

US Department of the Interior Bureau of Land Management Black Rock Field Office Winnemucca District, Nevada

Gerlach Geothermal Exploration Project



PUBLIC SCOPING REPORT

MARCH 2022



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APPENDIX

A Substantive Public Scoping Comments

ACRONYMS AND ABBREVIATIONS

BLM	Bureau of Land Management
EA	environmental assessment
EIS	environmental impact statement
NCA	national conservation area
NEPA	National Environmental Policy Act
Ormat	Ormat Nevada Inc.
project	Gerlach Geothermal Exploration Project

Full Phrase



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Chapter I. Introduction

This report documents the results of a public scoping process for a proposed geothermal exploration project proposed by ORNI 26 LLC, a subsidiary of Ormat Nevada Inc. (hereinafter collectively referred to as Ormat). Ormat is proposing to construct, operate, and maintain the Gerlach Geothermal Exploration Project (project) on lands administered by the US Department of the Interior, Bureau of Land Management (BLM), Winnemucca District Office. The project is located north and west of Gerlach, in central Washoe County, Nevada.

Public involvement is a vital part of the National Environmental Policy Act (NEPA) process. The BLM conducted scoping to identify issues to be addressed and to help determine the appropriate scope of the forthcoming NEPA analysis.

I.I DESCRIPTION OF THE PUBLIC INVOLVEMENT PROCESS

In accordance with 40 Code of Federal Regulations 1501.9, the BLM must document public involvement and determine the scope of issues to be addressed. Public involvement helps identify significant issues related to a proposed action. The BLM solicits comments from relevant agencies and the public; then it organizes and analyzes all comments received. The BLM evaluates the substance of each comment and extracts the overarching issues that will be addressed during the NEPA process. These issues help define the scope of the NEPA analysis and are used to develop the project alternatives.

On December 10, 2021, the BLM issued a press release initiating the 30-day public scoping period that ended on January 10, 2022. The BLM recognizes that commenters invested considerable time and effort to submit comments during the scoping period; as such, it developed a comment analysis method to ensure all comments were considered, as directed by NEPA regulations.

1.2 NATURE OF COMMENTS RECEIVED AND THE COMMENT ANALYSIS PROCESS

The BLM received a total of 70 comment submissions during the scoping period. Comments were submitted by Basin and Range Watch, the Blue Ribbon Coalition, the Burning Man Project, the Environmental Protection Agency Region 9, Friends of Black Rock High Rock, Friends of Nevada Wilderness, the Nevada Department of Wildlife, Nevada State Clearinghouse, Trails West, and private citizens.

Comment analysis is a process used to compile and combine similar public comments into a format that decision-makers can use to develop alternatives to be analyzed in a NEPA document. The comment analysis assists the decisionmakers in organizing, clarifying, and addressing technical information, in accordance with NEPA regulations. It also aids in identifying the topics and issues to be evaluated and considered throughout the NEPA process. The process includes five main components, as follows:

- Developing a comment coding structure
- Using a comment database to manage comments
- Reading and coding public comments
- Interpreting and analyzing the comments to identify issues and themes
- Preparing issue statements

The BLM developed a comment coding structure to help sort comments into logical groups by topics and issues. The coding structure was designed to capture all comment content rather than to restrict or exclude any ideas.

The BLM used the Comment Analysis and Response Application database to manage all public scoping comments. The database stores the full text of all comment submissions and allows each comment to be coded by topic and issue. Some outputs from the database include tallies of the total number of submissions and comments received, sorting and reporting of comments by a topic or issue, and demographic information regarding the sources of the comments.

I.3 METHODOLOGY

From the 70 comment letters received, the BLM identified a total of 283 substantive comments (see **Appendix A**). Each comment was given a code to identify its general content and to group similar comments.

