
GBCC	Lucky Boy	{51D8DC1D-1806-4DB0-A2A2-13C8EA433FD3}
GBCC	Willow Creek	{145A505B-39C9-4567-A61B-F190924D6202}
GBCC	Highland	{819C2774-557F-48C5-B82D-E7CB62C3F924}
GBCC	RIVERSIDE	{FC4FEFD8-D1BE-47AA-90D7-9A97291099DB}
GBCC	DMW	{A1483E16-A9A9-4131-A418-FD895E535A6D}
GBCC	Ratto	{7E350E17-D906-4DBC-B7E3-5671B944D045}
GBCC	Gilmann	{F9184627-F813-40D1-82FA-31B2F9F0E08D}
GBCC	Short Range	{BD636BF0-B4B9-4C25-AEFF-73F3FBEB28FB}
GBCC	Chicken Ranch	{1770191E-9B56-464D-9382-07A0A2830F73}
GBCC	Stage	{32E04C73-5F5F-4836-BAE8-9F663033F409}
GBCC	Coyote	{28E43CD0-7449-451C-A039-E66C9A940EF9}
GBCC	Gabbs	{88D097DD-CA2C-496F-BBB6-B1AD4575F142}
GBCC	Burnt	{82702D05-B008-4A7C-ABA9-15A0355176CB}
GBCC	Burner	{8B54D233-2B45-4E92-8E73-60F69B3D7448}
GBCC	Antelope Mountain	{CE2B19E2-AD5A-4361-80BA-1CD155C1D95D}
GBCC	Buffalo	{7CC812BF-0145-46CF-AC7C-236888752E58}
GBCC	Buffalo 1	{C8FAFA0F-F88C-4E4E-8F36-65A52F6B731C}
GBCC	CACTUS 2	{EBE30D41-6303-4196-BB06-8D0FB9EB85D0}
GBCC	Creek	{48FA71B6-A74E-4C0C-B1A1-815158251408}
GBCC	Nat Out Six	{5C85BF03-D5F9-4875-9A95-664673A24A47}

GBCC	Teal	{DB46FBE5-138F-428D-9D29-145E69752207}
GBCC	I-80 MM 139	{02CDF4FD-6FD6-49B2-9F92-8E74A4D87279}
GBCC	Genoa Rx G5	{9E60C131-4295-48F8-970C-47B7E073DF99}
GBCC	Old Metropolis	{261BE2F9-86F2-49E1-8A9A-3DD9E3F44BB0}
GBCC	RANGE 62B	{6CA7DC8B-4235-4D25-BC71-43F6AD790C89}
GBCC	Orchard	{2D0A2152-7730-4B0F-ADC8-1E0A2806EEFD}
GBCC	SR447 MM50	{44DDC8B8-21A8-419E-8E81-1C96AFEEE8BB}
GBCC	HARRIS SPRINGS	{B6601BB4-8A9A-4B62-B874-9E8C09ECA73B}
GBCC	Tenmile	{74A4D40F-21FE-4321-8C4F-916C5068AC92}
GBCC	SPANISH	{5F20A11B-14E6-4024-BFA2-18914888C61A}
GBCC	California	{5A1B7331-CCEA-437A-BA5F-97CE6297F00E}
GBCC	CENTENNIAL	{121B48F3-F19F-458D-B40F-67D595681944}
GBCC	HIDDEN VALLEY	{A4A1793C-C1F7-439E-98F7-50D40E0EE653}
GBCC	Mustang	{3454907B-0422-4AAA-BE15-4A0DFCBF18EB}
GBCC	Homerun	{D02BBDBD-8FB4-4EA0-B9CD-8CE498FD02CD}
GBCC	Springfield	{254C4894-E5C2-4C84-8FCA-7F28C6B43FA6}
GBCC	Sunny	{7A270669-64FE-4114-A646-2ED0DCF053CF}
GBCC	Rawhide	{C1AF187A-377A-41DE-80DD-7D82E9A8DE70}
GBCC	Hog Pen	{28092AAA-D361-43C5-81B6-35194AFA410C}
GBCC	TROPICAL 2	{0A0E0B01-FB33-484F-839E-FEB48AAE22C8}
GBCC	Firecracker	{F6C12A78-DB76-4158-8173-F16C12B17088}
GBCC	MM 22	{4F9FEF64-FBB0-4153-837A-7EE5B38E2B07}
GBCC	GRAND	{78F224D4-7091-4AB1-9E67-672E110883F0}
GBCC	Avi 2	{8D5E9987-3A1A-4AB1-9261-4121AE5E73DD}
GBCC	DESERT FOOTHILS	{8B0DF04A-9C9B-4CEC-BCDF-59DDE7F72059}
GBCC	TROPICAL 3	{B2712C94-23FA-4776-B619-BD41D242BC23}
GBCC	Avi 4	{A8C91AD5-08C1-4E6F-986F-6DA1271F11B9}
GBCC	Whites	{1447D5C2-8E85-4972-A9A9-3E3E072F3F26}
GBCC	APEX 2	{F784F6B9-FB5C-429C-BA40-18FBF48DA8C6}
GBCC	Cottonwood	{110267E4-4AE4-488A-8969-42C29998293D}
GBCC	GREENSCAPE	{DC568199-77E6-4C32-9633-DDB0EA7D0D52}
GBCC	TROPICAL 5	{32792CEE-BB6F-40EB-96B7-94D990F7587F}
GBCC	TROPICAL 4	{9AD265E4-5F74-414B-94B3-4495C1805E0F}
GBCC	CARMEL CLIFF	{4697BC46-DAF4-48A6-AB31-841800CD3AE6}
GBCC	CREEK SPRING	{BF866D81-F534-483B-AD7B-072B983C5F38}
GBCC	BROWNSTONE	{11670BD5-C830-43BE-B343-B2D61CFAA2EB}
GBCC	SUMMERLIN VILLAGE	{2D5A8935-ECD5-44E0-B248-C7841A0A0942}
GBCC	Marina	{2184035F-CB66-417D-8656-FB34770C24E0}
GBCC	Blockhouse	{628FF5F4-AEDD-447C-B39C-8552760DC98F}
GBCC	Separator	{6F6967B6-B9B9-4376-A886-88172379775D}
GBCC	Rock Head	{51FBC4CC-9640-4940-ADEC-0FE23562ABD7}
GBCC	Stockade	{0BB6DD02-2359-4611-92D3-8DB8BFC18D11}
GBCC	Offenhauser	{E155B2BE-DED6-4EA0-9768-4F3DCF063C6C}
GBCC	MINE	{57E79672-A43D-4A1F-AE8F-F3CD1AA34063}

GBCC	Cordero 3	{31CE4A1A-4B53-486B-8E20-7FCDC98FC9A9}
GBCC	Fair Ground	{F04A7C7D-45E5-4932-8F61-54642F7BF989}
GBCC	Great Basin	{4547AD99-20F1-40F5-9614-3BD422692D53}
GBCC	Garnet	{6800CE51-355C-4C02-8789-F7F14040949B}
GBCC	Cordero 4	{EAD8C46F-7246-4593-9EF9-E0E6748272D1}
GBCC	Cordero 5	{CB73F59E-4B0A-46EA-A874-D0C0E64192D4}
GBCC	Barbed	{E543BF3F-0295-41DA-BD62-67D4C879C6A0}
GBCC	Karaban Beach	{2B0759B1-27EB-48BB-92DF-09DF68CED50E}
GBCC	Tamarack 2	{63009EDE-A1F3-44E1-BB78-731414B08B76}
GBCC	HOLLYWOOD 3	{16285C0F-FF9D-448A-B652-1C0AD336FF93}
GBCC	HOLLYWOOD 4	{7210C48E-093A-4B44-95B3-535B620572B0}
GBCC	HOLLYWOOD 6	{3BD11E4F-FD6C-4355-9687-6EB6C0856668}
GBCC	HOLLYWOOD 5	{5473E81C-6DF9-416B-B3D6-264529A1E398}
GBCC	HOLLYWOOD 8	{E96F760B-5FA3-4D65-BB01-7F1C118F26B6}
GBCC	HOLLYWOOD 7	{5C054B58-6131-4D6E-9266-6F89C4FF14AC}
GBCC	HOLLYWOOD 10	{32C8E293-868D-4060-A4F1-2A2D8DF74B4C}
GBCC	HOLLYWOOD 9	{E03EF623-D493-4A0C-97B6-A8ED62977DFC}
GBCC	HOLLYWOOD 13	{4ADE6FD9-8636-4B4C-8AE4-C471D7F9BC78}
GBCC	HOLLYWOOD 12	{4EAA8E84-0FAE-492C-B27B-8EEEAE769723}
GBCC	HOLLYWOOD 11	{B327D105-2412-4126-B0AA-4E26AC0722A9}
GBCC	HOLLYWOOD 14	{06F963D0-399C-4203-B82D-80CE7CF22B7B}
GBCC	HOLLYWOOD 15	{F7857005-5250-45DE-9381-575E4FBC7DFF}
GBCC	HOLLYWOOD 18	{567D0F9E-9899-401A-85B8-46822789948F}
GBCC	HOLLYWOOD 17	{715F11A2-6E42-4785-83B7-1CA8BB0B19B8}
GBCC	HOLLYWOOD 16	{D9AEC391-4A02-4B0C-A36B-B06732012525}
GBCC	HOLLYWOOD 19	{33CCE069-C5A5-423B-B900-49AEDEDE60BB}
GBCC	HOLLYWOOD 21	{47B73E6F-FF1A-45CF-86F3-577A64C065CD}
GBCC	HOLLYWOOD 20	{29F94866-412F-4F77-85D5-E27E80A692A2}
GBCC	HOLLYWOOD 24	{CFD79198-2A07-4CCC-AC8F-F7D92EE8D6B7}
GBCC	HOLLYWOOD 23	{85A0C824-FC28-43FC-B694-5E90570F84EC}
GBCC	HOLLYWOOD 22	{FE681E3F-103F-4F13-841E-B1D14D5CADD6}
GBCC	HOLLYWOOD 28	{BD1F9E22-016C-4C62-98FD-F97C9653B4CE}
GBCC	HOLLYWOOD 27	{609130F8-4949-4448-96B3-CD8874CF2C59}
GBCC	HOLLYWOOD 25	{315391FF-2402-4649-BA3C-9368FA083675}
GBCC	HOLLYWOOD 26	{24300393-F11D-4A81-B536-EB20CC265B06}
GBCC	HOLLYWOOD 29	{913729C8-56C5-4B1A-9048-138B6A162233}
GBCC	HOLLYWOOD 30	{DD5C8FC5-6FCE-44C1-A423-271EE67C9F99}
GBCC	HOLLYWOOD 33	{CF185C64-7E69-4327-A554-401D71D1DCEC}
GBCC	HOLLYWOOD 31	{F3A11EBC-3B76-4BAF-84BC-9FA9E573D9FA}
GBCC	HOLLYWOOD 32	{C18DCAE7-C102-473C-B191-C05320975FEC}
GBCC	HOLLYWOOD 35	{F5C27A0B-EFB0-4EE8-BCAE-5C457C36681F}
GBCC	HOLLYWOOD 36	{05AC0D11-DA77-46EC-9FAA-712738E11EE3}
GBCC	HOLLYWOOD 34	{0AC53221-5D1D-4597-B6F0-CB31084F3D24}
GBCC	HOLLYWOOD 38	{C78A1C26-8654-4DF3-AF77-70E0D5C73ACD}

GBCC	HOLLYWOOD 39	{0376101C-BF89-4B3E-846E-C990340A9501}
GBCC	HOLLYWOOD 37	{6BB5DCE9-F2D8-414E-92DA-FCAEDF89F4C5}
GBCC	HOLLYWOOD 40	{44F8A0D3-CE96-4AB5-B66C-63245A233CC2}
GBCC	HOLLYWOOD 44	{473F63C2-FC47-41A7-8D93-053DE0A20456}
GBCC	HOLLYWOOD 43	{52EE080E-988E-416D-81B1-9C9D707DCA4C}
GBCC	HOLLYWOOD 41	{70EF3FCC-C14F-4FCA-9609-11A21085C454}
GBCC	HOLLYWOOD 42	{F4FF6D40-B452-4901-A5B3-489A780F97C7}
GBCC	Hollywood 46	{304AC91E-B062-44F7-8A27-4B1D7D311228}
GBCC	Hollywood 45	{94D9ECEA-F544-414A-9D6D-A0824F56FC2A}
GBCC	Hollywood 47	{CC43E8F7-EDC8-4DDB-9679-F0BFAC932DAA}
GBCC	Hollywood 48	{CD9DD127-B0C3-4E1F-B8F3-498AEAB1DA03}
GBCC	Pond	{1322457A-0ACF-41A0-A134-13B8B7A01E9E}
GBCC	Dayton	{710EF529-15BC-4A43-AB0E-B67898F0A2DE}
GBCC	Derby	{045F8453-0B05-44E3-B703-D97FF396F6F2}
GBCC	Rockhead 2	{A67B0C96-6559-430D-9B0A-AAB5DB280D3A}
GBCC	Block	{F67C1590-735A-40DA-9477-2C380ABE1793}
GBCC	Fox	{09A36168-B7C7-4388-9444-2B6F470DCDF6}
GBCC	USA	{7C02C2B1-2405-4BF3-9DEC-DB4CF05A4D8F}
GBCC	Wilder	{5CFBDE78-52B3-4A38-BFEE-5D42F2369A6D}
GBCC	Rodeo 2	{4BED8B4F-4E44-456B-A05A-36D168D50E69}
GBCC	AMARGOSA NARROW	{DB917596-3536-4009-8ABC-E070AE937DD3}
GBCC	North Creek	{3657CECE-C9DB-4455-854F-7DC0E9455833}
GBCC	Horse	{CCB6D471-BECC-4C8F-8E2B-22CDC21CDDD4}
GBCC	Sheldon	{278D9E3D-C727-4F90-9B97-277F182602BA}
GBCC	Mustang	{15A26866-0EB3-4AD7-8F24-FD8975115D98}
GBCC	Highway 140 MM 55.5	{53DA15FB-16F9-4654-B7A6-01B6BADE443A}
GBCC	Boulevard	{7D2E6943-5B75-4A9A-BF67-E8AC2E4A74B8}
GBCC	Field	{AAFDEC24-F1FE-4C3D-AE01-6F40FB5BEB92}
ONCC	VILLAGE	{254F3CB6-A2AC-4229-9FF4-50B5D5B8E145}
ONCC	VILLAGE	{FA25F197-121D-43F4-87D6-EED59DABA43D}
GBCC	Marmac	{F268514E-D287-463C-8AF9-BA0F5CF877D9}
GBCC	Smith	{8584F505-FA65-45E0-9A20-38214EED3EBA}
GBCC	Marble	{263B8CB6-6FAE-43DB-9AB4-F1345FF89E09}
GBCC	Frontage	{D5AD91A8-DB17-4FC7-AC3E-AB1FCAB4F136}
GBCC	Mountain View	{4FC08ABD-604F-43AF-A1AE-DB897F11CD5D}
GBCC	Pivot	{DA3E464B-0788-4DBF-A2A1-15A530DDE7B1}
GBCC	Hubbard	{DD80E668-7D51-4A1A-86E6-13A38D20C332}
GBCC	Kathy	{D0651A09-9F3F-48CA-ADCE-84393589A3DE}
GBCC	Windy Hill	{7CFEDFD3-E46A-49A2-A0B3-355025D61E78}
GBCC	Winnemucca Ranch	{35546F71-9D3D-4282-AAB6-0FEB6DE53634}
GBCC	Tunnel	{66C65220-029D-496B-A79F-22A2A6DEE362}
GBCC	SR 400 MM2	{C62146CB-0514-4949-9902-EE53ADF9F0EF}
GBCC	Connors	{6240A4F8-ED9D-4407-9A0F-56CA399F6707}
GBCC	MM 44	{160166EA-D1A7-4739-826A-862D28C21195}

GBCC	HARRIS	{3C804F23-E3A3-426F-93F2-199231BF18C0}
GBCC	Warm Springs	{9CFC8364-4662-4220-ACF1-84F5614997BD}
GBCC	Collins	{6E9B3B0C-0641-4B30-8244-B550BC29A2CB}
GBCC	Hungry	{2CCB72FD-DC24-44B1-BF3B-684FEF949EAC}
GBCC	Rose	{1394F249-3C90-4A3A-BF8F-81A3714918E9}
GBCC	Nat Out Seven	{99730257-CB88-490F-81EA-9164752F2301}
GBCC	MILE MARKER 116	{086D21AA-0136-4B72-B495-61AC81C1121D}
GBCC	MILE MARKER 12	{AC5262E0-3C4C-416F-A535-327D65291089}
GBCC	CALICO	{9D9C4B79-2C32-4ACC-B359-28F3A273CD88}
GBCC	Patterson	{7348A5E6-E241-4C62-8261-9E98D1D3A210}
GBCC	BIG TIMBER	{7FEBC89C-CE01-436D-9B1A-899B0B3086F6}
GBCC	Lupine	{F80284B5-15B5-4F25-8847-881307D010BA}
GBCC	White Rock	{F87C5954-DDA8-464B-8687-D29B8F4CB45E}
GBCC	Lonely	{D5C474D3-B5EC-416C-B9BB-6CB7FB66E863}
GBCC	Leach	{814421F6-C275-4A7C-8223-71A28C55FA13}
GBCC	Nat Out Eight	{CA3756A4-411D-4DF2-BA86-134476F7F199}
GBCC	Century	{89EB0A81-A495-413D-9BCD-E967B4865486}
GBCC	Potbelly	{E792A2BB-44A3-4919-A954-EAA65AA620FD}
GBCC	WHEELER	{3D20B121-AF6B-4FED-B7F4-2A17FA0D2FCE}
GBCC	Spring Valley	{5A9C95C5-6DA9-4522-A624-4F90A5A91E87}
GBCC	Hawk	{5D2B9438-71B3-4AF8-BC7B-FBB78B0A1CD1}
GBCC	Little Table	{EBFA817F-CDF0-4F4D-98D9-86462ACC185F}
GBCC	Wagon Wheel	{5A985DB7-C85F-4886-B1C0-4DF4204DF197}
ONCC	S-1 CROOKS	{2726CFA6-8AD6-48D3-8F96-3C59F0340104}
ONCC	S-2 BARREL	{99312781-8A88-44F8-8AC9-FEBA7C6B0AF4}
GBCC	Roberts Creek	{489D7962-645C-4DDA-B5D8-F39345409471}
ONCC	S-3 GLENCO	{28815A89-2DB7-443E-AE05-440AD92E4814}
ONCC	S-4 TONEY	{A74E8FBD-E943-4810-9FD5-935DCE923605}
GBCC	Spruce	{297A1666-20BF-4D42-AD08-157B01D09AB7}
GBCC	Lone Butte	{3A2060B0-C5C7-434B-9912-65B87CE37E21}
GBCC	Codr	{CF3087B4-F691-48F5-A8DC-725A0C0A4989}
GBCC	Hilltop	{9B43F802-2A77-4B09-AAC0-9ECC26B95C88}
GBCC	Mill Creek	{26295E91-461D-4490-8186-BCEF769A92E4}
GBCC	Nordyke	{EC50F549-D0E1-4594-AA21-10AB83CFC917}
GBCC	Burnt	{7489021C-8513-4181-901C-9C1ECF07A657}
GBCC	Nat Out Nine	{CC29F594-6349-49F1-B57C-FAE80CEB3F19}
GBCC	Nat Out Ten	{2EA41081-7E49-4564-AACC-A4CAD68F768E}
NWCC	Coleman	{6FB81318-7A46-4BD7-90A2-B353C38A1F1C}
GBCC	Maude Canyon	{9508C787-C01C-4984-AE0C-5FAC0726FD84}
GBCC	Pyramid Peak	{12E90E60-8D67-4BBF-9B1C-A255BFC7FE6C}
GBCC	Alexander	{8090F4B8-487D-4AEE-ABFA-FE07DFB5E47F}
GBCC	Cooper Wash	{490ECF5C-E57F-432E-A3A9-04D16B2807D5}
GBCC	Willow	{490BD203-4888-4976-895E-383DA120507C}
GBCC	Red Buttes	{E79DD41D-A797-449A-94D5-D5FDF5162E15}