The BLM considered all comments and will use them to help create potential alternatives and issues to be analyzed in the NEPA document; however, only those comments determined to be substantive were analyzed, as described below. Substantive comments received during public scoping do one or more of the following:

- Raise issues the BLM has not considered, or reinforce issues the BLM has already identified
- Present information that can be used when the BLM considers the impacts of alternatives
- Raise concerns, with reasoning, regarding public land resources in the project area
- Recommend specific changes to the proposed action or alternatives
- Question, with a reasonable basis, the accuracy of information in an existing report

While reviewing comment submissions, the BLM grouped all substantive comments by similar issue topics; those groups were summarized with issue statements (see **Section 2.1**).

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Chapter 2 Public Comment Summary

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Chapter 2. Public Comment Summary

The BLM received most comment submissions via the project website in ePlanning at <u>https://eplanning.blm.gov/eplanning-ui/project/2016744/510</u>. The BLM also received comment submissions via US mail, through the project email, or emailed directly to the BLM project manager during the public scoping period. **Table 2-1** summarizes the distribution of comments by issue category. These issues are outlined further in **Section 2.1**, which identifies issue statements based on the substantive comments included in **Appendix A**.

Issue Category	Number of Individual Comments	Percentage of Total*
NEPA	_	_
NEPA – general	I	<
Public outreach	7	2.5
Purpose and need	3	1.1
Range of alternatives	6	2.1
Direct and indirect impacts	19	6.7
Cumulative impacts	2	<
Level of NEPA analysis	14	4.9
Resources	_	_
Resources – general	11	3.9
Air quality	2	<
Climate change	I	<
Geothermal resources	5	1.8
Recreation	13	4.6
Visual resources, including night skies	25	8.8
Groundwater resources	25	8.8
Surface water resources and water rights	22	7.8
Wildlife	12	4.2

Table 2-1 Comments by Issue Category

Issue Category	Number of Individual Comments	Percentage of Total*
Threatened and endangered species	4	1.4
Cultural resources	14	4.9
Environmental justice	4	1.4
Socioeconomics	32	.3
Noise		3.9
Public health and safety	6	2.1
Special designations	5	1.8
Native American religious concerns	2	<
Resource Uses	—	_
Solid and hazardous waste	4	1.4
Minerals and mineral rights	2	<
Lands and realty/infrastructure	10	3.5
Transportation	6	2.1
Public access	9	3.2
Livestock grazing		<
Other	_	
Requests for documents or other information	5	1.8
Total	283	100

*All percentages are rounded to the nearest 0.1 percent.

< = less than

2.1 ISSUE STATEMENTS

Identifying resource categories and capturing issues are two of the primary benefits of scoping. Defining issues early in the scoping process allows for more effective communication between the public and the decision-makers.

An issue is a concern, disagreement, debate, or dispute over potential project impacts on the environment. Such issues tend to be associated with areas near a project location, although impact areas may vary, depending on the specific resource and nature of the project. The purpose of the issue statements is to highlight comment themes identified through the scoping period. The BLM will use the issue statements to help formulate a reasonable range of alternatives to be analyzed during the NEPA process. Issue statements developed under each issue category are summarized below.

2.1.1 NEPA

NEPA – general

• As part of the NEPA analysis, could the BLM conduct a net energy analysis to compare the energy inputs with the energy outputs?

Public outreach

• A 30-day public comment period is too short, and this one fell over the holidays when many people were unavailable and offices were closed. Could the BLM extend the comment period to account for these factors?

Purpose and need

- Is there a local need for electricity, or would the energy produced be transmitted elsewhere?
- How does the project contribute to renewable energy portfolio standards and goals in Nevada? Could the draft environmental assessment (EA) include a discussion of the energy market that this project would contribute to?
- What customers would the future power plant serve?

Range of alternatives

- Would the draft EA include a reasonable range of alternatives that would meet the stated purpose of and need for the project, including options for avoiding environmental impacts?
- Would the alternatives analysis identify environmentally sensitive areas and the process used to designate them, in terms of sensitivity?
- Would the BLM consider moving the project to the east of Gerlach?
- Would directional drilling be allowed near residential areas? When the study is complete, would the drilling platforms be removed? If so, how would they be removed?
- What timing restrictions would be in place for drilling?
- Could the BLM provide more details for the geothermal plant's location and size?
- What mitigation requirements would be incorporated to reduce surface disturbance impacts from drilling pads and roads?

Direct and indirect impacts

- The project area is located at the base of the steep mountainside that is subject to landslides and flash floods. How would this be mitigated so that facilities would not be destroyed or cause harm to life and property during one of these events?
- What are the adverse effects of construction noise, activity, and pollution?
- What mitigation strategies would be in place for the Black Rock Desert and surrounding hillsides?
- Locals own and operate a falconry business near the proposed project area. What are the potential project's impacts on water, noise, lighting, and construction that could harm the falcons?

- To preserve the environment and reduce the need for large transmission lines, could the geothermal plant be built in areas that have already been disturbed or closer to population centers?
- What would be the impacts on springs, well sites, and access roads that are located on private properties near the proposed project location?
- What would be the direct and indirect impacts on the land?

Cumulative impacts

- Because of the potential renewable energy contribution that Nevada could make, could a Department of Energy national lab complete a detailed evaluation of the long-term build-out of generation plants and transmission lines to support the plants?
- Could an evaluation take place for the geothermal plant's contribution to the NV Energy Integrated Resource Plan of Record?

Level of NEPA analysis

• The proposed project has the potential to impact natural features, groundwater, and well water. It also has the potential to create light, air, and noise pollution. All these factors warrant a more detailed analysis of this project. Should the BLM use a full environmental impact statement (EIS) to ensure that concerns are addressed and that less damaging alternatives are considered?

2.1.2 Resources

Resources – general

- What steps are being taken to ensure the protection of natural, cultural, and personal resources?
- What are the environmental impacts of condensing the secondary working fluid back to liquid?
- Geothermal leasing on public lands is part of the solution to climate change, but how can the BLM ensure renewable energy projects are sited in locations that do not disrupt water, wildlife, and local economies?
- What environmental impacts would the project have with the use of a secondary working fluid in the plant?
- The interconnecting piping would require grading, leveling, and road improvements. What impact would these activities have on the local area?
- How would geothermal exploration and facility development impact the visual and recreational integrity of this area?

- What impacts would this project have on the environment, the quality of life in the community, and the surrounding wilderness and national conservation area (NCA)?
- What potential damages and impacts would this operation have on plants, noise, light, wildlife, the viewshed, traffic, and the demand for housing?

Air quality

- Would the draft EA include an air quality analysis that lists emissions sources, quantifies emissions, and analyzes the direct, indirect, and cumulative impacts of these emissions?
- Would the draft EA list mitigation measures to reduce greenhouse gases, fugitive dust, and other emissions produced by the project?
- Would the draft EA provide a discussion of ambient air conditions, National Ambient Air Quality Standards, and criteria pollutant nonattainment areas? This would be helpful in demonstrating compliance with state and federal air quality regulations.

Climate change

• What are the cumulative impacts from the proposed activities on climate change, in addition to potential groundwater hydrology impacts?

Geothermal resources

- How would the proposed drilling affect existing owners of geothermal resources?
- What are the potential geologic hazards that are related to geothermal development, such as induced seismicity and subsidence?
- Would the BLM complete a study on the connections among hot springs in the area to determine the impacts and set mitigation measures?
- Would Ormat and the BLM complete studies regarding the possible subsidence of earth beneath the roads and buildings in Gerlach during the extraction of geothermal water, before replacement through injection wells?

Recreation

- How would the proposed activities avoid impacting Guru Road, an intentional art and community space, tourist attraction, and recreation resource?
- How would the proposed activities affect the Granite Mountain Special Recreation Management Area?

• How would the proposed activities avoid impacting the road behind the Gerlach transfer station, which is a place used by locals to walk dogs, hike, camp, and target shoot?