GBCC	Willow Springs	{B724DE8B-2963-434C-A3C6-70875660BBD3}
GBCC	Cooper Canyon	{677EB662-644A-4CEC-AC40-14285100F258}
GBCC	Freya	{B56A22D1-460E-4E17-A830-A3D89C40D97F}
GBCC	Shingle Pass	{2CAF0CD2-5EC4-489E-B92C-28044EA98A5F}
GBCC	Division Canyon	{BCC3F6A4-5238-468F-8FCC-DFE14CCA733A}
GBCC	English	{331A0030-9D9B-43C5-B70D-D432878B1C4C}
GBCC	Kinsley	{7E60FC02-31FB-4AB6-BB8C-93634FC2151A}
GBCC	State	{1C36FA25-AC4E-4232-847C-28D9FC2EBB77}
GBCC	Draw	{4ED0F53F-04C5-4062-9580-791E5C96524D}
GBCC	SHEEP	{642F7BFD-C12C-4A22-907C-7B3E9804FE91}
GBCC	Red Pepper	{8238729A-A627-4308-851E-AC33B67A04D3}
GBCC	MCCULLOUGH	{F5803DE6-1B54-4CD1-AA88-8C586C74858A}
GBCC	Nat Out Twelve	{BBFBFA6B-5D43-4A12-99D2-84725DBA9B96}
GBCC	Nat Out Eleven	{DBD594D8-B8AB-4AFC-91F8-9D27D65E64FE}
GBCC	Nat Out Thirteen	{6FACBF86-6978-4A6C-B1BC-7B76C6E44432}
GBCC	Nat Out Fourteen	{AB7518D3-9DDA-45BB-B8A2-11489382E05D}
GBCC	Illinois	{DFB1B2D3-7EC8-4947-BD92-00C463172AAA}
GBCC	Springs	{E4A1FD68-5AC8-473F-9BBC-9C560A19A69F}
GBCC	Gum Hill	{2CD536BE-DC75-4F55-80A9-1ED218FAADB8}
GBCC	Metropolis	{1728AABD-D7AE-48CF-9A59-664CA0249C01}
GBCC	Grand	{594A0C01-71F6-4E63-86C4-A6C234D232E1}
ONCC	S-5 MOSQUITO	{6FA0DE52-8ED3-4517-B885-A25A690DEC6C}
ONCC	S-6 LONG	{377A2DB1-6F7A-45A7-922A-B855B7105D2C}
GBCC	BORDER GROVE	{451B91D2-1355-4780-B19E-74D51DCB5D60}
GBCC	Pah Rah	{DF0172DE-4EE4-4884-828B-78E7E08C4DB6}
GBCC	Clark	{21A46E1C-0391-4D18-B9ED-EFA550606C7B}
GBCC	MT. STIRLING	{19DBBCA1-F8B5-46CB-8A1D-B69B06DB1C0C}
GBCC	Sunrise	{F565580E-5028-4DDD-92C4-F51172138E02}
GBCC	Buffalo	{AA5B43D3-76D0-40F2-BB92-6CCDCE1DF543}
GBCC	Whisky Canyon	{237D0888-2529-4AEB-B954-186995655437}
GBCC	Fish Springs	{E0F80FD7-60E0-4FD5-A6A3-4FABDE6453ED}
GBCC	Badger	{186A2068-2FAA-4949-8EA1-2B9E0E244125}
GBCC	Dun Glen Flat	{D54E53DE-8FB6-4827-BFA3-F7344F37F417}
GBCC	Dun Glen	{FCEA915F-F801-4F94-974C-171F2ADE916B}
GBCC	Jungo MM 9	{B2E05F04-F3BE-4B0E-A3BB-97F646AA4943}
GBCC	Jungo MM 9A	{3FB68628-77B5-4605-B1B1-2CBB576FC542}
GBCC	RANGE 19	{8A4C3EA0-58B3-4EF1-B1DB-EA7238E32EF7}
GBCC	Eagle	{8794FBED-0CF5-4444-AEF3-5D7B95B26537}
GBCC	Well Hills	{C5EB9FC8-9795-4A99-98FA-3BBA63F36178}
ONCC	S - 7 GRAVELLY	{9C359A47-858E-473C-B98E-9856B3DE2B46}
GBCC	Imlay Canyon	{82414B59-55A0-438A-96D7-4ED5FE5C1801}
GBCC	Harvey	{AB51483E-E01F-4D8E-B330-4EECA1362ADF}
GBCC	Mass	{B2C6CFC8-FEFA-40B7-82D6-4454BF564990}
ONCC	R-5 BUFFALO	{BA732D8A-F2A1-4780-9B85-70817684EA70}

GBCC	Shoshone	{C6296768-9E4A-4D60-8F28-DB5202E50CCD}
ONCC	R-7 TWIN	{113FE128-9694-461E-9C84-A29C00450442}
GBCC	Stockade Canyon	{CF39B480-08A9-4A22-84AB-A95D93276941}
GBCC	Nat Out Fifteen	{E5C6BD24-2C5F-4DDC-9207-A8AC284A2D34}
GBCC	Highline	{0885C8C6-7F78-4284-BE51-F8265E8AD4EA}
GBCC	Siegal	{84D43270-D9EB-4263-A903-ADE18C1DD2DF}
GBCC	SANDY VALLEY 3	{C86D9F0A-2A6A-4A4A-9664-DED87FCCD934}
GBCC	South Highline	{3CA2C55A-7B1A-429E-9DD7-B3CE7AC09806}
GBCC	Atlanta	{DAC0ABB3-E60D-4150-AC2A-8BA0366B1A9F}
GBCC	Pine Creek	{0C60F267-73FC-46D4-92A9-D23E2047DFF9}
GBCC	TwentySix	{D3510F3C-633E-4F4F-B3BE-D68ADEB9AE39}
GBCC	Sterritt Peak	{737329BA-2C87-4D04-81AF-3814D9CB05B6}
GBCC	Skull Creek	{261A8906-5E08-4BDF-9AB3-B945E386E3C4}
GBCC	Able Flat	{D66CC2DE-F366-4B6F-B63C-DE23F0790EE1}
GBCC	LONG	{D9EABB62-AF41-4BAD-8376-54FC791E6701}
GBCC	Cormier	{E9D2E979-ECC8-48E5-89C6-6E9FB70DEDA4}
GBCC	Dome	{C4E78790-B361-4ACD-8BA5-003D56B6BA83}
GBCC	Market	{F517EA4E-5627-456E-8DA2-7418F3A0CC1C}
GBCC	Grassy	{ECD2E44A-14E7-4753-A231-665AEA0E2353}
GBCC	Pilot	{6EE831F8-FF26-4046-9ACF-3EC953526D16}
GBCC	Sidehill	{2758BC3F-A988-4486-B81D-4F96C71519EE}
GBCC	McClure	{2F3B1986-A6C9-4C71-8782-DF0A053F9964}
GBCC	Chancy	{A5A911EB-0673-43B3-A501-08C98EE72A0A}
GBCC	Modoc Peak	{C183C093-DDAC-4162-A05F-71BB828092A2}
GBCC	APACHE 4	{DE665620-CF96-472A-A194-C5C20F7338D8}
GBCC	APACHE 6	{F4F194D2-8925-4B25-AA8D-AA0A7E9330FC}
GBCC	APACHE 2	{7FFC99EB-3AF7-4446-9BAD-26B6E82492C3}
GBCC	APACHE 8	{02AE89E2-D094-401F-9272-B2A515774650}
GBCC	APACHE 5	{F97B784D-B70A-42DC-AAC3-CD9ECF14F51B}
GBCC	APACHE 7	{74E3ED11-FCF2-4547-B3F6-8AEDE4A611FE}
GBCC	APACHE 3	{B5A9740A-818B-434A-9D2C-1B3E5B51AFEA}
GBCC	APACHE	{CC419872-DF15-48DF-84EB-CD328259AE90}
GBCC	Town Creek	{76E8A395-C679-4C75-93E1-05B17E93C51F}
GBCC	DEADHORSE	{BB88C331-521F-4153-9B68-8BFFF3CDE23D}
GBCC	Whittaker Ranch	{BA438B49-E904-4A35-8A2E-5FDCB149ED6C}
GBCC	Bailey Springs	{A7A4AA75-DE40-40B2-9527-C1D0B3359A5D}
GBCC	Smith	{6B59B480-262A-4D2D-9A14-079EE33B2D27}
GBCC	Devils Creek	{DE1B233E-BAF6-490C-87F5-C0CEFDF3B030}
GBCC	McGuffey	{29A6BA28-64F5-4D1F-87DC-82B6B22A77C8}
GBCC	Hot Springs	{65F19490-8FE0-459A-8B50-B49D4D88269B}
GBCC	Red Wash	{B554D342-85A3-4322-B061-448A43526924}
GBCC	Laca	{AF5B37C4-09CD-4E19-B639-7D8C16BF7A9E}
GBCC	McQueen Flats	{6057B32A-6922-40D7-9CC9-745D4C8FD6F3}
GBCC	Taylor	{321B12A9-6ADD-4F70-B960-145E611DF3C3}

GBCC	Pigeon	{C4638E5A-BC65-4DDB-8664-B359460636C3}
GBCC	FROZEN TOE 2	{84B55DD3-6930-433B-B4F7-B743C397DFD5}
GBCC	FROZEN TOE 3	{9A812329-4D85-4411-88F1-8D8F29D0D47E}
GBCC	FROZEN TOE 4	{BC8525E2-7E1C-46B0-8216-F71688DE7167}
GBCC	SUNSET 2	{F96C254E-E692-4D86-9BF1-6B98D2D3D2EA}
GBCC	I-80 MM 190	{E5F732EE-62AD-475A-9C1E-9429A90FCCA5}
GBCC	Statice	{4B927577-000A-40AF-BAD7-CAAC1575D244}
GBCC	Broom Canyon	{C097A1D3-3F1B-4F43-8BED-1F56C882FC51}
GBCC	AVALANCHE	{EEC28237-ABA0-401E-A652-AED50A7CC619}
GBCC	San Jacinto	{33653F93-0404-4A9C-AAFE-2F56F6D4978A}
GBCC	11th Street	{B440EA15-0C3A-4828-9246-AA9C74301D96}
GBCC	SANDY VALLEY 4	{4CAFADBC-5D0C-48BA-83FC-5A93D09587D8}
GBCC	ARDEN	{594A72C6-EFBA-460D-96BA-57A753F63B6E}
GBCC	McConnell	{641EEBE8-10D3-4F57-AFAD-D8A3F9DC4830}
GBCC	East Valley 2	{4E400210-09EF-4C82-B1E3-8704FDFE45EA}
GBCC	Miller Springs	{9B10C596-079F-4E21-9D13-E825D89B0E65}
GBCC	Buttes	{FFF78DFF-BD00-4A6D-B9F3-9B4045FAFB61}
GBCC	Stagecoach	{65FB00E5-30C7-47A7-BEAF-1E3573D11EC9}
GBCC	Horsethief	{75F7EFFF-72BC-46C0-8F11-A70ED724BD7C}
GBCC	Red	{6514A92B-9BE2-4AF6-9223-787381E7DAD6}
GBCC	Red Three	{E7065DEA-C179-4E76-9503-FE243545B1DE}
ONCC	S-1 COW	{8FC3EB62-85BC-417B-AF45-7C36B1A0B7F5}
GBCC	Red Two	{5116FF52-4ADB-4068-B724-BD5642087F0E}
GBCC	Delmue	{EB9591B3-7787-464A-9E66-C5464D508BD2}
ONCC	S-2 HOLY	{1526531D-9EC3-4A25-80AD-72DE3BC8C367}
GBCC	Horsethief Two	{7740A85E-2754-47ED-BDC9-E63578E79064}
GBCC	Vark	{740916BB-5CA6-409C-9971-8475FF28E044}
GBCC	Eden creek	{1A263B06-105D-4F02-B0EA-7BC346491C57}
GBCC	Hot Springs	{EFCE56E3-BD44-45F9-AF85-3D9241958972}
GBCC	Snow Drift	{0FF7FF18-FA97-4B71-AD48-25A28BEA6AA4}
ONCC	S-4 HORSE	{B0111360-C88A-4429-9CA3-ADB2A43829AF}
GBCC	Monte Neva	{8C7D00ED-F097-465F-9ED4-C359F3E0BF0F}
GBCC	Charlie	{C2056765-164D-476F-A896-DD806F3A5E35}
GBCC	Lexington	{72578E79-EE40-42D4-8386-EBC4BE910C58}
GBCC	Slavin	{0B32F5BA-E6CE-407B-A844-CC59C8702710}
GBCC	Scott Springs	{6DAEF4F6-5A80-4AF1-A7F4-BA78F1A8D7B2}
GBCC	HWY 95 MM53	{36506FBB-0C65-4D70-852B-08BFD03F92FF}
ONCC	S-5 BUCK	{93D287D5-44E7-48C8-B00A-51CFB3A9D5F1}
GBCC	Dobby	{9B33BC02-E263-4CA8-834B-BF600289D221}
GBCC	Quartz Springs	{2D02B3D6-7D97-4F64-B9DE-C3B8BC450CC7}
GBCC	Klondike	{FE7BF4F0-5F6F-43E4-BAA9-B36F5D6D5613}
GBCC	Mono Basin	{F3D499E3-9451-4FE2-B191-3A10905EF502}
ONCC	GRAVELY	{514537DA-4461-4042-AA10-D2E28E993FD8}
GBCC	Cowboy Rest	{1E8F8C31-6657-4485-B8E5-EAD101014B65}

GBCC	Canyon	{BF5239B9-15BE-40E5-B710-E7A05CB344CE}
GBCC	Ione	{BED6FDD0-3E39-4FE2-BCE8-A35316216206}
OSCC	TRUMAN	{AED374C7-E1C6-4679-B9ED-BBFCAE538480}
GBCC	Big Wash	{E1E8A6D0-9933-4B15-82CB-8914715D35BA}
GBCC	Alpha	{8439002D-A794-42C6-A4B1-E2D51B6D8328}
GBCC	Nat Out Sixteen	{A8A09B7E-E518-4367-83DD-9C8E74334D24}
GBCC	Montello	{A172E3F3-C842-4411-A65B-418189D745B6}
GBCC	SPRINGS	{9023A894-A2AE-47E0-887E-C65FE91AE5FB}
GBCC	Clonch Canyon	{0D5D9534-7D97-4DA0-808C-3170E9137328}
GBCC	WETLANDS 2	{1E5EC833-C258-4FC8-9EF0-3C4DF53A34E6}
GBCC	Taft	{ABB87A34-312D-46FB-B99A-534F48137663}
GBCC	Holiday	{5BFAEEC9-C5BE-4BA5-BB4F-817F8AB3B6C9}
GBCC	Nat Out Seventeen	{9BA2D32A-3E15-41B7-894D-DB95C290E47F}
GBCC	Lien Draw	{E2E933E7-473F-48C6-82B4-5FE7008BB9D9}
GBCC	WILSON 1	{FA2B9E83-2BFA-40EC-920D-76396BDF7215}
GBCC	WETLANDS 3	{1B8EC82E-B5E2-48C8-A12C-B5FA55058B90}
GBCC	WETLANDS 4	{B9F34ACA-2F19-4A4E-A9B9-2B2FE79C0B1F}
GBCC	Wildhorse	{28F5EF19-8DD8-4A35-A970-C6EA3938EC53}
GBCC	Lion	{C7F74299-E247-4579-BBCB-5847C658FD80}
GBCC	TROUGH SPRING	{5E9DC6E4-BA3C-41E3-958A-C97243D02714}
GBCC	WILSON 2	{82836516-039D-4379-B02D-7C2030E0010A}
GBCC	Robinson Well	{A40596B7-EDAC-4B4C-B5D4-B548FC54E92B}
GBCC	JAYBIRD	{83B71EF3-3D1C-4BD7-8BE2-0D79A6D4171C}
GBCC	LA MADRE	{1578F49D-F636-4B9E-8CB5-BA75BB3BC51A}
GBCC	White Sage	{CA377292-C466-4F54-BE45-CCE83ECFD8A5}
GBCC	Wash	{C7161598-5E02-4096-8617-C36A78D2CD6F}
GBCC	Airport 2	{BD69BDE2-7CC4-4CF2-9F8C-27A0E719C4EC}
GBCC	Gold Ranch	{74FA0388-1382-4D88-BBC6-27B0B431B24D}
GBCC	LIGHTWEIGHT	{EBD41FA2-6486-4F06-9C93-C4B24EB74FD9}
GBCC	LAS VEGAS BLVD	{916E1E70-3BC4-4B6D-8A22-0C451755FF20}
GBCC	Bourbon	{BD47C853-778C-451F-83AE-1F6F85F9A109}
GBCC	Uvada	{CC697E16-C6E5-4909-9352-9D38CE2620D5}
GBCC	CLARK SPRING	{8B8CAD45-5F51-4119-8834-7E2DB417697C}
GBCC	Silver Zone	{CD7FB934-1183-49C3-9838-ECA74570A742}
GBCC	COTTONWOOD RD	{C061D319-F4DC-44AB-BDAA-8D709D6F3F7B}
GBCC	Silver	{E450810D-8B9A-4003-8081-CB235E68E390}
GBCC	Iowa	{C6D97120-4DEB-459F-ABE5-F48A04348E96}
GBCC	Echo	{5E64CE0F-48B7-4948-A607-638BD1B7D23E}
GBCC	Pete's Tank	{6F4BCE9F-21EB-460D-A9B1-19DD0027F27F}
GBCC	Gleason Two	{735F7CE7-3577-4A0D-945A-76C2708F7E62}
GBCC	Bristol	{8E5A61A5-71EF-44AB-BE2C-6FBF413E8FDC}
GBCC	Echo Two	{FCFACC20-6839-49C3-906B-CA1C5CDDE4D0}
GBCC	Six Mile	{4C06A5F0-9A58-4BCD-A8A7-293F8B3A8A4A}
GBCC	Highland Knolls	{3A1B4C92-09BF-4BDA-999E-518DFF807C22}

GBCC	Cedar	{2428B1B7-4AC4-4A87-B706-292F84DE6154}
GBCC	Dooly	{0670EE91-AE1E-4B75-8147-2A2678779428}
GBCC	Pass	{D64071F8-EC9E-4AA6-81B0-EA3528A2B97E}
GBCC	Diamond	{33639EC4-E0E4-43FA-9577-ABD24123D150}
GBCC	Antelope	{E4D89295-15CD-468F-82CC-82367E6A318F}
GBCC	Lee	{D6700BE0-E08C-425F-9161-90AC15FC1C76}
GBCC	Pony	{39A72AC0-0D91-483C-BE3B-DA6EBC178275}
GBCC	Army	{0F51BC4D-78E4-4BF6-8AAF-07B1409D26C5}
GBCC	Garden	{9853D997-9955-4473-8225-BDBEC4E8E157}
GBCC	Range	{D448D058-A7EB-4E76-8DF7-F9D63F4F283B}
GBCC	Dark	{49C0CBAA-5AEF-4095-945E-556C05010DBA}
GBCC	Burnt	{8092D66E-433F-4356-81DF-1A3C4FAB8A2A}
GBCC	Greencrest	{908B1DFA-6AA3-4552-B2DF-2164EC193B31}
GBCC	C4	{709BB5A9-ECB1-423C-9463-F1A70959D1FD}
GBCC	Indian Wells	{8C0B18AF-C795-4A3F-9940-1BB01D83467E}
GBCC	Blade	{F7269CBA-1028-4B67-B180-143A327129C8}
GBCC	Hobson	{FA1CB6CB-D2AC-4F07-BE04-E809AE72BCEA}
GBCC	Silver King Pass	{DC3F5D48-A8BD-4D5E-BCE9-EA2102A60062}
GBCC	Youngberg	{FFCF7017-F934-4143-9492-438E1B4222D1}
GBCC	Bailey	{9D358D2C-AFAA-447D-9CBC-990468AD561E}
GBCC	Nat Out Eighteen	{27DE20A5-51E8-4D49-A102-5C722A6DF728}
GBCC	Ursine	{90BF20BB-7F9A-477B-9815-AA83FA50264D}
GBCC	Nat Out Nineteen	{B361AC97-201C-429D-920C-402C3320D3A1}
GBCC	LAUGHLIN CASINO DR	{33920E78-661E-4AAD-8C48-A72C55B4309B}
GBCC	Twenty One Mile	{CD88EB13-FB8C-46A0-A0D4-541F8BC08F2D}
GBCC	Huntington	{6E88316E-0BFB-4A26-9010-E19640B5E385}
GBCC	Raglan	{1995E609-7BC7-4540-8409-89B280A3751E}
GBCC	Taylor	{189FB9D0-1901-45D1-9683-48BE4B21A0CA}
GBCC	Nine Mile	{3006AC80-5ACF-4BA2-B3B0-4ED2952F67E1}
GBCC	FLAT	{CFAB1AFB-0C93-4F1D-B871-47C9154B555C}
GBCC	Granite	{454BE3CB-D52A-4BC3-AB2E-9D9E17D9E2C9}
GBCC	Grassy Mountain	{4EEA4144-4EC8-4869-AF03-C8107F2ED2F7}
GBCC	Mitten	{F074DB74-E8D1-4C9E-9DCC-E1DFF06D0BB1}
GBCC	Fairview	{74E1A932-DD98-4120-8280-7A7FDA415F54}
GBCC	Parsnip	{FE8C4077-6A36-4133-BF4E-0D0EE05C6FDA}
GBCC	RANGE 77	{812F421B-49C6-405C-97F0-685954C0F9DC}
GBCC	Allen Road	{24D76F86-DF3D-48D9-8D28-663E7652AE40}
GBCC	Nat Out Twenty	{2A982A6B-FB9B-42EC-BF03-BE84BFD212B9}
GBCC	Chokecherry	{5B91F35A-D383-4C50-A767-BE3314C492CD}
GBCC	Tiffany	{E025377B-7F8C-4575-B5F8-77187B888EF8}
GBCC	RATTLESNAKE	{C4883EA6-04E2-4AED-B1F4-A98D64F594DD}
GBCC	RATTLESNAKE 2	{67C11889-ED22-4994-9540-604F56A14A00}
GBCC	Roe Peak	{74FB9201-5CAA-48C7-9F9D-5DDAD8826013}
GBCC	Hey	{8E6417C2-D3DD-433E-88AC-24A40FC9FD59}

GBCC	Arrow Creek	{127C89FB-7819-4EB5-9203-08B414B19985}
GBCC	Connors Canyon	{4D30D3D7-C0A5-401E-9600-431B25705603}
GBCC	John Henry Wash	{65309647-22FF-48BC-B409-8518CF28F95A}
GBCC	Kirkeby Knoll	{A41E03C0-D7D1-4B91-9063-225F7C361EAB}
GBCC	Ranch Road	{6EFAAC04-1D4E-4642-B708-E845ECC2D94B}
GBCC	Cooper	{A9299E57-A17E-4411-9AF3-6286FE46C7F9}
GBCC	Nat Out Twenty Two	{2DD1D4B6-98C1-412B-82FA-5BAD399977BF}
GBCC	Nat Out Twenty One	{3B8C7E58-9EBB-439D-832A-F8A4FFDB41DE}
GBCC	SLOAN	{4CBC6F17-B740-45B8-9920-DF296BDBF258}
GBCC	Warrior Point	{AEF5EED5-35C8-4BA0-873B-9BFDAB21C4ED}
GBCC	I-80 MM 116	{9AE94995-E226-4440-8AC5-7B89AE170517}
GBCC	SILENT CANYON	{CC8FACE9-A37E-46CB-A22B-89FBB0FED5AD}
GBCC	Petersons	{66F1A9B6-C94E-4801-B711-9ED51DC84A56}
GBCC	Nat Out Twenty Three	{DD2E7977-BA92-42F7-9343-E89962B3F425}
GBCC	Emigrant	{3F1DC7D6-B63B-4E3E-93E4-555FC72D5969}
GBCC	Ballpark	{7446F1C5-3946-4B8E-8C10-8CEF9A23789A}
GBCC	HWY 50 MM 4	{AA6526B3-6511-4D8F-9963-970DBBC063FA}
GBCC	Dune	{A338956A-51DA-4BE6-BC60-902CA416C8A0}
GBCC	Ryndon	{D6628A5E-3B2A-4077-A05D-A6F55141C548}
GBCC	Triple Play	{A49B95DA-A278-42B9-B921-A198612C0CA8}
GBCC	Paradise Hill	{4ECF15C6-FEF2-42F5-B0D0-522AD490EFD0}
GBCC	Nordyke 2	{088A0CB5-5F90-4D6D-80E9-E83EE05CF1D0}
GBCC	Henry Springs	{43DB9155-22A0-4725-99D2-F2CDCE19F358}
GBCC	Big Rocks	{871DA113-0EF0-4337-83EE-0176D344BF7D}
GBCC	Dean Ranch	{0D21848E-8878-4244-B00B-B63069D0AAED}
GBCC	Cleve Creek	{9CB4D079-7AD1-4F9E-B31C-C749000953E0}
GBCC	Hanson	{7ED0611C-D8A3-49EB-8A9D-8FA4202E0478}
GBCC	Loray	{A0206EE5-6780-4C57-9C48-C7E006A442E2}
GBCC	September	{EA8C9488-9EAC-4A21-8534-562F88CE37BA}
GBCC	O'Neil	{7F69AD06-75B8-4DA8-864E-03B5B685B232}
GBCC	Wambolt Creek	{3509A7D7-D8C9-4AE5-8D22-C76B9B8DA049}
GBCC	Preston	{EE76479C-C797-4CBA-B5FF-B5DB5C68E9E1}
GBCC	Lake Mountain	{A6A59CB2-84DA-4E26-B50A-02BC93AAFBA2}
GBCC	Rocky	{B4684C7D-CF48-4E16-A404-E7B40B3DB639}
GBCC	Palomino	{564DDB71-8A0C-4805-9771-B2919259FD1D}
GBCC	TwentyFour	{F65F55A8-E226-4D56-906A-9FC01D68BF09}
GBCC	SLOAN CANYON	{74A13BA6-9F16-4EDC-9604-6360926155A6}
GBCC	Panaca Summit	{28F99018-4A04-4B41-89AB-038145573376}
GBCC	Alligator	{2D20EB1E-CC28-4554-B74F-B660E0F92018}
GBCC	Six Mile	{91C771A2-4170-4EF9-B62E-4F1AC8B7419B}
GBCC	NORTH ROAD	{783DE36F-3AB8-4997-B181-F2027D47EE4F}
GBCC	HWY95 MM28	{695786B1-6389-4678-87EC-0F7F359EAFB9}
GBCC	Rocky 3	{A93D2DF4-3331-4E19-9BB4-AC046D452B5A}
GBCC	Rocky 2	{809942E8-33A5-4928-BC40-7B8BCFBA0E96}

GBCC	Strike Out	{F347C668-2073-4E12-9200-28D2A25D4528}
GBCC	Tunnel	{C36E9E34-27ED-4FAD-A6B0-2634D65B3677}
GBCC	Quinn	{F303575E-E749-46B9-8A75-87D0DBFA51B0}
GBCC	Quinn 2	{F15BE497-D524-4593-9E6E-BFDB403E4025}
GBCC	Quinn 3	{5B2F9461-B39E-4DE2-8359-E529B30BA86F}
GBCC	Quinn 4	{9B0265B8-4B70-479A-A0FD-5467590774BD}
GBCC	Eastlake	{D8DCE5EC-1620-400E-9590-2E0F93FA66C6}
GBCC	School	{2E995FFA-CACB-4A0A-9F6A-0CDF6E4CB960}
GBCC	Davis	{98194093-088B-4C62-AA32-9C215853F039}
GBCC	Express	{40C5A6BD-B872-4476-9BD6-A8CA4A8C3B7C}
GBCC	HWY 160 MM 17	{258C2BB4-01AE-49E7-A746-5E863EC0FFB7}
GBCC	Railroad 2	{8A9C86D2-E874-4774-AE3C-E2980AA5FD56}
GBCC	Canyon Ranch	{6CD20F84-7141-46F6-827B-F6B1E73DC065}
GBCC	Stack	{5534F931-B3A9-435A-A0AD-4FBFCB0718B0}
GBCC	BIRD SPRINGS 2	{C95AB9B5-9B17-4600-80DC-A3E02A4FBFC9}
GBCC	Sheep Springs	{B26DBC58-7DE0-4B11-BC6E-3E9E07DB4DC5}
GBCC	Cougar	{3CFEED96-7A7A-42A8-8837-07DB5CAAB762}
GBCC	Step	{BA8F5C63-088F-4B4C-96C4-5F842B156D07}
GBCC	Swales	{BC82900B-5D5D-4776-BC25-AA60161C9941}
GBCC	Giants Grave	{36E953BE-4879-4D2A-AC81-C9BFD499C293}
GBCC	Stampede	{3FBF750A-2B88-4B1F-B8D0-AC667A0CEF02}
GBCC	Manhattan	{4DC0C6D1-80B9-4B05-A364-EE0B92F67D96}
GBCC	MAGNOLIA	{F5AD0DF1-3016-421B-9CAA-A1A1A3292C5A}
GBCC	MAGNOLIA 2	{C07B3D5F-3538-490D-A29E-AF2410934E2D}
GBCC	SLOAN CANYON 2	{518C2E8A-E1D8-4F60-BA1C-C1E419668F6C}
GBCC	Zuni	{EE9CE4FF-CD03-4FCE-A71F-EEF904320E3E}
GBCC	Sugar	{B53FA419-B811-426C-BF6A-0BA2969A0EE3}
GBCC	Wellington	{981F56C9-EC67-402C-AA10-DB3FECA2B580}
GBCC	Nelson	{8CB8EA23-9470-4E7A-A0C1-4AD8EBDBFF66}
GBCC	Gold	{403DCB9C-D7A4-4658-A437-B7C1674F6661}
GBCC	MULE SPRINGS 2	{231DE19D-7D3A-4420-B3E1-0FEFA11F066C}
GBCC	Painted Rock	{197EC9FF-309A-4D3F-ABA7-15A06C2928D2}
GBCC	GOMER	{7FFFA2FC-0E38-492F-A91A-B44BC11EB4E7}
GBCC	LA MADRE 2	{E21D98F0-8651-4840-8D08-2E2C1E163C1D}
GBCC	Barrell	{B4F4734E-0587-46B6-B838-D4991862928E}
GBCC	Finks	{6FEFCF93-25F5-4894-A114-ACF75B1BA55B}
GBCC	Wilkins	{449B34E3-315D-428B-8006-DE76D3805550}
GBCC	Crestline	{7FC3CA9B-F407-4810-B9AD-0B2A087BAC94}
GBCC	SLOAN 2	{BAF78DC5-02F2-42AF-9211-90AF6F4F7AAB}
GBCC	COLD CREEK	{3A4609B5-E625-4B33-BBCA-E303CEF35EA4}
GBCC	Hungry Valley	{AFE00FF8-A9C5-4054-A4CF-035A800935C1}
ONCC	KINGS	{E3478A88-9D03-4293-948C-95DC317B406F}
GBCC	REYNOLDS CREEK	{56FD12E1-D60D-4F85-B171-85FF0DB8AA0F}
GBCC	McHugh	{CB932740-03C5-4362-BD71-C065DC5A135E}

GBCC	CALICO 2	{15893863-F878-4050-9501-CF1A4F03DA00}
GBCC	SLOAN 3	{711D4990-68AD-4A39-BD20-6DC33BDED07F}
GBCC	McIntyre	{CAC5E0C7-4E00-4C3B-9811-9EA638275AA3}
GBCC	Old Jungo	{03880E54-DEBD-4E90-BF08-DD314DDE87D2}
GBCC	Nat Out Twenty Four	{3B00E129-46E7-4395-8EA3-479F4B67597A}
GBCC	COAL SPRINGS RX	{2F2EA968-260A-4A4D-8B29-DBB674562CC3}
GBCC	Right Hand	{C6150229-5C0B-4E70-99A3-E8AA1BBD310E}
GBCC	Lake Valley	{25EA918A-4F61-4529-A36C-0CE0F51182C6}
GBCC	Grand Army	{093247D5-04FB-462D-94F7-4CB0DCFE133B}
GBCC	BRUNTON	{9FE2BB46-998F-40CA-ACFB-30C994DEDEDB}
GBCC	CORN CREEK	{C075968A-A176-4881-8C6E-7067CBCD4B69}
GBCC	ASPEN	{3718D3E1-865B-4806-A449-D62AA4EFAE59}
GBCC	Button	{25BB7F26-BE48-4A28-831D-AFFE5223234D}
GBCC	Rose Bud	{84C1B51B-5D89-4C90-A5E7-3E8CFEFAFBE5}
GBCC	9 MILE	{4A3E08D3-3866-49D1-8490-BB64C66EBE1D}
GBCC	Dunes	{7D0D7248-04E6-4BA9-B428-59E24FA00052}
GBCC	October	{C284D37D-E954-4839-B4CD-2FA83346B442}
GBCC	Tamarack	{FD04D82D-3DF7-4DF7-BDE9-857CABD46349}
GBCC	Double Play	{8F7D929F-4B92-4ED8-9ABE-A5FC783860A9}
GBCC	MILL	{6719446C-C5C4-433B-AFC5-2284472FADB6}
GBCC	Hamilton Stage	{11A35CD0-1FE5-44BF-BD88-AF6BB547DE24}
GBCC	LARKSONG	{985F4701-2D30-4457-9456-4B206DA0A986}
GBCC	I-80 MM 165	{6F1A327B-84FF-42F3-A0EE-4E0AFB97F2F1}
GBCC	First Creek	{1D3B38A1-01AF-415B-BA22-295E2A7C4A09}
GBCC	Merritt	{A8CB81EE-FF43-47F3-97B1-C41739273954}
GBCC	Clover Valley	{31398716-4985-4E88-8838-B8FFBF946755}
GBCC	Sparkler	{28BC7D7D-5FE2-4712-A487-213992835849}
GBCC	Castle Ridge	{B2F85EF1-C688-48BE-8270-8EAFB2D64424}
GBCC	Rest Area	{1E0063D0-3FED-45D9-B589-7D0DDC25E56C}
GBCC	Frontage	{3A5CBD25-BC28-4EB2-9FF1-54B3B1CF11A9}
GBCC	I-80 MM 219	{C05837EA-A827-4130-B040-65EFFD2F5BC9}
GBCC	GYPSUM SPRINGS	{4FE23CC8-8D36-4677-B4F4-B4C1CDEC1F5E}
GBCC	Rosebud	{817FF61B-12EE-4B68-BE01-D0F6AB3D0177}
GBCC	KODACHROME 3	{ED062300-93BD-41BB-B989-5381A7BDF691}
GBCC	Airport Road	{EF838C41-AFC3-4967-B850-F28ECA808427}
GBCC	I-80 MM 164.5	{1CAEA427-F070-4D98-9E31-6FC703E40316}
GBCC	Bliss	{D0866D4F-910A-4907-8311-13907947C5FF}
GBCC	SCOTTIE	{716C3AC5-92DF-4F54-99E5-D4589C968289}
GBCC	Heguy	{41341905-E91B-40A7-AD64-4BD163CF15F1}
GBCC	Pinenut	{53595CBD-85AD-485B-85DE-7EDA64F5D057}
GBCC	Tallgrass	{2E305341-534E-4C3D-82AE-86859FAEF80E}
GBCC	Ninemile	{644D7D2E-0213-4D30-9206-997489F9A193}
GBCC	Valley View	{0940E9B4-2CA2-4C89-BB38-9964A51C5EDF}
GBCC	ROADRUNNER 2	{4F075A3B-A10F-449A-9B48-31523DEC551D}

GBCC	BONNIE SPRINGS	{D9179D04-C1ED-497F-9EF1-E9AE4ACAE5CB}
GBCC	MILE MARKER 22	{41CF8365-32C7-4A21-B7D4-7D5B80E0D5A1}
GBCC	Airport Rd 2	{A7C7DE68-1912-4C2A-B2D1-F5B2236583D7}
GBCC	Quartz	{9C5B1428-B206-41D7-A1CA-6129384C36D5}
GBCC	County Line	{78FF418C-093F-4B4C-8E74-C5981732D846}
GBCC	Lamoille	{CFC0B65F-43B5-430F-83B6-C6E48B1DB79C}
GBCC	Contact	{BD137CBC-6691-4407-A966-193A3A4AE8D1}
GBCC	CRAWDAD	{F7AB0348-D187-4DE0-9FFF-57F14E94BA02}
GBCC	KYLE	{66528FB8-D5F6-418A-9CB6-BA3664509D40}
GBCC	Alpine 2	{ED2D2CC8-AFB9-40A1-ABB3-803850959731}
GBCC	Ruby Lake NWR FY25 RX	{86956CB8-E0D6-4845-984A-CD309639A1E3}
GBCC	Ruby Lake NWR FY25 RX	{9E46FAE5-3FF7-4A19-AD71-A09327E35F11}
GBCC	BOX CAR	{39B34486-A146-4AFD-B8CE-FBCD95066922}
ONCC	2024 AGFO EPOS UNDERSTORY RX	{3315C82E-A03D-4E03-ABE2-0392E46FC103}
GBCC	Ruhenstroth Admin Piles Rx	{76F88F8E-19C8-44D9-BFC7-0F08EFF1B43C}
GBCC	AGAVE	{DE1AB77F-7580-45B0-9F0C-059018C39A06}
GBCC	Katrena	{06C3E394-DDDC-4D00-8A5E-958AE3397B6E}
GBCC	Locke's Pond Unit RX	{B61A0873-709B-4CBA-B4C6-998DCCA6FBE5}
GBCC	HIDDEN SUNSET	{FFAA272D-6B96-4AA2-A6C1-F0DC4E1A83CF}
GBCC	SCENIC	{72CF8D1E-9271-426C-9724-621AED5213AA}
GBCC	Callahan	{F0244724-DF0D-472F-A421-B0584BF70B3C}
GBCC	Fluorspar	{CEBCC1BF-0F54-4708-9B1A-5B40628B0C26}
GBCC	ANNIVERSARY MINE RD 3	{0E61A9BA-1805-4190-8E09-5AC71D83826B}
GBCC	ANNIVERSARY MINE RD	{77813B36-9A62-4FEF-B81E-806234461E96}
GBCC	ANNIVERSARY MINE RD 2	{58AC0882-37ED-46F1-B4C8-E36B71A45B47}
GBCC	SEGO	{CDCDD6B4-910A-4C41-BAEE-C5973CAFC85D}
GBCC	MM 82	{415A0057-4916-4E7D-B9B1-DB0EA35F1D76}
GBCC	HWY 147 MM 13	{9F6AE765-4584-41C3-8911-739A1BCC5168}
GBCC	DUTCHMAN PASS	{0BE4F208-A0A6-47AF-97A5-B9927887CED6}
GBCC	DUTCHMAN PASS 2	{BF9FEE39-7BCF-48CD-98F5-4AD6557EE058}
GBCC	KNIGHT RANCH	{9963B30B-E417-4690-9395-CEB1F30B980C}
GBCC	Lone	{9AD18691-8829-4E4D-9FDE-62861470FF96}
GBCC	WATERTOWER	{85F07B10-07C4-43BF-8553-23E31E523F4B}
GBCC	ESCALADE	{42CF1E05-59DC-423E-BEC1-0D55A9C951CD}
GBCC	LIGHTWEIGHT 2	{72DE2661-519B-46E4-80EB-C0C34BE011E5}
ONCC	KINGSBURY	{587A2C02-A774-4B94-8712-762723316588}
GBCC	SLOAN 4	{FDE027A3-CED6-4DE1-B4FF-21C2058B0D4B}
GBCC	Kings River	{09230ABE-1016-4CF9-88F7-D2A44262FEBA}
GBCC	Five Mile	{2CD25712-B2A9-44D5-ACCA-0011317A47F4}
GBCC	East Range Piles RX	{7353E01A-C961-43D6-ACDD-86F796197E72}
GBCC	Sawmill Canyon RX	{2EACF99E-21C4-4CAE-8C9E-C11A60AE28FC}
ONCC	INCLINE URBAN LOTS RX	{044B395F-A99F-44B4-9A93-7A5AB3FC9BBB}
GBCC	MM 12	{F0EAF4F2-3151-4B30-A7B5-829FDDE9904B}
GBCC	NV-CCD Sunrise Pile RX	{1604E529-3FB9-4498-9E70-4E8948D04B26}

ONCC	NV-NDF Bon Pland RX	{23BF9B0A-98F6-4EBD-A930-CB8FC4842F11}
GBCC	Moyle	{6F73F045-4E34-4F60-90F7-D5F9B844A392}
GBCC	RAZORBACK	{8A58D3F5-1E99-4660-AD59-EE4D6CD16761}
GBCC	CAMPFIRE 1	{0E560E81-4EAC-4CAC-8A9E-B6F804C006BA}
GBCC	CAMPFIRE 3	{615BBD31-9257-4C31-9D21-353D76E2D8AC}
GBCC	CAMPFIRE 2	{1D7CB2A6-CD7A-4654-A8BF-6FADE32585B7}
GBCC	CAMPFIRE 4	{AA8B5803-30C6-4EFC-9213-3BEE4975EA90}
GBCC	CAMPFIRE 5	{95F55A3B-39D5-4A5D-A86E-F1240D30761A}
GBCC	CAMPFIRE 6	{ED4B5B3C-F27A-4439-B3FE-827DC717A8CA}
GBCC	MM 11	{E9FC0FA7-D9D3-47B2-9CFC-8911131B4EE1}
GBCC	DUTCHMAN PASS 3	{0DB8D5AF-BE13-48CB-831C-2380F9E2E159}

POOCounty	POOJurisdictionalAgency	POOJurisdictionalUnit	POOLandownerCategory	POOState
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Elko	USFS	NVHTF	USFS	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Douglas	USFS	CATMU	USFS	US-NV
Carson City	USFS	NVHTF	USFS	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Lander	BLM	NVBMD	BLM	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Douglas	USFS	CATMU	USFS	US-NV
Carson City	USFS	CATMU	USFS	US-NV
Clark	BLM	NVSND	BLM	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Clark	BLM	<Null>	County	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Douglas	<Null>	<Null>	Private	US-NV
Washoe	USFS	CATMU	USFS	US-NV
Clark	USFS	NVHTF	USFS	US-NV
White Pine	NPS	NVGBP	NPS	US-NV
Clark	BLM	NVSND	BLM	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Lincoln	FWS	NVPRR	USFWS	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Clark	<Null>	<Null>	County	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	USFS	NVHTF	USFS	US-NV
Carson City	USFS	NVHTF	USFS	US-NV
Clark	USFS	NVHTF	USFS	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Washoe	USFS	NVHTF	USFS	US-NV

Washoe	USFS	NVHTF	USFS	US-NV
Pershing	BLM	NVWID	BLM	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Clark	<Null>	<Null>	Private	US-NV
Carson City	<Null>	<Null>	Private	US-NV
Carson City	<Null>	<Null>	Private	US-NV
Carson City	<Null>	<Null>	Private	US-NV
Carson City	<Null>	<Null>	Private	US-NV
Douglas	USFS	CATMU	USFS	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	BOR	NVLCL	BOR	US-NV
White Pine	NPS	NVGBP	NPS	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Carson City	BLM	NVCCD	BLM	US-NV
Churchill	<Null>	<Null>	Private	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Clark	BLM	NVSND	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Storey	<Null>	<Null>	Private	US-NV
Washoe	USFS	NVHTF	USFS	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Clark	BLM	NVSND	BLM	US-NV
Carson City	<Null>	<Null>	Private	US-NV
Douglas	USFS	NVHTF	USFS	US-NV
Lyon	BLM	NVCCD	BLM	US-NV
Lyon	USFS	NVHTF	USFS	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Eureka	BLM	NVEKD	BLM	US-NV
Lander	BOR	NVLBAL	BOR	US-NV
Douglas	<Null>	<Null>	Private	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Clark	BIA	AZCRA	BIA	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Clark	BLM	NVSND	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
White Pine	USFS	NVHTF	USFS	US-NV
Clark	BLM	NVSND	BLM	US-NV

White Pine	<Null>	<Null>	Private	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Lyon	<Null>	<Null>	Private	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
White Pine	<Null>	<Null>	Private	US-NV
Nye	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Douglas	<Null>	<Null>	Private	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Washoe	USFS	CATMU	USFS	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Churchill	BLM	NVCCD	BLM	US-NV
Douglas	BIA	NVWNA	BIA	US-NV
Pershing	<Null>	<Null>	Private	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Nye	BLM	NVBMD	BLM	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Lander	BLM	NVBMD	BLM	US-NV
Douglas	BLM	NVCCD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Clark	<Null>	<Null>	Private	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Elko	<Null>	<Null>	Private	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Elko	BLM	NVEKD	BLM	US-NV

Elko	<Null>	<Null>	Private	US-NV
Lyon	<Null>	<Null>	Private	US-NV
Mineral	BIA	NVWNA	BIA	US-NV
Lander	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Douglas	USFS	NVHTF	USFS	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Elko	<Null>	<Null>	Private	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Clark	FWS	NVDSR	USFWS	US-NV
Lander	BLM	NVBMD	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Pershing	<Null>	<Null>	Private	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Mineral	BIA	NVWNA	BIA	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Eureka	USFS	NVHTF	USFS	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Clark	<Null>	<Null>	Private	US-NV
Lander	BLM	NVBMD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Lyon	BLM	NVCCD	BLM	US-NV
Clark	USFS	NVHTF	USFS	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Lander	BOR	NVLBAL	BOR	US-NV
Eureka	<Null>	<Null>	Private	US-NV
Clark	USFS	NVHTF	USFS	US-NV
Elko	<Null>	<Null>	Private	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Elko	<Null>	<Null>	Private	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Churchill	BLM	NVCCD	BLM	US-NV
Churchill	BLM	NVCCD	BLM	US-NV
White Pine	USFS	NVHTF	USFS	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Eureka	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV

Lander	BLM	NVBMD	BLM	US-NV
Churchill	BLM	NVCCD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Washoe	FWS	ORSLR	USFWS	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Elko	USFS	NVHTF	USFS	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Mineral	USFS	CAINF	USFS	US-NV
Mineral	BLM	NVCCD	BLM	US-NV
Clark	<Null>	<Null>	County	US-NV
Nye	<Null>	<Null>	Private	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Clark	<Null>	<Null>	Private	US-NV
Carson City	BLM	NVCCD	BLM	US-NV
Nye	USFS	NVHTF	USFS	US-NV
Mineral	USFS	NVHTF	USFS	US-NV
Elko	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Clark	NPS	NVLAP	NPS	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Lander	USFS	NVHTF	USFS	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Lander	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Nye	USFS	NVHTF	USFS	US-NV
Lander	USFS	NVHTF	USFS	US-NV
Elko	<Null>	<Null>	Private	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Washoe	USFS	NVHTF	USFS	US-NV
White Pine	USFS	NVHTF	USFS	US-NV

Elko	<Null>	<Null>	Private	US-NV
Pershing	<Null>	<Null>	Private	US-NV
Douglas	USFS	NVHTF	USFS	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Clark	FWS	NVDSR	USFWS	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Washoe	BLM	NVWID	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Eureka	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Lincoln	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	BIA	AZCRA	BIA	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BIA	AZCRA	BIA	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Washoe	<Null>	<Null>	City	US-NV
Clark	BLM	NVSND	BLM	US-NV

Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV

Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Lander	<Null>	<Null>	Private	US-NV
Lyon	<Null>	<Null>	Private	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Washoe	BIA	NVWNA	BIA	US-NV
Nye	BLM	NVELD	BLM	US-NV
Storey	<Null>	<Null>	Private	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Lyon	BLM	NVCCD	BLM	US-NV
Nye	BLM	NVBMD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Nye	USFS	NVHTF	USFS	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Washoe	USFS	CATMU	USFS	US-NV
Washoe	USFS	CATMU	USFS	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Elko	<Null>	<Null>	Private	US-NV
Lander	<Null>	<Null>	Private	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV
Elko	<Null>	<Null>	Private	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Pershing	<Null>	<Null>	Private	US-NV
White Pine	USFS	NVHTF	USFS	US-NV
Eureka	BLM	NVEKD	BLM	US-NV

Clark	USFS	NVHTF	USFS	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Nye	USFS	NVHTF	USFS	US-NV
Elko	<Null>	<Null>	Private	US-NV
Nye	BLM	NVBMD	BLM	US-NV
Churchill	BLM	NVCCD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Clark	USFS	NVHTF	USFS	US-NV
Douglas	BIA	NVWNA	BIA	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Lander	USFS	NVHTF	USFS	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV
White Pine	NPS	NVGBP	NPS	US-NV
Lyon	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Washoe	FWS	ORSLR	USFWS	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	NPS	NVGBP	NPS	US-NV
Lincoln	<Null>	<Null>	Private	US-NV
White Pine	USFS	NVHTF	USFS	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV

Lincoln	BLM	NVELD	BLM	US-NV
White Pine	USFS	NVHTF	USFS	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Clark	FWS	NVDSR	USFWS	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	NPS	NVGBP	NPS	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lyon	BLM	NVCCD	BLM	US-NV
Douglas	BLM	NVCCD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Nye	BLM	NVSND	BLM	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Storey	<Null>	<Null>	Private	US-NV
Nye	USFS	NVHTF	USFS	US-NV
Douglas	BIA	NVWNA	BIA	US-NV
Washoe	BLM	NVWID	BLM	US-NV
Lander	<Null>	<Null>	Private	US-NV
Douglas	BLM	NVCCD	BLM	US-NV
Elko	USFS	NVHTF	USFS	US-NV
Pershing	<Null>	<Null>	Private	US-NV
Pershing	<Null>	<Null>	Private	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Nye	<Null>	<Null>	DOE	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Douglas	USFS	NVHTF	USFS	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Pershing	<Null>	<Null>	Private	US-NV
Esmeralda	BLM	NVBMD	BLM	US-NV
Storey	<Null>	<Null>	Private	US-NV
Washoe	BLM	CANOD	BLM	US-NV

Nye	USFS	NVHTF	USFS	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Washoe	BLM	NVWID	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Douglas	BLM	NVCCD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lander	BLM	NVEKD	BLM	US-NV
Lander	BLM	NVEKD	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Mineral	USFS	NVHTF	USFS	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Mineral	BLM	NVCCD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Pershing	BLM	NVWID	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	<Null>	<Null>	Private	US-NV
Clark	<Null>	<Null>	Private	US-NV
Elko	<Null>	<Null>	Private	US-NV
Clark	FWS	NVDSR	USFWS	US-NV
Elko	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Douglas	BIA	NVWNA	BIA	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Mineral	USFS	NVHTF	USFS	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV

Esmeralda	BLM	NVBMD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV
Nye	USFS	NVHTF	USFS	US-NV
Clark	USFS	NVHTF	USFS	US-NV
Elko	BLM	NVEKD	BLM	US-NV
White Pine	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Lyon	BLM	NVCCD	BLM	US-NV
Douglas	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Eureka	BLM	NVEKD	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Washoe	BLM	CANOD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Lander	<Null>	<Null>	Private	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Humboldt	BLM	NVWID	BLM	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Mineral	USFS	NVHTF	USFS	US-NV
Washoe	BLM	CANOD	BLM	US-NV
Lander	BLM	NVBMD	BLM	US-NV

Elko	BLM	NVEKD	BLM	US-NV
Nye	BLM	NVBMD	BLM	US-NV
Mineral	USFS	CAINF	USFS	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV
Clark	USFS	NVHTF	USFS	US-NV
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Clark	USFS	NVHTF	USFS	US-NV
Clark	BOR	NVLCL	BOR	US-NV
Clark	BOR	NVLCL	BOR	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Clark	USFS	NVHTF	USFS	US-NV
Clark	BLM	NVSND	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Nye	USFS	NVHTF	USFS	US-NV
Clark	BLM	NVSND	BLM	US-NV
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White Pine	BLM	NVELD	BLM	US-NV
Washoe	BLM	NVWID	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
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Humboldt	BLM	NVWID	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Clark	USFS	NVHTF	USFS	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Clark	NPS	NVLAP	NPS	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Lander	BLM	NVBMD	BLM	US-NV
Lincoln	<Null>	<Null>	County	US-NV
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Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV

Elko	BLM	NVEKD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
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Nye	BLM	NVELD	BLM	US-NV
Pershing	<Null>	<Null>	Private	US-NV
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Lincoln	BLM	NVELD	BLM	US-NV
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Elko	BIA	NVENA	BIA	US-NV

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Lincoln	BLM	NVELD	BLM	US-NV
White Pine	USFS	NVHTF	USFS	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
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Nye	<Null>	<Null>	DOE	US-NV
Washoe	BLM	NVCCD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Eureka	<Null>	<Null>	Private	US-NV
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Lander	BLM	NVBMD	BLM	US-NV
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Humboldt	BLM	NVWID	BLM	US-NV
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Lincoln	BLM	NVELD	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Lyon	<Null>	<Null>	Private	US-NV
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Humboldt	BLM	NVWID	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV

Washoe	BLM	NVCCD	BLM	US-NV
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Lincoln	BLM	NVELD	BLM	US-NV
Lyon	BLM	NVCCD	BLM	US-NV
Elko	BLM	NVEKD	BLM	US-NV
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Humboldt	BLM	NVWID	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
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Eureka	USFS	NVHTF	USFS	US-NV
Lincoln	BLM	NVELD	BLM	US-NV

Clark	BLM	NVSND	BLM	US-NV
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Lander	BLM	NVEKD	BLM	US-NV
Humboldt	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Clark	USFS	NVHTF	USFS	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
White Pine	USFS	NVHTF	USFS	US-NV
Nye	BLM	NVBMD	BLM	US-NV
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Humboldt	<Null>	<Null>	Private	US-NV
Pershing	BLM	NVWID	BLM	US-NV
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White Pine	BLM	NVELD	BLM	US-NV
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Humboldt	BLM	NVWID	BLM	US-NV
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Clark	BLM	NVSND	BLM	US-NV
Elko	<Null>	<Null>	Private	US-NV
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Elko	BLM	NVEKD	BLM	US-NV
Lincoln	BLM	NVELD	BLM	US-NV
Pershing	<Null>	<Null>	Private	US-NV
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Pershing	<Null>	<Null>	Private	US-NV
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White Pine	BLM	NVELD	BLM	US-NV
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Clark	USFS	NVHTF	USFS	US-NV
Douglas	<Null>	<Null>	Private	US-NV
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Washoe	BLM	CANOD	BLM	US-NV
Douglas	<Null>	<Null>	Private	US-NV
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Nye	BLM	NVBMD	BLM	US-NV
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Nye	BLM	NVBMD	BLM	US-NV
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Douglas	<Null>	<Null>	Private	US-NV
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Humboldt	BLM	NVWID	BLM	US-NV
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Pershing	BLM	NVWID	BLM	US-NV
White Pine	BLM	NVELD	BLM	US-NV
Washoe	<Null>	<Null>	Private	US-NV
Clark	BLM	NVSND	BLM	US-NV
Lyon	BLM	NVCCD	BLM	US-NV

Washoe	<Null>	<Null>	Private	US-NV
Eureka	BLM	NVBMD	BLM	US-NV
Clark	BLM	NVSND	BLM	US-NV
Clark	NPS	NVLAP	NPS	US-NV
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2024-NVELD-040323	<Null>
2024-CATMU-032686	3
2024-NVSND-501712	<Null>
2024-NVCCD-031182	<Null>

2024-NVNWS-031183	3
2024-NVBMD-020764	<Null>
2024-NVSND-501728	<Null>
2024-NVLAP-501713	<Null>
2024-NVLAP-501715	<Null>
2024-NVLAP-501714	<Null>
2024-NVLAP-501716	<Null>
2024-NVLAP-501717	<Null>
2024-NVLAP-501718	<Null>
2024-NVBCFX-501745	<Null>
2024-NVSND-501746	<Null>

NV Energy

RESPONSE TO INFORMATION REQUEST

DOCKET NO:	24-12016	**REQUEST DATE:**	03-13-2025
REQUEST NO:	SNGG 2-08	**KEYWORD:**	
REQUESTER:	Foletta	**RESPONDER:**	Hoon, Alexander (NV Energy)

REQUEST:

Please provide PDF maps and KMZ files of the 207 fire incidents reported in Howard Direct #25. Also, provide an excel sheet of the 207 fires indicating date, time, size of the fire, Tier area, AHJ, County, causes of fire, ignition events of any size, details of what assessment or response from NV Energy was needed, and how many and what fires the FMO responded to the IC commander post in person.

RESPONSE CONFIDENTIAL (yes or no): No

ATTACHMENT CONFIDENTIAL (yes or no): No

TOTAL NUMBER OF ATTACHMENTS: One (Zipped)

RESPONSE:

Subject to the Companies' objection to this data request, the Companies respond in part with the attached file 24-12016 – SNGG 2-8-Attach 01.xlsx.

Date	Time	Incident Na	Size of Fire	Tier Area	Location	Cause of Fi	De-Energiz	NVE Respo
2/29/2024		Fernley fue	30' x 30'	Non Tier	Fernley	Wire down		Troublemar
3/27/2024		Cashill Fire	0.5 acres	Non Tier	Reno	Failed insulator		Troublemar
5/14/2024		Antelope 2:	10' x 30'		Fallon	failed connector		Troublemar
5/15/2024		Patrick	2		Patrick	Unknown		
5/17/2024		Bybee	2	1E	Yerington	Wire down		Troublemar
5/172024		Trampoline	0.1	1	Silver Sprin	Object blown into wire.		Troublemar
5/19/2024		Navajo	0.25	Non Tier	Stagecoach	Residential Burn Pile		Troublemar
5/23/2024		Golf Club	0.75	Non Tier	Carson City	Possible Tree Branch		Troublemar
5/31/2024		Rock	0.5	Tier 1E	TMFPD, Pal	Possible Bird or Bird Ne		Troublemar
6/5/2024	0707am	No Name	0.25	1E	Winnemuc	Bird and Bird Nest in Pc		Troublemar
6/6/2024	18:26:00	0 Marney La	0.25		Smith Valle	Customer owned Panel		Troublemar
6/8/2024	18:13:00	Lovelock	491	Non Tier	Lovelock	Burning ditches		
6/10/2024	143pm	No Name	0.25		Winnemuc	Down Line		Troublemar
6/10/2024	1200pm	No Name	0	Non-Tier	Winnemuc	Unknown		Troublemar
6/10/2024	1424p	No Name	0.1	Non Tier	Winnemuc	Bird into device		Troublemar
6/11/2024	0845a	No Name	0.1	Non Tier	Battle Mour	Device Malfunction		Troublemar
6/11/2024	1537p	Trail	370	1	Reno	Undetermind		Troublemar
6/11/2024	2226p	Sullivan	140	Non Tier	Reno	Human Caused		
6/12/2024	1004a	447	286	1E	Nixon	Weed Burning		Troublemar
6/13/2024	1434p	6.13.24.1	"Sheclkler"	Non Tier	Fallon	Burnt terminator in sub		Troublemar
6/13/2024	1445p	6.13.24.2	0.25	Non-Tier	Winnemuc	Bird into arrestor		Troublemar
6/13/2024	1855p	6.13.24.3 P	22	Non Tier	Reno			Troublemar
6/17/2024		6644 Parad	2'x3'	Tier 1	Clark Coun	Damage to Meter box fe		Troublemar
6/20/2024		Mason Valley			Mason Vall	Structure Fire		
6/20/2024	15:59pm	NorthRidge	1.64		Cold Springs			Troublemar
6/21/2024	14:34:00	Ironwood	172	Tier 1E	Palamino V	Human Caused clearin		Troublemar
6/21/2024	16:10:00	Jack Fire	133	Tier 2	Jackpot NV	Birds nest and bad insu		Troublemar
6/21/2024	11:30pm	RoseCreek	0.25	Tier 1E		Wire Down		
6/21/2024		McCoy Sing	10'x10'	Tier 1		Wire Down, Extra circuit	from a 3 ph	
6/23/2024	2:20pm	Reese Rive	0.25	Tier 1	Battle Mour	Hot Clamp		
6/23/2024	9:00pm	Mountain P	15'x150'	Tier 1	Carson City			Troublemar
6/24/2024	1:54pm	17450 E 4th & Madeiro		Tier 1	Sun Valley	Construction Crews		Troublemar
6/25/2024	08:30am	100 Tresca	10'x10'	Non-Tier	Spring Cree	Bird into device		Troublemar
6/27/2024	1:42:00	9335 Proto	1	Non-Tier	Reno	Pole Failed		Troublemar
6/27/2024	04:45AM	Jungo Road	0.5	Tier 2	Winnemucca			Troublemar
6/27/2024	11:30:00	Bunker Fire	0.25	Non Tier	Carson City	Vehilce Fire		
6/27/2024	13:24:00	Prototype 2	2		Reno			Troublemar
6/27/2024	15:57:00	Cabela Driv	.75 acre		Reno			Troublemar
6/28/2024	04:30pm	Stage Fire	4	Non Tier	Battle Mour	Bird into device		Troublemar
6/29/2024	2:08pm	Burner Fire	13.5	Tier 2	Elko			
6/30/2024	2:26pm	140 E Ceda	0.25	Non Tier	Fernley			Troublemar
7/1/2024	08:58am	Creek Fire	0.1	Tier 2	Reno	N?A		
7/3/2024	09:20am	7.3.24.1 Dc	0.1		Churchill County			

7/3/2024	19:30pm	7.3.24.2	""	0.1	Tier 1		Pershing	Failed Coupler	Troublemar
7/3/2024	21:35pm	7.3.24.3	"c	0.1	Tier 2		Clark		
7/4/2024	03:37am	7.4.24.1	"S	3.1					
7/4/2024	09:47am	7.4.24.2	"C	0.1			Elko		
7/4/2024	11:00am	7.4.24.3	"H	0.1			I-15 MM12		
7/4/2024	17:00pm	7.4.24.4	"H	3			Sparks		
7/4/2024	17:10:00	7.4.24.5	"S	0.1			Elko		
7/4/2024	23:00PM	7.4.24.6	"W	5			Winnemucca		Troublemar
7/5/2024	0700 AM	7.5.24.1	"O	14			Reno		
7/5/2024	0950AM	7.5.24.2	"B	0			Reno	Tree into line.	Troublemar
7/5/2024	18:30pm	7.5.24.3	"D	3			Dayton		Troublemar
7/5/2024	20:20:00	7.5.24.4	"D	0.25			Derby		
7/6/2024	15:00pm	7.6.24.1	"U	0.25			Patrick		Troublemar
7/7/2024	13:00pm	7.7.24.1	"R	0.1			Dayton	Vehilcle Fire	
7/8/2024	15:00pm	7.8.24.1	"S	0.66			Paradise Ve	Bird into device	Troublemar
7/9/2024	0800A	7.9.24.1	"N	0.5	Tier 1E		Winnemucc	Faulty Arrestor	Troublemar
7/9/2024	1140a	7.9.24.2	"Fi	0.25			Imlay		Troublemar
7/9/2024	0740A	7.9.24.3	"B	0.1			Elko	Bird into device	Troublemar
7/9/2024	1741p	7.9.24.4	"L	0.1	1E		Reno		
7/9/2024	1800p	7.9.24.5	"M	0.1			Reno		
7/9/2024	1835p	7.9.24.6	"Spring"						
7/10/247	1830p	7.10.24.1	"I	20.8			Lassen County		Troublemar
7/11/2024	1004p	7.11.24.1	"I	5			Battle Mour	Bird into device	Troublemar
7/11/2024	1645p	7.11.24.2	"S	1	1E		Mound House		
7/12/2024	17:00pm	7.12.24.1	"I	2	Non		Winnemucc	Car into pole	Troublemar
7/12/2024	17:00pm	7.12.24.2	"I	0.1		1	Elko		
7/12/2024	17;00PM	7.12.24.3	"	0.5	Non and 1		Elko		
7/12/2024	17;00PM	7.12.24.4	"T	1.5	Non-Tier		Reno	Lightning Arrestor	
7/12/2024	18:15p	7.12.24.5	"T	6.8			Reno		
7/13/2024	03:07a	7.13.24.1	"T	0.1	Tier 1E		Minden	Wire Down	Troublemar
7/13/2024	09:40a	7.13.24.2	"I	3.9	Non -Tier		Winnemucc	Strucure Fire	Troublemar
7/13/2024	1540p	7.13.24.3	"(	0.1			Verdi	Lightning	
7/13/2024	16:50p	7.13.24.4	"I	1		1	Reno	Lightning	
7/13/2024	17:25p	7.13.24.5	"I	0.1			Kyle Canyo	Lightning	
7/13/2024	16:29p	7.13.24.6	"I	0.1		2	Spanish Sp	Lightning	
7/13/2024	18:55p	7.13.24.8	"I	0.1	1E		Cold Spring	Lightning	
7/13/2024	18:35p	7.13.24.9	"I	0.1	Non		Lee Canyor	Lightning	
7/13/2024	19:17p	7.13.24.10		0.1	1E		Red Rock L	Lightning	
7/13/2024	19:32p	7.13.24.11		0.1	1E		Indian Sprir	Lightning	
7/13/2024	19:48p	7.13.24.12		0.1		1	Pahrump	Lightning	
7/14/2024	14:17p	7.14.24.1	"I	0.1	Non		Elko	Lightning	
7/15/2024	13:34p	7.15.24.1	"I	0	Non		Valmy		
7/15/2024	14:21p	7.15.24.2	"Lonely"				Desatoya	Lightning	
7/15/2024	16:14p	7.15.24.3	"I	0.1		2	Woodfords	Lightning	

7/15/2024	14:21p	7.15.24.4 "I	175		1	Wells	Lightning			
7/16/2024	10:35hrs	7.16.24.1 "I	3.3		1	Winnemuc	Unkown			
7/16/2024	16:20hrs	7.16.24.2 "S	226	Non		Spring Valle	Unkown			Troublemar
7/16/2024	18:02hrs	7.16.24.3 "I	10x20	Non		Elko	Lightning			Troublemar
7/16/2024	1600hrs	7.16.24.4 "(	0.5	Non-Tier		Winnemuc	Customer Panel			Troublemar
7/17/2024	00:03hrs	7.17.24.1 "I	1.5acres	Tier 1E		Winnemuc	Structure Fire	8445 Wa		Troublemar
7/19/2024	13:54hrs	7.19.24.1 ",	1 acre	Non-Tier		Stead	Birds			Troublemar
7/23/2024	10:54hrs	Buffalo	212.6	Non-Tier		Gerlach	Lightning			
7/23/2024	19:15hrs	Stockdale F	19382	Tier 2		Gerlach	Unkown			
7/24/2024	15:30hrs	4000 Dutch	2'x2'	Non tier		Winnemuc	Bird			Troublemar
7/19/2024	18:31hrs	7.19.24.2 "S	1 acre	Tier 2		Verdi	Unkown	EDEN		Troublemar
7/24/2024	12:30hrs	Siegel Fire	9.10 Acre	Tier 1		Douglas	Lightning			
7/24/2024	17:54hrs	Able Flat Fi	2,100 Acre	Tier 1		Winnemuc	Lightning			
7/24/2024	18:02 hrs	Cormier Ro	376	Tier 1 E		Winnemuc	Lightning			Troublemar
7/26/2024	16:38hrs	Smith	1.5	Tier 1		Douglas	Lightning			
7/26/2024	17:24hrs	Devils Cree	24.7	Non-tier		Jackpot	Lightning			
7/26/2024	12:44hrs	Deadhorse	98	non-tier		Clark				
7/27/2024	03:47Hrs	Taylor Fire	2	Tier 1		Jackpot				
7/28/2024	19:59hrs	Sunset 2 Fi	0.25	Tier 1		Clark	Human			
7/29/2024	18:19hrs	3989 Strati	0.25	Tier 1		Elko				
7/30/2024	14:51:00	San Jactino	0.1	Non-Tier		Elko				
7/31/2024	20:08:00	7.31.24.1 S	0.1	Non-Tier		Las Vegas				
7/31/2024	22:00:00	7.31.24.2 A	0.1	Tier 1		Las Vegas				
8/2/2024	17:48:00	8.2.24.1 "E	0.9	Tier 1		Gardnervill	Lightning			Troublemar
8/4/2024	17:35:00	8.4.24.1 "K	0.35	Non-Tier		Spanish Sp	Bird			Troublemar
8/4/2024		8.4.24.2 "M	110	Non-Tier		Hawthorne	Lightning			
8/5/2024	16:23:00	8.5.24.1 "B	5	Non-Tier			Lightning			
8/5/2024		8.5.24.2 "C	0.1	Tier 1		Elko	Lightning			
8/8/2024	20:16:00	8.8.24.1 "W	0.25	Tier 1		Las Vegas				
8/9/2024	10:32:00	8.9.24.1 "Ta	0.1	Tier 2		Elko				
8/9/2024	14:08:00	8.9.24.2 "H	0.1	Tier 2		Elko				
8/10/2024	12:46:00	8.10.24.1 T	10	Non-Tier		Las Vegas				
8/10/2024	15:34:00	8.10.24.24	20	Non-Tier		Las Vegas				
8/11/2024	15:05:00	8.11.24.1 "I	5	Tier 2		Truckee				
8/11/2024	16:02:00	8.11.24.2 "I	5	Non-Tier		Empire				Troublemar
8/11/2024	18:31:00	8.11.24.3 "(	650	Tier 2		Reno		EDEN		Troublemar
8/12/2024	19:15:00	8.12.24.1 "I	150	Tier 1E		Winnemuc	Lighning	Circutis trip		Troublemar
8/15/2024	18:35:00	8.15.24.1 "I	0.1	Non-Tier		Las Vegas				
8/16/2024	11:19:00	8.16.24.1 "(	0.1	Non-Tier		Sparks	Possible Bi	Circuit Trip		Troublemar
8/16/2024	18:08:00	1469 Pinior	30'x50'	Tier 1		Carson City	Possible lo	De-energize		Troublemar
8/17/2024	14:27:00	McCarran F	1	Non-Tier		Reno	Under Investigation			Troublemar
8/19/2024	12:05:00	Laughlin Fi	5	Tier 1		Laughlin/ C	Under Investigation			Troublemar
8/20/2024	13:30p	8.20.24.1 "I	1786	Tier 1		Winnemuc	Human	EDEN. 4 Mi		Troublemar
8/21/2024	12:45p	8.21.24.1 "(	0.25	Tier 1		Winnemuc	Bird into device.			

8/21/2024	10:48a	8.21.24.2 "I	70	Non-Tier	Winnemuc	Human		
8/24/2024	10:25a	8.24.24.1 "/	0.25	Tier 1/ Non-	Reno	Bird into device	Troublemar	
8/29/2024	15:11:00	Petersons Fire		Non-Tier	Washoe			
8/31/2024	11:15:00	Paradise Hi	13.5	Tier 1	Winnemuc	Under Investigation		
8/31/2024	11:31:00	Triple Play I	20	Tier 1	Wahoe/ BLI	Human		
9/2/2024	13:34:00	Hanson Fir	2.9	Non-Tier	Winnemuc	Human	Troublemar	
9/2/2024	14:09:00	Bear Fire	1391	Tier 2	Sierra Cour	Under Inves	EDEN	Troublemar
9/2/2024	17:57:00	Lake Mount	403	Tier 1	BLM	Lighting		
9/2/2024	20:34:00	Wadsworth	1'X1'	Non-Tier	Wadsworth	Wire down/	Tree into lin	Troublemar
9/5/2024	10:01:00	Coal Mine	1'X1'	Tier 2	Elko	cap bank, l	Fault	Troublemar
9/6/2024	16:03:00	School Fire	5.5	Tier 1E	Washoe	Lighting		
9/7/2024	12:01:00	Mer Mac W	1' x 1'	Tier 1E	Washoe	Transforme	Fault	Troublemar
9/7/2024	12:01:00	Rail Road 2	0.25	Tier 1	Stoery	Vehicle fire		
9/7/2024	14:16:00	Davis Fire	4703	Tier 2	Wahoe	Under Inves	Fault and E	Troublemar
9/7/2024	20:33:00	Express	0.5	Tier 2	Elko	Under Investigation		
9/8/2024	15:06:00	Canyon Ra	0.53	Tier 1	Elko	Under Investigation		
9/8/2024	15:08:00	Stack Fire	0.25	Tier 1	Elko	Human		
9/8/2024	16:13:00	Bird Spring	30	Non-Tier	Clark	Lighting		
9/10/2024	0:09:00	Swales Fire	107.15	Tier 1E	Elko			
9/10/2024	13:55:00	Giants Gra	12.3	Tier 2	Winnemuc	Human Caused		Troublemar
9/11/2024	12:07:00	Zuni Fire	0.5	Tier 2	Elko	Under Investigation		
9/13/2024	18:00:00	Gold	1	Tier 1	Elko	Under Investigation		
9/14/2024	14:24:00	Painted Ro	0.5	Tier 1	Storey	Human		
9/14/2024	22:45:00	Gomer	0.1	Non-Tier	Clark	Human		
9/15/2024	7:14:00	La Madre 2	0.1	Non-Tier	Clark	Human		
9/15/2024	7:29:00	"Pole 2713	10' x 10"	Tier 1	Elko	Bird ground	Faulted	Troublemar
9/15/2024	10:27:00	Barrell	0.05	Tier 1E	Elko	Under Investigation		
9/15/2024	15:53:00	Finks Fire w	3 acres	Non-Tier	Elko	Lighting		
9/15/2024	16:30:00	HD Summit	2	Tier 1	Elko	Lighting		
9/18/2024	17:15:00	9.18.24.1 "I	0.1	Tier 1	Reno	Lightning		
9/18/2024	22:30:00	King	100'x 20'	Tier 3	Wahoe	Lightning		
9/20/2024	16:30:00	Wren	5 acres	Tier 1	Winnemuc	Burn Barrel	Agency Req	Troublemar
9/21/2024	15:50:00	9.21.24.1 "	.1 acre	Tier 1	Las Vegas	Under Investgation		
9/22/2024	16:00:00	9.22.24.1 "I	59 acres	Non-Tier	Lander Cou	Human		Troublemar
9/23/2024	15:40:00	9.23.24.1 "I	0.5	Tier 1E	Reno	Human, Welding		
9/27/2024	13:45:00	9.27.24.1 "	0.1	Non-Tier	Las Vegas	Unknown		
10/1/2024	15:30:00	10.1.24.1 "I	0.25	Tier 2	Truckee	Unkown		
10/2/2024	11:30:00	10.2.24.1 D	1	Tier 1	Reno	Unknown		
10/2/2024	6:15:00	10.2.24.2 C	0.1	Tier 1 E	Elko	Unknown		
10/3/2024	12:40:00	10.3.24.1 H	0.5	Tier 2	Elko	Unknown		
10/4/2024	5:52:00	10.4.24.1	0.1	Tier 1	Las Vegas	Unknown		
10/5/2024	10:38:00	Clover Valle	0.1	Non-Tier	Elko	Under Investgation		
10/5/2024	22:14:00	Sparkler	3.9	Tier 1E	Washoe Py	Human / Fireworks		
10/6/2024	3:06:00	10.6.24.1 "I	2	Non-Tier	Truckee	Human /Arson		

10/6/2024	16:49:00	10.6.24.2 "	25762	Non-Tier	Midas, Elk	Under Investgation			
10/7/2024	9:49:00	Forntage	0.62	Non-Tier	Winnemuc	Under Investgation			
10/7/2024	10:01:00	Rest stop Fi	2.7	Non-Tier	Winnemuc	Under Investgation			
10/7/2024	14:58:00	Rhodes fire	10' x 10'	Tier 1	Washoe Co	Under Investgation			Troublemar
10/7/2024	17:15:00	Gypsum Sp	0.01	Tier 1	Clark	Human			
10/9/2024	14:35:00	I-80 MM 16	64.3	Tier 1	Winnemuc	Human			Troublemar
10/9/2024	14:51:00	Airport Fire	3	Tier 1	Lovelock, P	Human			
10/9/2024	18:51:00	Bliss	3.9	Tier 2	Winnemuc	Human			
10/9/2024	20:40:00	Kyle Canyo	0.5	Tier 1	Clark	Human			
########	12:37:00	Heguy	0.25	Tier 2	Elko	Under Investgation			
########	13:02:00	Toyon	75' x 250'	Non Tier	Fallon, Chu	Human Burn Piles			Troublemar
########	15:01:00	23 JT Ranch	50'X200'	Non Tier	Antelope Va	Fuse	Fault		Troublemar
########	16:50:00	Tallgrass	0.25	Tier 1	Elko	Human			
########	17:01:00	Wildhorse	0.25	Tier 1	Elko	Under Investgation			
########	19:50:00	Bonnie	0.5	Tier 1	Clark	Human / Fireworks			
########	18:01:00	Ninth Stree	0.5	Non Tier	Elko	Under Investgation			
########	13:00:00	PACIFIC	20'X20'	Non Tier	Sparks	Under Investgation			Troublemar
########	14:34:00	HillTop	10'X40'	Tier 1	Battle Mour	Under Investgation			Troublemar
########	12:45:00	10.21.24.1	1.5 acres	Non Tier	Reno	Under Investigation			
########	10:36:00	Pole # 628	30' X30'	Tier 1	Battle Mour	Hot Clamp	Fault Line B		Troublemar
########	21:21:00	Kyle Fire	1 acre	Tier 3	Clark Coun	Under Investigation			
########	10:25:00	Alpine View	3 Acres	Tier 1	Douglas	Human			Troublemar
########	18:36:00	NorthTown	50' x50'	Non Tier	Washoe	Terminator	Fault		Troublemar
11/2/2024	14:39:00	11.2.24.1 L	0	Tiker 1	Washoe Va	Fault	Fault		Troublemar
11/8/2024		11.7.2024.	0.1	Non Tier	Las Vegas				
11/9/2024	6:21:00	11.9.2024.	0.1	Non Tier	Las Vegas				
########	17:00:00	11.10.24.1	0.1	Non-Tier	Las Vegas				
########	10:40:00	11.11.24.1	30-100	Tier 2	Reno		EDEN		Troublemar
########	16:17:00	11.11.24.2	0	Non-Tier	Reno				Troublemar
########	5:26:00	11.19.24.1	5' X 5'	1E	Dayton	Down Wire			Troublemar
########	2:40:00	11.23.24.1	0	1E	Reno	Transformer			Troublemar
########	18:00:00	11.26.24.1	0.1	1	Las Vegas				
########	16:36:00	12.16.24.1	0	1E	Reno				Troublemar
12/16//202	17:02:00	12.16.24.2	0	Non Tier	Imlay	Faullty Insulator			Troublemar

FMO to ICP

Lawson/Lucas

Lucas

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NV Energy

RESPONSE TO INFORMATION REQUEST

DOCKET NO:	24-12016	**REQUEST DATE:**	03-13-2025
REQUEST NO:	SNGG 2-31	**KEYWORD:**	
REQUESTER:	Foletta	**RESPONDER:**	Costello, Brian (NV Energy)

REQUEST:

The response to Staff 2 the KDR was provided for AiDash. The scope in the KDR is for Tier 3, Tier 2, Tier 1E and non-Tier selected circuits. What is the cost and miles for the non-tier circuits? Will the cost for the non-tier circuits be adjusted in the budget requested in this 1st Amendment?

The scope of the pilot project:
oDuration = 12 months
oOverhead transmission = 500 miles
oOverhead distribution = 1,250 miles
oOver Tier 3, Tier 2, Tier 1E, non-Tier selected circuits.
•Cost and time to implement = $249,700.

RESPONSE CONFIDENTIAL (yes or no): No

ATTACHMENT CONFIDENTIAL (yes or no): No

TOTAL NUMBER OF ATTACHMENTS: None

RESPONSE:

The AiDash pilot includes 538 miles of line in non-tier areas with approximate costs of $76,590 of the estimated $249,700 for the non-tier areas. Actual costs will be recorded appropriately at the time they are incurred by the Companies.

NV Energy

RESPONSE TO INFORMATION REQUEST

DOCKET NO:	24-12016	**REQUEST DATE:**	03-13-2025
REQUEST NO:	SNGG 2-28	**KEYWORD:**	
REQUESTER:	Foletta	**RESPONDER:**	Hoon, Alexander (NV Energy)

REQUEST:

In Mr. Hoon's Staff 15 response he provided:

Nevada has approximately 0.06 cameras per 100 square miles. Please provide this same data comparing the square miles to the NDPP Wildland Fire Risk Tiers. The first short-range FireBIRD fire camera's that have been installed was approved as pilot program. Please provide the details on the pilot, the current number installed, dates each camera were installed, locations installed, the total number of alerts the FireBIRD, how the Companies and other agencies receive the alerts, do the short-range and long-range cameras work on the same network, what was the feedback from the EWG on the FireBIRD cameras.

RESPONSE CONFIDENTIAL (yes or no): No

TOTAL NUMBER OF ATTACHMENTS: None

RESPONSE:

For clarification, the quote referred to in SNGG-2-28 from Mr. Hoon's Staff 15 response was only speaking to long-range (high definition pan-tilt zoom) cameras only, not short-range cameras. There are approximately 11,458 square miles of NDPP Wildland Fire Risk Tiers, including Tier 3, 2, 1E, and 1 areas. Considering that there are approximately 40 long-range cameras that have usable viewsheds in the NDPP Wildland Fire Risk Tiers, the ratio is 0.35 cameras per 100 square miles.

The FireBIRD short-range wildfire camera pilot was launched in 2023 under the NDPP to evaluate high-resolution, close-range wildfire detection in Tier 3 areas where long-range cameras have limited effectiveness.

NV Energy has installed five FireBIRD cameras in the Mt. Charleston area:
• Canyon 3401 – Installed December 2023
• Angel Peak 3402 #1 – Installed July 2024
• Angel Peak 3402 #2 – Installed July 2024
• Angel Peak 3402 #3 – Installed July 2024
• Kyle Canyon Substation – Installed July 2024

Alerts and Notifications
• While the FireSense system does generate alerts, no useful or actionable alerts have been received by NV Energy to date. This is primarily because the FireBIRD cameras are not integrated into the AlertWest platform, which is NV Energy's primary tool for wildfire situational awareness and AI-based fire detection.

Network and Platform Integration
• FireBIRD cameras operate on a separate network from NV Energy's long-range wildfire cameras.
• The lack of platform integration has hindered the effectiveness of the system in supporting real-time decision-making and coordination with public agencies.

Future Direction
• NV Energy remains confident in the value of short-range cameras for wildfire mitigation.
• However, the Companies are not satisfied with the service provided by Lindsey FireBIRD during this pilot.
• For the additional short-range cameras requested in the First Amendment, NV Energy intends to select a new vendor that can provide:
o Full integration into the AlertWest platform
o AI wildfire detection and notification
o Alert sharing capabilities with emergency response agencies

NV Energy

RESPONSE TO INFORMATION REQUEST

DOCKET NO:	24-12016	**REQUEST DATE:**	03-13-2025
REQUEST NO:	SNGG 2-24	**KEYWORD:**	
REQUESTER:	Foletta	**RESPONDER:**	Hoon, Alexander (NV Energy)

REQUEST:

What is the timeline to have the updated view-shed analysis from the University of Nevada, Reno be completed for the fire cameras? Please provide a copy of the updated view-shed analysis when completed.

RESPONSE CONFIDENTIAL (yes or no): No

TOTAL NUMBER OF ATTACHMENTS: None

RESPONSE:

The viewshed analysis with UNR and BLM is currently in process. It is expected to be completed by the end of April 2025.

NV Energy

RESPONSE TO INFORMATION REQUEST

DOCKET NO:	24-12016	**REQUEST DATE:**	01-21-2025
REQUEST NO:	Staff 29	**KEYWORD:**	KDR Final Versions
REQUESTER:		**RESPONDER:**	Howard, Danyale (NV Energy)

REQUEST:

Reference: Final Key Decision Reports (KDR)

Question: Key Decision Reports (KDR) provided as Staff-1 Attach 2 and Staff-2 Attach 3 are labeled as drafts. Please share the final versions with all required approvals.

RESPONSE CONFIDENTIAL (yes or no): No.

ATTACHMENT CONFIDENTIAL (yes or no): No.

TOTAL NUMBER OF ATTACHMENTS: Two (zipped)

RESPONSE:

Final KDRs are attached as 24-12016 - Staff 29 - Attach 01 and 24-12016 - Staff 29 - Attach 02

Vegetation Management – AiDash
Key Decision Report

Description: AiDash Pilot Proposal for Vegetation Management and Fire Mitigation
ID:
Owners: Mark Young and Joe Tuvell
Date: 04/18/2024

Description of Key Decision:

The AiDash platform uses satellite analytics and artificial intelligence (AI) to monitor/model assets at scale and empower their full-stack, vertical SaaS solution. Vertical SaaS describes a type of software as a service solution created for a specific industry.

Vegetation and climate disasters – like storms and wildfires – are two of the biggest and costliest threats to transmission and distribution lines. In California alone, utilities spend $1 billion each year on vegetation management. AiDash would help to improve grid reliability, reduce expenses, and improve storm recovery times with satellite-based sensing for vegetation management and fire mitigation.

The key objectives are:

1) Reduce O&M expenses
    - Find vegetation risks in real time, before they could damage our infrastructure.
    - Harden our system against storms/ wildfires and restore the system faster.
    - Improve NDPP efficiency by working in conjunction with Technosylva data to help focus on true priorities given our limited contract resources (manpower).
2) Improve system reliability
    - Transform system reliability, reduce customer interruptions, improve SAIDI and SAIFI.

Discussion:

Background (Problem statement)

- Vegetation management is business critical. Fire mitigation efforts at the BHE level are at the forefront and under great scrutiny. GIC Best Practices encourages the use of technologies to improve efficiency and cost savings.
- Vegetation is not static; the state of the growth changes and that growth is variable depending on seasonal conditions.
- Time is critical –
    - To prioritize initial treatment, we must identify those specific areas over a vast service territory to laser focus our limited resources.

- Reach maintenance cycle – we have told the PUCN that we will be on a four-year cycle in Tier 3 by 2025, Tier 2 and Tier 1E by 2027, with T1 (WUI) by 2032.
- Optimize maintenance cycle for efficiency – within the utility arboriculture industry the concept of whole circuit cyclical pruning is being reevaluated. Identifying specific problem areas within circuits is being favored as a means of prioritizing resources.

- How Vegetation Management Currently Prioritizes –
  - Currently utilizing historical records to help prioritize circuit work. When was the circuit last patrolled, listed, and worked. There is no visual representation associated with this. Meaning from year-over-year how much growth has occurred? What impact has drought affected growth rates? It is important data but does not address immediate risks.
  - Local knowledge from NV Energy VMA's, contractors who have been on our system including fire agency staff, ASM's, and troublmen all contribute to knowing worst performing circuits or problem locations. This information is scattered all over the service territory and is highly subjective.
  - Currently implementing Technosylva, but this is still undeveloped technology. The data it provides would be further enhanced by tying the remote sensing satellite data. It would help to paint the picture as to why locations are a priority. Is it trees, facilities, urban density, or something else.
- Resources –
  - Even with greater resources, relying completely on visual patrol of the entire system would be impractical.
    - Currently we have 8 Contract Utility Foresters (CUF's) in the North and 2 CUF's in the South. We struggle for months to acquire more due to the specialty nature of the position.
    - Are the CUF's seeing and catching every potential hazard tree both on and off right-of-way (ROW)?
    - Inaccessible, hard to access terrain, takes time to hike, navigate and observe for hazard trees. It is hard to hike uphill in soft decomposed granite, watching your footing, and still accurately observing the power line, both on and off ROW.
  - For example: 3 full time CUF's could spend 4 months to patrol Tier 3.
    - That is 321 miles, or 1% of the entire overhead electric system, to identify the highest priority hazard trees.
    - Currently, the fully burdened rate (labor, truck, and laptop) for 1 CUF = $53.16/hr. Three CUFs = $159.48/hr.
    - Working 50-hour weeks (5, 10-hour days) 1 month = 200 hours.
    - 4 months = 800 hours * $159.48/hr = $127,584.
- What is needed is accessible, reliable, and accurate data for better decisions. Then we can prioritize work, create schedules for both high priority hazard trees, initial treatments, and efficient long-term schedules. It balances costs and resources.

Recommendations:

This report makes the following recommendation(s):

- Initiate a pilot program using AiDash, includes:
  - Report-out of results of the satellite remote sensing on specified and limited Distribution and Transmission ROW.
  - Quality metrics demonstrating the accuracy of the modeling.
  - Provide a resource to the fire mitigation side of NDPP for prioritizing their circuit work.
  - Demonstrate workflow capabilities.
  - Demonstrate its use for field execution.
- The scope of the pilot project:
  - Duration = 12 months
  - Overhead transmission = 500 miles
  - Overhead distribution = 1,250 miles
  - Over Tier 3, Tier 2, Tier 1E, non-Tier selected circuits.
- Cost and time to implement = $249,700.

Alternative(s) Considered:

Alternatives:

1. More people –
2. LiDAR –
3. Different vendors/products –
4. Do nothing or make no decision –

Risk Associated to Alternative(s) Considered:

1. More people – already difficult to acquire additional trained and qualified personnel.
2. LiDAR – far more expensive and not timely, often months to years old data.
3. Different vendors/products – Several only use LiDAR, not satellite imagery. If the pilot project proves successful, then we could follow Procurement policies and go out to bid, better knowing what we are looking for. A dialed in scope-of-work.
4. Do nothing or make no decision and keep doing what we currently are doing. This does not address the concerns of BHE and its investors seeking risk aversion. There are impacts to rate payers, timeliness, rate increases, and not efficient use of rate payer investments. Exposure to fire risk is obvious. We could be doing all the right work, in the wrong place, unaware of the real extreme risk areas.

Vegetation Management – AiDash
Key Decision Report

Conclusion:

Implementing this pilot project with AiDash will demonstrate NV Energy's attempts to implement technology. This addresses the GIC Best Practices initiative. It will prove to the PUCN, our investors, and our rate payers whether we are most efficiently utilizing our limited resources, both manpower and financial. It will provide a resource not currently available to the fire mitigation side of NDPP to prioritize their circuit work. Possibly providing them an automated workflow process. It will demonstrate also that we are joining efforts with Technosylva to improve usable data, making it more accurate and cost efficient. Most importantly, we focus our limited resources on those specific areas within our high-risk fire Tiers that require work. This singularly mitigates the greatest fire risk to our system.

Recommendations Coordinated and Agreed With:

Mark Young – Manager, Vegetation Management — Date: 2/7/2025

Danyale Howard – Director, Natural Disaster Protection — Date: 2.7.2025

Jesse Murray – Sr. Vice President, Energy Delivery — Date: 2/7/2025

[Name] – [Title] — Date

[Name] – [Title] — Date

Natural Disaster Protection Plan
Mount Charleston Rebuild

Key Decision Report

Description: Decision regarding rebuilding the Mount Charleston region in Tier 3 to reduce fire ignition risk and eliminate the need for proactive de-energization events in the area.
ID:
Owners: Danyale Howard & Dan Zaccagnino
Date: 4/5/2024

Description of Key Decision:

In its order for NV Energy's 2023Triennial Natural Disaster Protection Plan Update ("2023 NDPP"), the Commission noted that the budget in that NDPP for Nevada Power Company undergrounding only included approximately $1.9 million for Angel Peak, with approximately $15.9 million for Mount Charleston appearing as a line rebuild budget item. The Commission approved the approximately $15.9 million dollars for the Mount Charleston line rebuild design and permitting but did not as that time approve any additional spending beyond that amount, nor beyond the 2024-2026 triennium.

NV Energy's 2023 NDPP identified portions of the Mount Charleston distribution line that have experienced extreme damage, most specifically in the wildfire Tier 3 area. Currently, the short- and medium-term wildfire mitigation preventive actions include initiating Public Safety Outage Management ("PSOM") events.

NV Energy is evaluating long-term wildfire mitigation efforts, such as system hardening options to reduce the risk of a wildfire being caused by utility infrastructure during extreme fire weather, while also minimizing the likelihood of PSOM events in the Mount Charleston area. The system hardening activities under evaluation include undergrounding sections of the circuits, installing ductile iron in place of wood-pole-equivalent structures, and utilizing tree-wire covered conductor or spacer cable technology and changes in engineering and design specifications. NV Energy is also evaluating a permanent microgrid in the Mount Charleston region to minimize and reduce the number of PSOM events for the businesses and residents and to reduce the risk of wildfire ignition.

Recommendations:

This report makes the following recommendation(s):

1. Amend the 2023 NDPP in the 1st Amendment filing and the NV Energy 10-year plan to include the full buildout construction cost for the Mount Charleston Rebuild according to the evaluation matrix. Components include:
    a. Procure and implement a fire season activated microgrid using a combination of solar photovoltaic ("PV") generation, battery energy storage system ("BESS"), and propane generation at a 50% renewable fraction.
    b. Reconductor the existing Kyle Canyon 1201 circuit with Tier 3 construction standards, including covered conductor (Tree wire), ductile iron poles, fire mesh wrap technology, non-expulsion fuses, etc…
    c. Provide necessary civil site maintenance to Kyle Canyon substation for proper draining, retaining walls, and other improvements as needed.

Discussion:

Background

The United States Forest Service ("USFS") and Mount Charleston Fire protection agencies document Mount Charleston as high risk for fire ignition and spread resulting in a catastrophic event. The ranking is due to environmental conditions combined with the lack of evacuation routes. Currently, the short- and medium-term wildfire mitigation preventive actions include activating a PSOM. Each PSOM event affects approximately 476 customers including 28 major accounts. NV Energy's evaluation of long-term wildfire mitigation efforts for Mount Charleston included 11 different options ranging from converting approximately 20 miles of the total Mount Charleston distribution system to a modern fire mitigation design that consists of an underground and overhead covered conductor system that best complies with engineering and design specifications, to a new underground feeder from the Northwest substation or Cold Creek substation, to a permanent microgrid solution for the Mount Charleston area. The Companies collaborated with state, federal and local agencies to consider multiple options for Mount Charleston fire mitigation construction routes.

Mount Charleston Microgrid

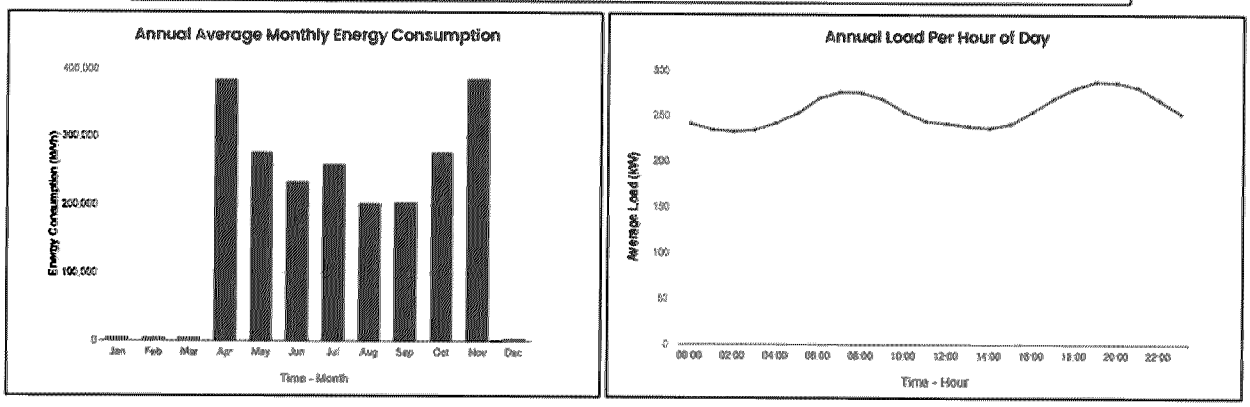
NV Energy has successfully deployed a microgrid in the form of a traditional diesel generator at Kyle Canyon in the Mt. Charleston to provide customers with service continuity during PSOM events. To further NV Energy's knowledge and potential use of microgrids in areas with high risk of service interruption due to natural causes like fire or wind and additionally to explore a non-wires solution to the service reliability challenges in the area as opposed to the potentially expensive traditional wired capital upgrade solution options, NV Energy worked with a provider of turnkey microgrid solutions for off-grid and grid-tied applications (the "consultant") to

determine a preliminary scope and indicative pricing for a hybrid remote grid solution that would operate during the typical months when PSOM events have occurred in the area.

Using historical loading data from the Kyle Canyon 1201 distribution feeder, the consultant created the energy load analysis in Figure 1 using the HOMER Energy software to determine the ideal hybrid energy system to serve the load. The microgrid would operate fully islanded from the main power grid during the fire season (April 1 through November 30) and operate in standby mode for any unexpected outages during the five months outside of the fire season.

FIGURE 1:
ENERGY LOAD ANALYSIS FOR MT. CHARLESTON

Load Summary		
Metric	Value	Unit
Peak	899.945 kW	
Average Power	257.518 kW	
Average Energy	6180.43 kWh/d	
Annual Usage	2255856.33 kWh/yr	



Location

The proposed location for the microgrid would be a partnership with the Clark County Spring Mountains Visitor Center (see Figure 2) that could utilize the large open space parking lot and surrounding area for a ground-based solar PV array, BESS, and propane generator, or parking shade structures or the rooftop of the Visitor Center for an elevated solar PV system.

FIGURE 2:
SPRING MOUNTAINS VISITOR CENTER AERIAL

System Architectures

Two microgrid system architectures were analyzed to determine the optimal system based upon performance and cost. System 1 was designed to achieve an 80 percent renewable fraction and so would require a larger capacity solar PV system, inverters, and BESS. System 2 was designed to achieve a 50 percent renewable fraction and so would require a smaller capacity solar PV system, inverters, and BESS, but a larger annual fuel consumption by the propane generator to sustain the local load during peak times. Table 1 below summarizes the two system architectures.

TABLE 1:
MICROGRID SYSTEM ARCHITECTURES SPECIFICATIONS

Equipment	System 1: 80 Percent Renewable Fraction		System 2: 50 Percent Renewable Fraction	
	Aggregate Capacity	Unit	Aggregate Capacity	Unit
PV Inverter	1,800	kW	1,000	kW
PV Module	2,250.38	kW_DC	1,250	kW_DC
BESS Inverter	3,000	kVA	2,000	kVA
(power capacity)	2,937	kW	1,958	kW
BESS (energy capacity)	11,748	kWh	7,832	kWh
Generator	1,250	kVA	1,250	kVA
	1,000	kW	1,000	kW
Propane Tank	16,000	Gals	16,000	Gals
Renewable Fraction	80	Percent	50%	Percent
Annual Fuel Consumption	32,144	Gals	79,925	Gals

Tables 2 and 3 below summarize the expected annual energy production and emissions of the two microgrid system architectures.

TABLE 2:
MICROGRID EXPECTED ANNUAL ENERGY PRODUCTION

Component	System 1: 80 Percent Renewable Fraction		System 2: 50 Percent Renewable Fraction	
	Energy Production	Unit	Energy Production	Unit
Solar	3,071,727	kWh/yr	1,706,515	kWh/yr
1 MW Genset	450,478	kWh/yr	1,104,035	kWh/yr
Total	3,522,205	kWh/yr	2,810,550	kWh/yr

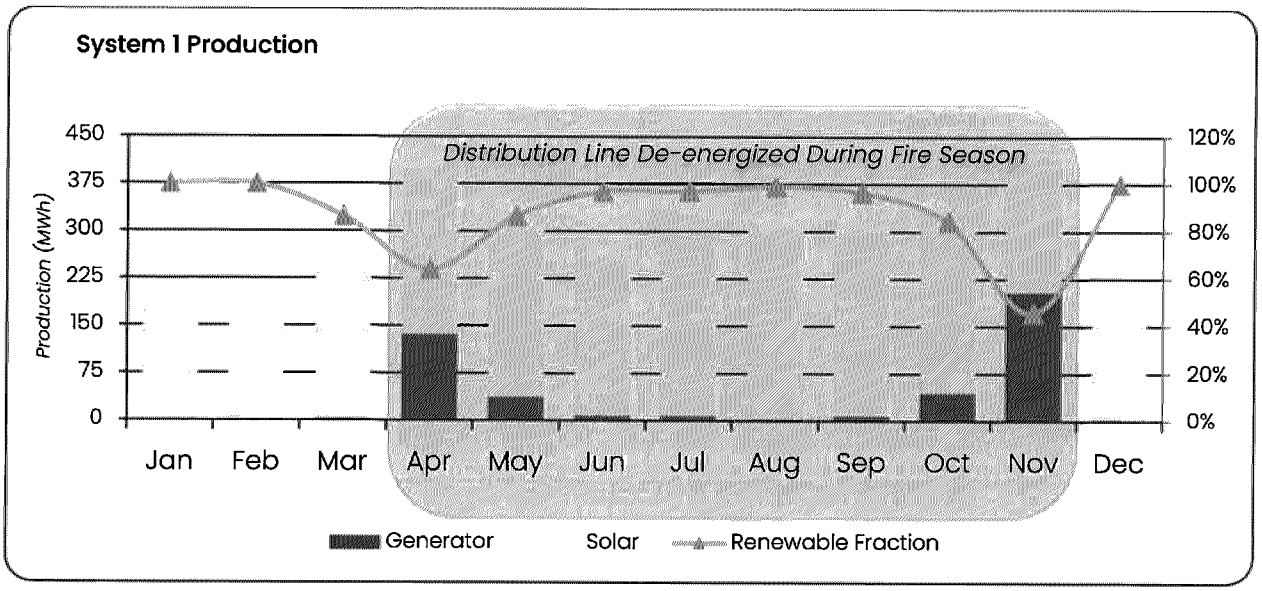
TABLE 3:
MICROGRID EXPECTED ANNUAL EMISSIONS

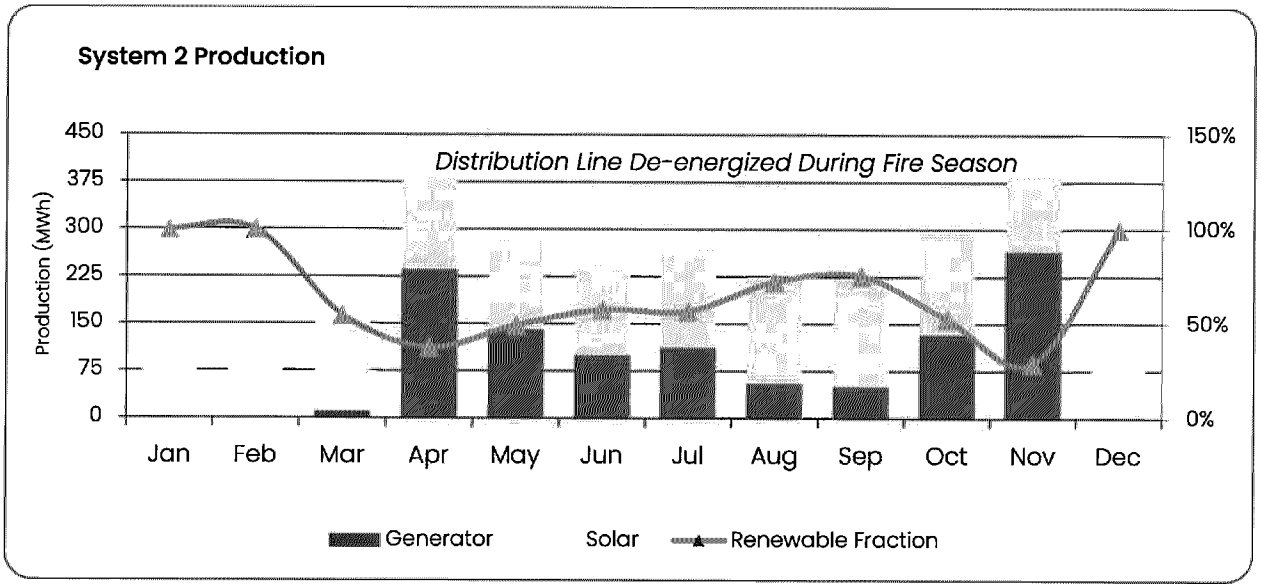
Pollutant	System 1: 80 Percent Renewable Fraction		System 2: 50 Percent Renewable Fraction	
	Quantity	Unit	Quantity	Unit
Carbon Dioxide	319	MT/yr	793	MT/yr
Carbon Monoxide	1.6	MT/yr	4.10	MT/yr
Unburned Hydrocarbons	.087	MT/yr	.022	MT/yr
Particulate Matter	.0141	MT/yr	.035	MT/yr
Sulfur Dioxide	.780	MT/yr	.019	MT/yr
Nitrogen Oxides	.0316	MT/yr	.079	MT/yr

Operational Configuration

The microgrid would operate in islanded mode during the fire season relying on propane generator backup. NV Energy would be able to monitor and control when in the year the system is to be islanded or operated in parallel with existing distribution system in the area. During the summer months, when the solar PV system production is greatest, less backup generation would be required. Figure 3 below for a summarizes the expected monthly energy production and renewable fractions for the two systems.

FIGURE 3:
MICROGRID EXPECTED MONTHLY ENERGY PRODUCTION AND RENEWABLE FRACTIONS





Pricing

The microgrid solution is cheaper than any of the other rebuild or new feeder options and combined with system hardening efforts to reconductor KC1201 provides the greatest cost/benefit ratio. High level estimates include approximately $21.8 million in capital investment to procure and install the 50% renewable fraction microgrid, reconductor KC1201 and perform civil site improvements at Kyle Canyon substation. Estimated annual operation and maintenance/service costs are $100,000. Estimated annual fuel costs are $160,000.

Value Added Benefits

There are several value-added benefits by implementing the recommendation. The Mount Charlston region will become separated into two different proactive de-energization zones: Angel Peak and Kyle Canyon. Based upon historical weather data, approximately 100 percent of the PSOM events for Mount Charleston are from the weather conditions present on top of Angel Peak, whereas only about 20 percent of the time the weather conditions present in Kyle Canyon meet the PSOM threshold criteria for de-energization. Thus, the residents and businesses will see a great reduction in PSOM events per year. The recommended solution has a greater cost/benefit ratio compared to the other options resulting in approximately 38 percent to 73 percent capital expense cost avoidance. Given the number of customers benefiting, keeping costs low is a crucial component of the cost/benefit analysis. Other value-added benefits are a positive environmental impact and a positive customer outlook by increased use of renewable energy resources.

Alternative(s) Considered:

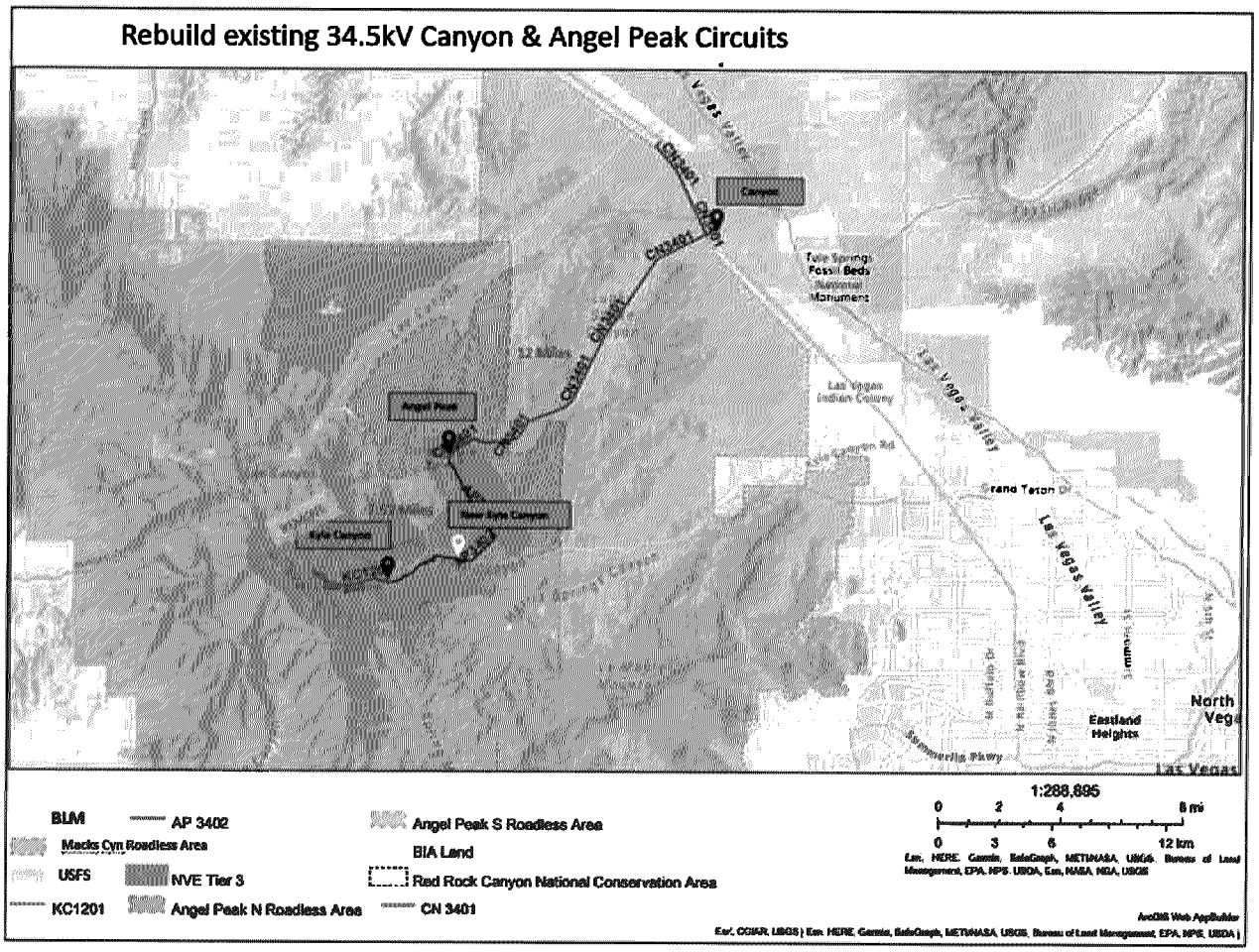
Four other alternatives, most with variations within them, were explored. However, given the environmental permitting constraints of routing a new overhead line through the Red Rock Canyon National Conservation Are ("RRCNCA") and USFS Roadless Areas, these options would prove to be most difficult and time intensive to permit. These options included:

1) Rebuilding the existing Canyon and Angel Peak 34.5kV lines along a parallel path to the existing line, requiring a shift in the current right-of-way grant and likely additional vegetation management;
2) Replacing the existing Canyon and Angel Peak 34.5kV lines with a new 12kV line along a parallel path to the existing line, rebuilding Canyon substation, and removing Angel Peak and Kyle Canyon substations, with similar right-of-way issues as Option #1;
3) Building a new 12kV line out of Cold Creek substation avoiding the RRCNCA, however, the new line would require construction through pre-defined USFS roadless areas, and removing Angel Peak and Kyle Canyon substations; and
4) Building a new 12kV line out of Northwest substation undergrounded along state route 157 to intercept at Kyle Canyon substation, however, the cost of building underground approximately 18.5 miles is prohibitive.

Option 1

Figure 4 below shows Option 1.

FIGURE 4:
OPTION 1: REBUILD EXISTING 34.5KV CANYON AND ANGEL PEAK CIRCUITS



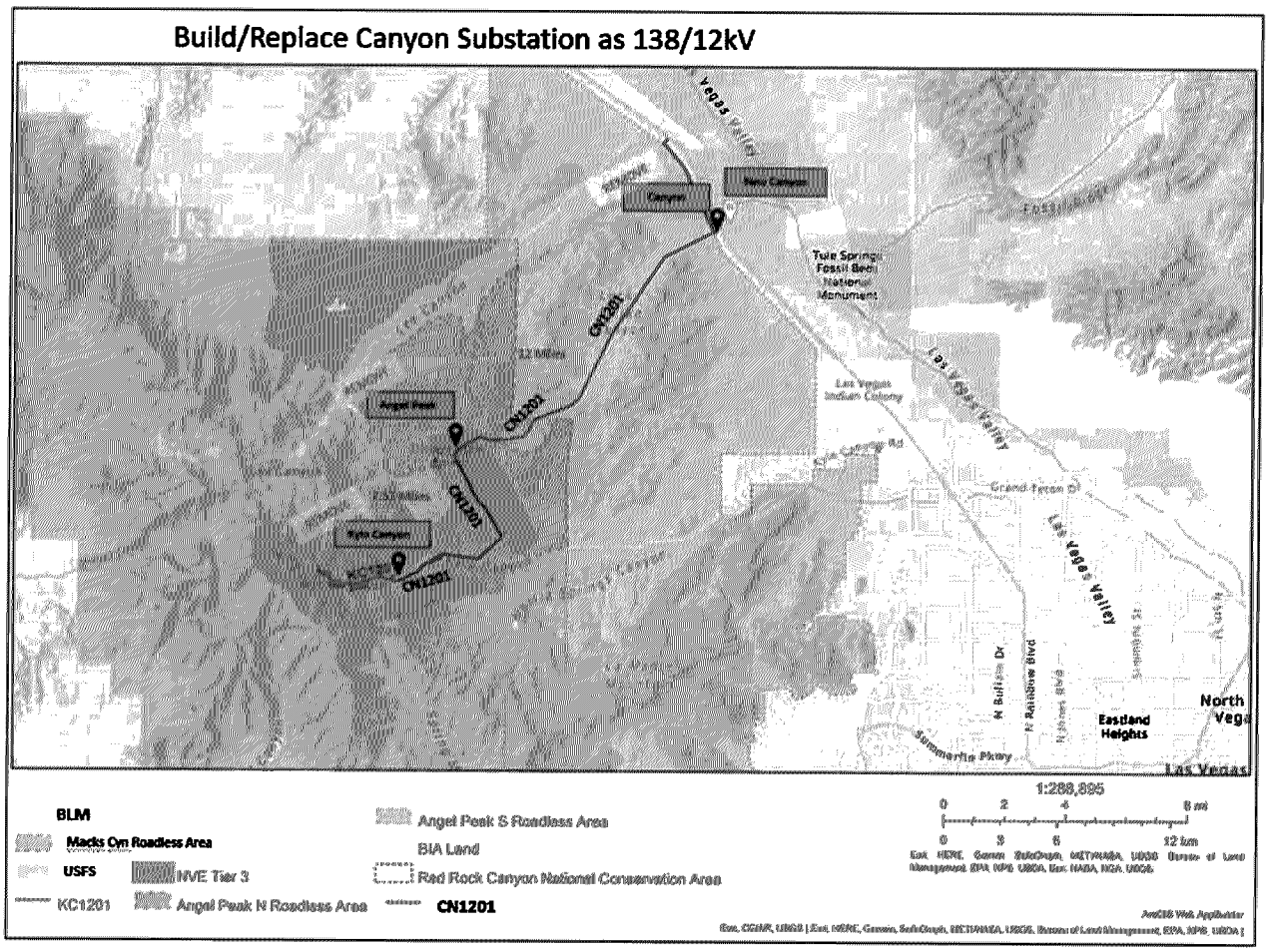
This option would rebuild twenty miles of the existing Canyon and Angel Peak 34.5 kV overhead pole line using ductile iron poles (where accessibly is an option) and tree-wire covered conductor specifications. This rebuild would be constructed in parallel to the existing 34.5 kV distribution line, in order to continue to provide service to existing customers being served from the radial line during construction and minimize outages for cutting-over to the new circuit. The scope would also include relocating the existing Kyle Canyon substation to a less forested area and extending the existing 12 kV circuit that feeds the Mount Charleston residents to the new substation. As with Option 4, this existing circuit would also be rebuilt to be placed underground or would be constructed using tree-wire covered conductor or spacer cable technology and specifications where deemed most applicable.

NV Energy currently projects the costs for this option to range from $39 million to $56 million, depending on the permitting restrictions through the Bureau of Land Management's ("BLM") RRCNCA and USFS.

Option 2

Figure 5 below shows Option 2.

FIGURE 5:
OPTION 2: BUILD/REPLACE CANYON SUBSTATION AS 138/12KV



This option would construct a new 12 kV circuit from Canyon substation, following the right of way for the existing 34.5 kV circuit. Similar to Option 1, the new distribution line would be constructed as an overhead pole line using ductile iron poles (where accessibly is an option) and tree-wire covered conductor specifications. For locations where accessibly is limited, fire-wrapped wood poles would be used. The new circuit would be constructed in parallel to the existing 34.5 kV distribution line, in order to continue to provide service to existing customers

being served from the radial line during construction and minimize outages for cutting-over to the new circuit. This scope would also include rebuilding and relocating the existing 138/34.5 kV Canyon substation to a new 138/12 kV Canyon substation. This new substation would be relocated outside of the RRCNCA and would be served via a fold-in of the existing Northwest-Mercury 138 kV transmission line, where currently the 138/34.5 kV substation is just a tap of the existing transmission line.

Similar to Option 4, this new feeder would tie into the existing 12 kV circuit that currently serves residents in the Mount Charleston area. This existing circuit would also be rebuilt to be placed underground or would be constructed using tree-wire covered conductor or spacer cable technology and specifications where deemed most applicable.

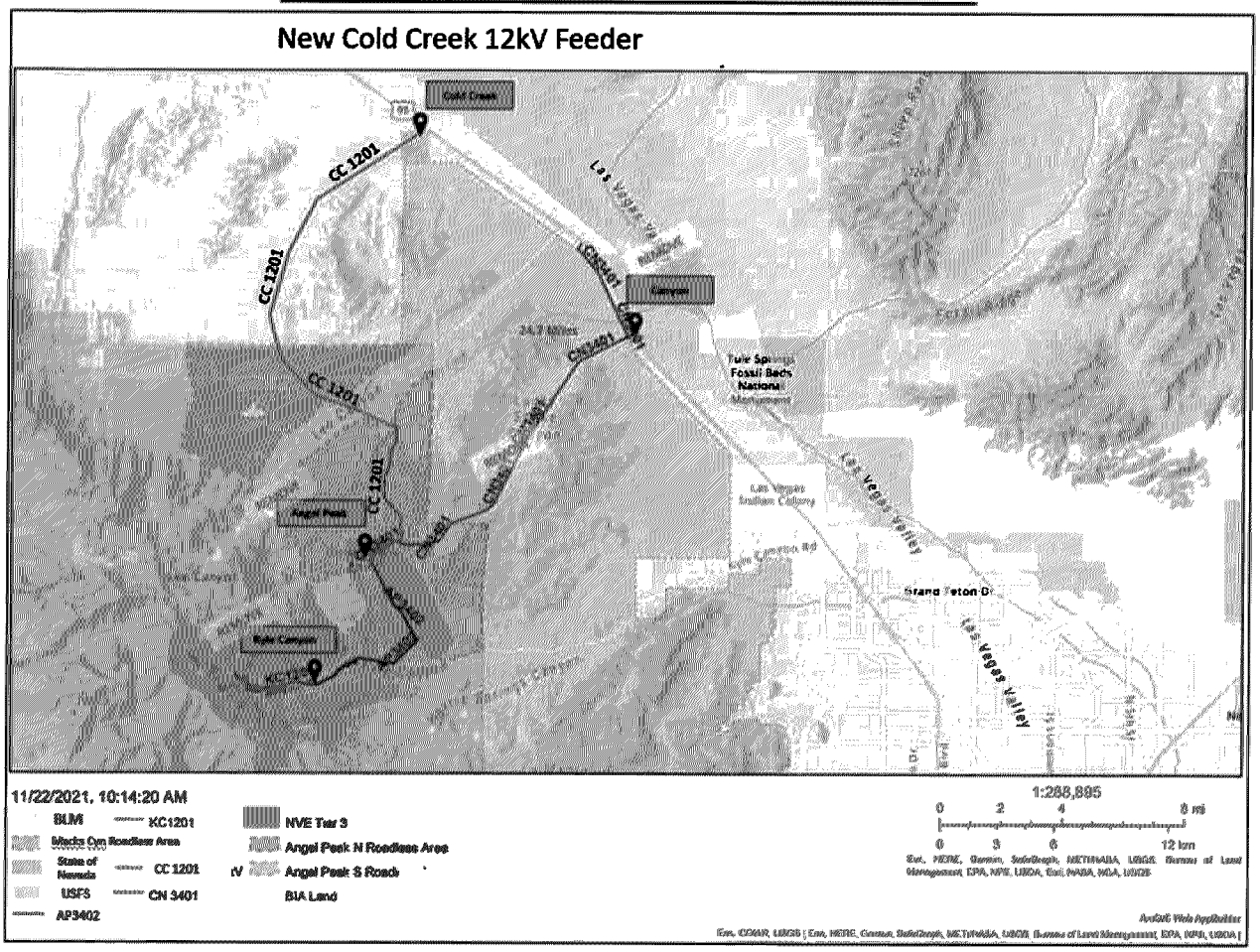
Once completed, NV Energy would remove the existing 34.5 kV infrastructure, which includes Kyle Canyon, Angel Peak and the 138/34.5 kV Canyon substations and associated 34.5 kV distribution pole line.

NV Energy currently projects the costs for this option to range from $53 million to $62 million, depending on the permitting restrictions through the BLM's RRCNCA and USFS.

Option 3

Figure 6 below shows Option 3.

FIGURE 6:
OPTION 3: NEW COLD CREEK 12KV FEEDER



This option would construct a new 25-mile 12 kV distribution circuit from Cold Creek substation. This new circuit would circumvent the RRCNCA and would be constructed as an overhead pole line using ductile iron poles (where accessibly is an option) and tree-wire covered conductor specifications within the Tier 3 zone. For locations where accessibly is limited, fire-wrapped wood poles will be used. The new circuit would be constructed in parallel to the existing 34.5 kV distribution line, near Angel Peak substation and towards Kyle Canyon substation, in order to continue to provide service to existing customers being served from the existing radial line during construction and minimize outages for cutting-over to the new circuit. This option would require construction of the new 12 kV circuit through existing pre-determined USFS roadless areas.

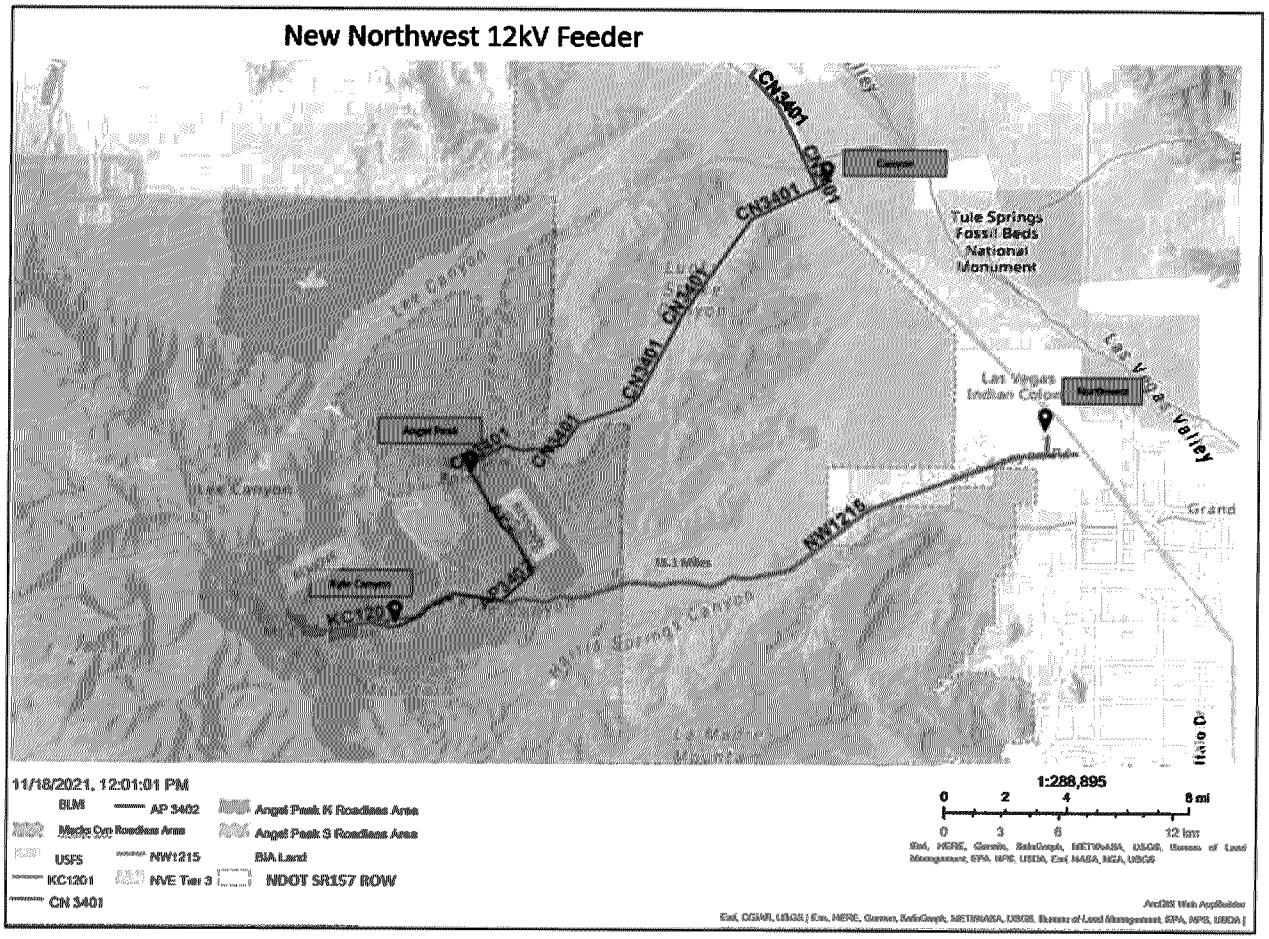
Similar to Option 4, this new feeder would tie into the existing 12 kV circuit that currently serves residents in the Mount Charleston area. This existing circuit would also be rebuilt to be placed underground or would be constructed using tree-wire covered conductor or spacer cable technology and specifications where deemed most applicable.

Once completed, NV Energy would remove the existing 34.5 kV infrastructure, which includes Kyle Canyon, Angel Peak and Canyon substations and associated 34.5kV distribution pole line.

NV Energy currently projects the cost for this option is approximately $40 million, depending on the permitting restrictions through the USFS.

Option 4

FIGURE 7:
OPTION 4: NEW NORTHWEST 12KV FEEDER



This option would construct a new 18.5-mile 12 kilovolt (kV) distribution line from NV Energy's existing Northwest substation. This new line would likely be a combination of both overhead and underground segments that would follow the existing state route 157 right of way towards Kyle Canyon. The new feeder would tie into the existing 12 kV circuit that currently serve residents in the Mount Charleston area. This existing circuit would also be rebuilt to be placed underground or would be constructed using tree-wire covered conductor or spacer cable technology and

specifications, where deemed most applicable. NV Energy would use ductile iron wood-pole equivalent structures for any overhead poles that are built within the Tier 3 zone where accessibility to the pole with a NV Energy line truck is available. Poles in less accessible areas would be constructed using fire-wrapped wood poles.

Upon completion of the new construction and cutover of the residents to the new feeder, NV Energy would remove the existing Kyle Canyon substation and 34.5 kV circuit that leads back to Angel Peak substation. Angel Peak substation would be left in-place and continue to be served via Canyon substation's 34.5 kV circuit.

NV Energy currently projects the costs for this option to range from $35 million to $80 million, depending on the permitting restrictions through the BLM's RRCNCA and USFS.

Risk Associated to Alternative(s) Considered:

Extensive permitting constraints and difficult to access roadway has the potential to create delays in the project timeline. BLM, RRCNCA, NDOT and USFS permits are all required for the alternatives which can take several years for approval depending on the environmental impact study. Furthermore, the RRCNCA has not allowed new permitting in the area since the original power lines were built and there is a risk no new permits would be allowed.

Do nothing as an alternative also has risk associated with it such as increased wildfire risk, high number of PSOM events that upset customers, high operating of fuel costs for the short term leased back up diesel generators and poor public image for not taking action to reduce wildfire risk for the customers in the area.

Appendix A Evaluation Matrix

SUBSTATION: Northwest / Kyle Canyon / Angel Peak / Canyon

Goal: MITIGATE WILDFIRE RISK IN MT CHARLESTON REGION

OPTION MATRIX

	JUDGING CRITERIA	Option #1	Option #2	Option #3	Option #4	Option #5	Option #6	Option #7	Option #8	Option #9	Option #10	Option #11
High-Level Description of Proposed Substation Configuration		[illegible]	[illegible]	[illegible]	Rebuild existing Canyon-AP-KC 34.5kV, Relocate KC Substation, UG Existing KC1201 Circuit	[illegible] existing Canyon [illegible] 34.5kV, Relocate KC Substation, Reconductor existing KC 1201 to Tree-wire or Spacer wire	[illegible]	[illegible]	[illegible] AP to KC 35, remove CY, AP and KC Substations; Reconductor existing KC 1201 to Tree-wire or Spacer wire	Fire season activated microgrid. Combination of solar PV, and propane generators at 60% renewable fraction. Reconductor existing KC1201 to Tree-wire or Spacer Cable. Civil Site improvements at KC Sub	Fire season activated microgrid. Combination of solar PV, and propane generators at 60% renewable fraction. Civil Site improvements at KC Sub	Fire season activated microgrid. Combination of solar PV, and propane generators at 80% renewable fraction. Civil Site improvements at KC Sub
Planning Study Completed		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Completed	[illegible]	Completed	TBD	TBD	TBD
APN		Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple
General Location		Kyle Canyon	Kyle Canyon	Kyle Canyon	Kyle Canyon, Angel Peak, Lucky [illegible]	[illegible]	Kyle Canyon, Angel Peak, Lucky Lee Canyon	Kyle Canyon, Angel Peak, Lucky [illegible]	Cold Creek, Angel Peak, Lucky [illegible]	Kyle Canyon	Kyle Canyon	Kyle Canyon
Current Land Use		Public and Private Use	Public and Private Use	Public and Private Use	Public and Private Use	Public and Private Use	Public and Private Use	Public and Private Use	Public and Private Use	Public and Private Use	Public and Private Use	Public and Private Use
Owner		BLM, US Forest Service, NDOT, Clark County, various private	BLM, US Forest Service, NDOT, Clark County, various private	BLM, US Forest Service, NDOT, Clark County, various private	[illegible]	[illegible]	BLM, US Forest Service, NDOT, Clark County, various private	BLM, US Forest Service, NDOT, Clark County, various private	BLM, US Forest Service, NDOT, Clark County, various private	BLM, US Forest Service, NDOT, Clark County, various private	BLM, US Forest Service, NDOT, Clark County, various private	BLM, US Forest Service, NDOT, Clark County, various private
($) SUBSTATION	Remove KC Substation	[illegible]	[illegible]	$40,000			[illegible]	[illegible]	[illegible]			
	Rebuild/relocate KC Substation				[illegible]	[illegible]						
	Rebuild Canyon 138/12kV						[illegible]	[illegible]				
	Remove Canyon Sub								[illegible]			
	Remove Angel Peak Sub						[illegible]	[illegible]	$100,000			
	New Microgrid 3 acres									$10,0[illegible]	[illegible]	[illegible]
	Civil Site improvements KC Substation									$850,000	$850,000	[illegible]
	12kV Breaker @ Cold Creek								[illegible]			
($) DISTRIBUTION	OH 12kV Tier 1&2 NW1215	[illegible]		[illegible]								
	UG 12kV Tier 1&2 NW1215		[illegible]									
	UG 12kV Tier 3 NW1216	[illegible]	[illegible]	[illegible]								
	OH 12kV Reconductor KC1201 [illegible]			$9,882,000		$9,802,000		$9,602,000	$9,882,000	$9,882,000		
	UG 12kV KC1201	[illegible]	[illegible]		$20,400,000		[illegible]	$20,400,000				
	Extend UG 12kV KC1201 to new KC [illegible]				$2,400,000	$2,400,000						
	OH 34.5kV Rebuild CY-AP-KC				$10,140,000	$10,140,000						
	OH 12kV Rebuild CY-AP-KC						[illegible]	[illegible]				
	OH 12kV New Cold Creek Feeder								$22,080,000			
($) LANDS ROW		$1,050,000	[illegible]	$1,050,000	$1,050,000	$1,050,000	$1,050,000	$1,050,000	$1,050,000	[illegible]	$1,050,000	[illegible]
($) ENVIRONMENTAL		$6,497,000	$6,497,000	$6,497,000	$6,497,000	$6,497,000	$6,497,000	$6,497,000	$6,497,000	$525,000	$525,000	[illegible]
($) COMMUNICATIONS	Fiber from NW to Mt. Charleston [illegible]	$1,066,500	$1,066,500	[illegible]	$1,066,500	[illegible]	$1,066,500	$1,066,500	$1,066,500	$525,000	$625,000	$625,000
($) TRANSMISSION							$1,200,000	$1,200,000				
TOTAL COST		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	$63,218,400	$52,110,400	[illegible]	[illegible]	[illegible]	[illegible]
LANDS - Right-of-Way Agent	BLM vs. Private; Availability; Acreage						BLM Grant Specifically for 34.5KV, to change the voltage to 12kV would require new/amended grant from BLM	BLM Grant Specifically for 34.5KV, to change the voltage to 12kV would require new/amended grant from BLM		Estimated 3 acres needed for PV. Proposed location Clark County visitor center, parking lot area.	Estimated 3 acres needed for PV. Proposed location Clark County visitor center, parking lot area.	Estimated 3 acres needed for PV. Proposed location Clark County visitor center, parking lot area.
ENVIRONMENTAL	Permitability through the Red Rock Canyon National Conservation Area (RRCNCA); [illegible]	NW 1215 feeder crosses the RRCNCA so BLM may not accept/process SF299 applications. We won't know until we have all project specifics and formally submit such applications and initiate those discussion at such time. Potential contentious public opposition to new OH across the RRCNA and USFS lands of Kyle Canyon Road, potential negative publicity to propose undergrounding [illegible]	NW 1215 feeder crosses the RRCNCA so BLM may not accept/process SF299 applications. We won't know until we have all project specifics and formally submit such applications and initiate those discussion at such time. Potential contentious public opposition to new [illegible] across the RRCNA and USFS lands of Kyle Canyon Road, potential negative publicity to propose undergrounding [illegible]	NW 1215 feeder crosses the RRCNCA, so BLM may not accept/process SF299 applications. We won't know until we have all project specifics and formally submit such applications and initiate those discussion at such time. Potential contentious public opposition to new [illegible] across the RRCNA and USFS lands of Kyle Canyon Road, potential negative publicity to propose undergrounding [illegible]	Rebuilding CN-AP crosses RRCNCA so BLM may not accept/process SF299 applications, even for a rebuild. We won't know until we have all project specifics and formally submit such applications and initiate those discussion at such time. Potential contentious public opposition to rebuilding CN-AP and AP-KC, especially if proposal includes putting [illegible]	Rebuilding CN-AP crosses RRCNCA so BLM may not accept/process SF299 applications, even for a rebuild. We won't know until we have all project specifics and formally submit such applications and initiate those discussion at such time. Potential contentious public opposition to rebuilding CN-AP and AP-KC, especially if proposal includes putting KC1201 underground, potential [illegible]						
SUBSTATION	[illegible]	Removal of Kyle Canyon Substation. SUBSTATION: SEL-451 at NW, SEL-T401L at AP and CN, control enclosure, [illegible]	Removal of Kyle Canyon Substation. SUBSTATION: SEL-451 at NW, SEL-T401L at AP and CN, control enclosure, [illegible]	Removal of Kyle Canyon Substation. [illegible]	SUBSTATION: SEL-T401L at AP and CN, control enclosure, [illegible]	Build a new Canyon substation next to existing? [illegible]	Build a new Canyon substation next to existing? [illegible]	SUBSTATION: SEL-3530/3555 [illegible]	SUBSTATION: SEL-3530/3555 [illegible]			
DISTRIBUTION PLANNING & DESIGN	[illegible]	1. Install ~15.9 miles of 3-954 AA overhead conductor [illegible]	1. Install ~3,052 feet of 3-954 AA overhead conductor [illegible]		Tree-wire for 34.5kV? Need to get Standards involved. Spacer?		Construction: 1. Convert existing Canyon sub from 34.5 kV to 12.47 kV [illegible]	Would require converting the service of all 34.5kV service points, AP is currently under a 12kV conversion [illegible] project				
COMMUNICATIONS	[illegible]	Fiber to Comm site @ Mt. Charleston (From NW)?	Fiber to Comm site @ Mt. Charleston (From NW)?	Fiber to Comm site @ Mt. Charleston (From NW)?	Can tap the Mercury-NW Fiber and bring out to AP and KC?? Or investigate new fiber from NW up to [illegible]		Might be limited to just Fiber from NW to Canyon	Might be limited to just Fiber from NW to Canyon				
PERMITTING RISK		MODERATE	LOW	MODERATE	HIGH	HIGH	HIGH	HIGH	HIGH	LOW/MOD	LOW/MOD	LOW/MOD
WILDFIRE IGNITION RISK		LOW	LOW	LOW/MOD	MODERATE	MODERATE	MODERATE	MODERATE	MODERATE	LOW/MOD	MODERATE	MODERATE
SITE RANKING		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	Option #1	Option #2	Option #3	Option #4	Option #5	Option #6	Option #7	Option #8	Option #9	Option #10	Option #11
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	$12,950,000	$17,450,000
Total Score	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10

NVEnergy

Recommendations Coordinated and Agreed With:

Dan Zaccagnino, NDPP Sr. Project Manager	Date
Danyale Howard	2.7.2025
Danyale Howard, Director, Natural Disaster Protection	Date
Jesse Murray	2/7/2025
Jesse Murray, Senior Vice President, Energy Delivery	Date
[Name] – [Title]	Date
[Name] – [Title]	Date

NV Energy

RESPONSE TO INFORMATION REQUEST

DOCKET NO:	24-12016	**REQUEST DATE:**	01-21-2025
REQUEST NO:	Staff 23	**KEYWORD:**	NVE's 10-Year Business Plan
REQUESTER:	Shil	**RESPONDER:**	Philavanh, ShazzyLynn

REQUEST:

Reference: NDPP 10-year Plan Confirmation

Question: Staff-9 response specifies that scope and cost estimates for future triennial plans are not available.

Please confirm that NVE's 10-year business plan does not include any NDPP program estimates or forecasts for future triennial plans. If they are included in the 10-year business plan, even in draft format, please provide those forecasts.

RESPONSE CONFIDENTIAL (yes or no): No

ATTACHMENT CONFIDENTIAL (yes or no): Yes.
Note: The confidential attachment(s) will not be available on the Company's website

JUSTIFICATION FOR CLAIM OF CONFIDENTIALITY: The attachment includes information from the Companies' Business Plan, which includes confidential and proprietary business assumptions and forecasts. Public disclosure of these assumptions and forecasts will harm the Companies and its customers.

TOTAL NUMBER OF ATTACHMENTS: One (Zipped)

RESPONSE:

See attached "24-12016 Staff 23 - Confidential Attach 01".

Provided in the attachment are the 2025-2034 capital and OMAG forecasts, and capital budget from the most current 10-year business plan for NDPP programs (not GRC NDPP programs). The

forecasts and budget provided are confidential and subject to change as part of business planning and forecasting process. Disclosure of information from the Business Plan is limited to Staff and the Bureau of Consumer Protection.

NV Energy

RESPONSE TO INFORMATION REQUEST

DOCKET NO:	24-12016	**REQUEST DATE:**	03-13-2025
REQUEST NO:	SNGG 2-35	**KEYWORD:**	
REQUESTER:	Foletta	**RESPONDER:**	Costello, Brian (NV Energy)

REQUEST:

Regarding, the AiDash KDR is dated 04/18/2024, explain why this request was not part of the Second Triennial Natural Protection Plan?

RESPONSE CONFIDENTIAL (yes or no): No

TOTAL NUMBER OF ATTACHMENTS: None

RESPONSE:

The Second Triennial Natural Disaster Protection Plan was filed on March 1, 2023 in Docket No. 23-03003. The Companies became aware of AiDash and decided to pursue a pilot project after that filing had occurred.

Mark P. Regan

AllProFireMitigationConsulting@gmail.com • (775) 461 6200

MISSION STATEMENT

With over thirty-five years of commitment, I am dedicated to enhancing community safety by minimizing the impact of fires, disasters, hazardous conditions, illnesses, and injuries. My expertise includes fire investigation and fire risk reduction, where I apply thorough analysis and effective mitigation strategies to prevent and manage fire-related incidents. I excel in collaborating with elected officials, politicians, and federal and state agencies to secure support for innovative solutions to complex challenges. Through robust information dissemination, public education, and efficient resource utilization, I uphold the highest standards of professionalism, respect, teamwork, and safety. I am committed to continually improving services and addressing the evolving needs of diverse communities by implementing cutting-edge technology and forward-thinking solutions.

PROFESSIONAL EXPERIENCE

All Pro Fire Mitigation Consulting LLC **January 2025 to Current**
Senior Consultant and Member

- Determine Cause and Origin of wildland fires, structure and vehicle fires for insurance companies and utility companies
- Provides Fire Risk Assessment and Mitigation Plans for homeowner associations
- Provides Fire Risk Assessments for insurance companies
- Assist fire agencies with wildland fire cause and origin fire mapping, fire modeling and fire risk assessments
- Review of Natural Disaster Protection Plans and Wildland Risk Reductions Plans developed by utility companies.
- Review and draft data requests for public utility filings for Natural Disaster Mitigation Plans and Wildland Risk Reductions Plans

NV Energy, Las Vegas, NV **September 2019 – November 2024**
Fire Mitigation Specialist / Fire Chief

- Provides leadership and program direction for NV Energy's wildfire mitigation plan and strategy
  - Help Developed and implemented NV Energy's first-ever Natural Disaster Protection Plan (NDPP)
  - Helped ensure NDPP aligned with existing statutes, codes, regulations, and Public Utility Commission (PUC) requirements
  - Expedited project approval through securing master permits from both the United States Forest Service (USFS) and the state of Nevada to maintain energy rights-of-way easements
  - Established NV Energy's first joint-resilient corridor decision memo from the USFS for two different forests
  - Lowered company's fire risk and project costs through Shared Stewardship Agreements and Cost Share Agreements with the USFS
- Maintains relationships with external entities regarding fire management program issues
  - Coordinated NV Energy's short- and long-range fire mitigation strategies across all departments, Department of Agriculture, Bureau of Land Management (BLM), USFS, tribes, fire departments, and other federal and state agencies

- Created company's benchmark for assembling external Expert Working Groups (EWG) involving federal, state, and private agencies to secure essential support and approvals for the NDPP
- Delivered impactful presentations, project tours, and testimonies that demonstrated effectiveness and fostered collaborative support

- Delivers wildland fire safety training for first responders, fire investigators, and employees of NV Energy
  - Trained company, contractors, and external partners on how to plan major projects, safety mitigation, fire codes, regulation compliance, professional agency liaisons, and emergency services in the permitting arena
- Overseen ground vegetation program, emergency communications, unmanned aircraft systems, budgets, and the implementation of partner agreements
  - Secured alternative funding from state and federal grants in addition to other funding programs to off-set costs and enhance resource allocation of the vegetation program
  - Testified and provided testimony in NDPP PUCN Dockets 20-02031, 20-02032, 21-03004, 22-03006, 20-03040, 22-08001 and 23-03003

North Lake Tahoe Fire Protection District, Incline Village, NV **February 2012 – September 2019**

Fire Marshall / Division Chief

- Enforced the 2018 International Fire Code(ICC Fire Code), 2018 International Wildland-Urban Interface Code, NFPA Standards and Nevada State Laws pertaining to fire codes
  - Conducted all plan reviews of buildings, fire alarm systems, fire sprinkler systems, kitchen hood systems, clean agent room systems, water supply systems, stages and temporary buildings or tents
  - Conducted inspections of public and private buildings for compliance and conducted inspections of public assemblies
  - Led negotiations with contractors and designers on issues relating to life safety and fire protection and evaluated alternative means and methods for construction
  - Conducted all fire investigations from determining the fire origin to prosecution of arsonist
- Managed department's $17.1 million spending plan
  - Responsible for the financial stability of the department and met budget restraints during a $7.8 million tax revolt
  - Implemented the new technology, Emergency Reporting System (ERS) used for inspections, permits, plan reviews, pre-plans, vehicle maintenance and defensible space
- Served as Operational Division Chief
  - Supervised 5 subordinate employees of the fire prevention/fuels management bureau, as well as 14 station personnel and 2 office staff
  - Conducted all daily station operations, emergency medical response, fire response, haz-mat, water rescue, back-country rescue and all other emergency incidences
  - Provided educational information to the public on fire and life safety as well as training to fire district personnel
  - Served as the Incident Safety Officer, meeting all applicable standards and policies concerning all Risk Fire Suppression, OSHA regulations and NFPA standards
- Maintained a constant rapport with our community, our contractors, local media, our Fire Board, our County Commissioners, and our State and National Representatives in order to maintain our excellent relationships while working together
  - Responsible for the planning and implementation of annual evacuation / disaster drills for North Lake Tahoe and Washoe County
  - Responsible for the first ever Bi-State full scale evacuation exercise and safety fair which included resources from Nevada and California; it also included first ever firefighting aircraft flying missions together with an Unmanned Aerial Vehicle (UAV or Drone)
  - Lobbied for the SB329 bill requiring utility companies to have a Natural Disaster Protection Plan and was the fire advisor to the Nevada Public Utility Commission in drafting the regulations for SB329

- Served as a member of the Washoe County EOC & Washoe County Emergency and disaster planning and training committee
    - Reviewed and implemented the county's disaster and emergency plans, negotiated with competing stakeholders, collaborated in creating a Recovery Support Strategy with Departments and Agencies who were responsible for Recovery Support Functions
    - Developed and implemented recovery support strategies, facilitating disaster recovery coordination
    - Supported the Local Disaster Recovery Manager and/or Tribal Disaster Recovery Coordinator
    - Worked closely with state Disaster Recovery Coordinator
    - Worked with the impacted community to establish relevant recovery measures and to incorporate mitigation and resilience-building into recovery plans
- Served as part of State and National Incident Management Teams that responded to emergencies and disasters
    - Gained extensive knowledge and experience with management of emergency, disaster recovery, mitigation, resiliency planning, negotiated with competing stakeholders, and leveraged existing relationships with personnel at the federal, state, tribal and local levels, including the private and nonprofit sectors
- Worked as a member of the legislative committee for the Lake Tahoe Regional Fire Chiefs, the lobbyist for the Northern Nevada Chiefs, and the Prevention Chair for the Lake Tahoe Regional Chiefs
    - Sat on the board for the Northern Nevada Fire Code Committee
    - President for Nevada International Association of Arson Investigators
    - Served on the Emergency Evacuation Team and Emergency Operating Center for Washoe County
    - Led the Joint Information Team for Washoe County
    - Served on the Washoe County Marijuana Code and Enforcement Board and have been newly appointed as a member of the vacation rental code committee

Sierra Fire Protection District, Reno, NV **July 1996 – February 2012**

Fire Prevention / Public Information Officer / Fire Equipment Operator / Firefighter II

- Enforced the International Fire Code, NFPA Standards, International Wildland-Urban Interface Code, Washoe County Chapter 60, International Building Code and all Nevada State Laws pertaining to fire code
    - Worked diligently on the code committee updating Washoe County Chapter 60, updating it to the 2006 International Fire Code and 2009 International Wildland-Urban Interface Code while complying with all Nevada State Laws
- Maintained a constant rapport with our community, our contractors, local media, our Fire Board, our County Commissioners, and our State and National Representatives in order to maintain our excellent relationships while working together
    - Was responsible for the planning and implementation of annual evacuation / disaster drills for Sierra Fire Protection District
- Provided education to the public as a major focus of Sierra Fire Protection District
    - Developed the Saving Lives through Education Program, which met the state standards for education
    - Educated the youth in our schools about fire safety and first aid
    - Developed and implemented the Preparing Residents in Disaster Evacuations (PRIDE) program, which was adopted by Living with Fire, state-wide and utilized in the Monument Fire in Arizona and Salt Fire in Idaho
    - Taught PRIDE program to residents and at Chief and Wildland Conferences
- Successfully conducted the largest evacuation drill ever in the United States in 2008, during which time, over 4,000 residents were evacuated and thirty-three agencies participated
    - Implemented classes on Holiday Safety, House Safety and Defensible Space Classes county-wide
- Served as part of State and National Incident Management Teams that responded to emergencies and disasters
- Served on the Emergency Evacuation Team, Emergency Operating Center for Washoe County, Washoe County Emergency and disaster planning and training committee, and when requested to fill-in as the Emergency Manager
    - Reviewed and implemented the county's disaster and emergency plans, negotiated with competing stakeholders, collaborating in creating a Recovery Support Strategy with Departments and

Agencies who are responsible for Recovery Support Functions, developed and implemented recovery support strategies, facilitating disaster recovery coordination, supported the Local Disaster Recovery Manager and/or Tribal Disaster Recovery Coordinator, & worked closely with state Disaster Recovery Coordinator
    - Worked with the impacted community to establish relevant recovery measures and to incorporate mitigation and resilience-building into recovery plans and implementation
    - Helped generate new concepts and evaluate long range projects as it relates to the National Disaster Recovery Framework
- Developed the wildland defensible space inspection program for Washoe County

APPOINTED POSITIONS HELD

President for Nevada International Association of Arson Investigators	2017-2020
National Incident Management Organization (NIMO), Type I Team Public Information Officer (PIO)	2014-2020
Chair for Lake Tahoe Regional Fire Chiefs Association for Fire Prevention & Arson Investigation	2012-2020
Vice Chair of the Northern Nevada Fire Code Committee	2011-2020
Washoe County Vacation Rental Code Committee Member	2019
Fire Advisor to the Nevada Public Utility Commission	2019
Washoe County Marijuana Code and Enforcement Board	2015-2019
Lobbyist for Northern Nevada Chiefs and Lake Tahoe Regional Chiefs	2013-2019
Terrorist Liaison Officer for Northern Nevada	2013-2019
Budget Committee Member for North Lake Tahoe Fire Protection District	2012-2019
Incident Commander for Presidential, Vice President or other VIP visits in the Washoe County Area	2010-2019
Public Information Officer for Sierra Front Incident Management Team	2010-2019
Public Information Officer for Washoe County Emergency Evacuation Team	2007-2019
President of Lake Tahoe Regional Fire Chiefs	2014-2015
Governor-appointed Advisor to Schools Prepared and Ready Together Across Nevada (SPARTAN)	2011-2014
Insurance Services Office (ISO), North Lake Tahoe Fire Protection District Representative	2013

EDUCATION & TRAINING

NFPA Chief Fire Officer
S-520 Advanced Incident Management
S-420 – Command and General Staff
S-300 Extended Attack Incident Commander
Multi-Hazard Emergency Planning
Command 1A & lB
Hazardous Materials Incident Commander
Incident Safety Officer
OSHA Health and Safety Officer
International Code Counsel Fire Inspector II
International Fire Plans Examiner
Residential Sprinkler Plan Review
Washoe County Management Classes
ICC Inspection of Hood/Duct
FI-210 Wildland Certified
CFI-IAAI
Fire Behavior in a Single-Family Occupancy - National Fire Academy
Inspector for Fire Protection for Commercial Occupancy –National Fire Academy
Interviews & Interrogations

Advanced Fire Investigation
Court Room Certified Fire Investigation Expert
Juvenile Fire setter Intervention Certification
Public Information Officer I
FEMA Incident Command 100, 200, 300, 700, 800
Class A Driver's License
Dozer Boss
Class 3 Faller
Lessons Learned / Fatality Fires
Managing Company Tactical Operations – Decision Making
Managing Company Tactical Operations – Preparation
Health Care Respirator Training Programs
Emergency Vehicle Operations – Train the Trainer
Standards for Survival
L-180 Human Factors in the Wildland
NFPA Aerial Operations
Confined Space Awareness
S-230 Introduction to Incident Information
I-200 Basic ICS
S200 Initial Attack I.C.
S270 Air Operations
S231 Engine Boss
EMT Intermediate
S-211 Portable Pumps
S-290 Intermediate Fire Behavior
Radiological Training for First Responders
Fire Instructor II
Fire Systems Management, Class A & B Foam
Wildland S-130
Wildland I-100
NFPA Firefighter II
Fire Arson Detection & Business Inspection
Fire Officer Development
NFPA Fire Officer I
NFPA Engine Operator
Pump Operations
Haz-Mat Operations and Decontamination
Haz-Mat Awareness

HONORS & AWARDS

Guest Speaker at the EUCI Wildland Preparedness Conference	**2022 & 2023**
Guest Speaker at the Nevada Fire Chief Conference	**2022 & 2023**
Guest Speaker at the International Fire Chief's Summit 2023	
Guest Speaker at the Great Basin Incident Management Team Summit	**2021 & 2022**
Guest Speaker at the 2017 FEMA Region IX Leadership Workshop	**Feb-2017**
Guest Speaker at the Nevada Preparedness Summit	**2017**
Sierra Fire Protection District Employee of the Quarter	**Sept. 2010**
Guest Speaker at National Fire Chiefs Association	**Feb. 2010**
Guest Speaker at Wildland Summit	**October 2009, 2010, 2011, 2017 & 2022**
Sierra Fire Protection District Employee of the Quarter	**April 2009**
Education Appreciation Award – CCSD	**2008**
Sierra Fire Protection District Employee of the Month	**Sept. 2006**
First Place in Auto Extrication for the Western Region – N.D.F.	**1999**
Volunteer of the Year – Carson City Fire Dept.	**1996**