Visual resources, including night skies

- Would lights only be used when workers are present and would the lights have down-facing shields?
- To try to retain the existing characteristics of the natural landscape, could the BLM review this project for Visual Resources Management Class II impacts?
- How would new structures impact the visual quality and experiences on the Nobles Emigrant and Applegate-Lassen trails?
- Are there any visual quality objectives or mitigation strategies for the project's visual impacts?
- Would the BLM conduct a detailed study of the light pollution produced by the project and how the light pollution would impact the dark sky brightness?
- Would the BLM make the Visual Resources Key Observation Points study, which was completed in March 2021, available to the public?

Groundwater resources

- The current operations plan includes a spill or discharge contingency plan that only addresses spills to the surface of the ground. Could this plan be updated to include the processes that would occur if there is a spill or discharge to the groundwater?
- Can Ormat provide a short- or long-term operating procedure for monitoring and remediation of impacts on springs, spring habitat, or private wells?
- Water is a local economic and recreation resource that locals rely on. What would be the long-term impacts on this resource?
- Have the effects on groundwater quality and supply been studied, and what information is available on this?
- Would the BLM provide an estimate of the quantity of water used? Also, if groundwater is used, would the BLM identify which groundwater basin would be used and whether there is any potential for subsidence?
- Would this permit include a monitoring system for ground level subsidence?
- What remedies would Ormat take if the proposed project disrupts the local water table and impacts the foundation of locals' homes?

- What drought impacts could this project enhance and contribute to? Could this project deplete already low water resources?
- What are the potential water contamination impacts?
- How would groundwater be affected in the local aquifers?
- Would the BLM consult a third-party engineering firm to study the water supply and ensure that local aquifers would be safe from depletion, alteration, or contamination?
- Would the reserve pits contain the brine, and are any hazardous materials expected to contaminate those pits? Would gas, air, or chemical fracking be used to lift fluids? Would antifreeze be used as a heat-carrier fluid, and is there a risk of groundwater contamination?
- What are the short- and long-term consequences of water extraction at this level?
- Would Ormat and the BLM comply with and be in accordance with Nevada Revised Statues Chapter 534 (Underground Water and Wells) and Nevada Administrative Code Chapter 534 (Underground Water and Wells)?

Surface water resources and water rights

- What mitigation strategies would be put in place for this project's potential impacts on the nearby springs and groundwater that local community members and businesses rely on?
- How would this project affect natural springs, including their water quantity, quality, and temperature?
- How would this project comply with Nevada water law?
- Would the draft EA identify the presence of surface waterbodies, including springs and wetlands?
- Springs, wetlands, and well sites contain heavy metals that can become mobilized with drilling and contaminate other water sources. How would the BLM consider this? Would there be buffers or setbacks around these areas?
- What actions would be taken to monitor flow rates, flow paths, the water level, geochemical alterations, and other alterations being made to springs, wetlands, and wells surrounding the exploration sites?
- How would the well pads and access roads impact wetland areas?
- What would the impact be on surface springs located on private property near the project area?

- What impacts would the project have on precipitation patterns, and what are the mitigation strategies? Please also discuss the anticipated extent and depth of overland flows given a 500-year flood event.
- How would the BLM protect wetland vegetation if there are any well pads located nearby?
- Would the draft EA document stormwater permit requirements and mitigation measures necessary in reducing impacts on water quality and aquatic resources?
- Would Ormat and the BLM confirm with the US Army Corps of Engineers that there are no jurisdictional waters requiring a Clean Water Act Section 404 permit for discharge of dredged or fill materials into waters?
- Would the water used for this project be provided by an established utility or under a permit, temporary change application, or waiver issued by the State Engineer's Office?
- How would wetland habitats in the project footprint be protected from potential changes in the flow or water level, or both, from geothermal activities?

Wildlife

- How would the proposed activities affect wildlife?
- How would the project affect domestic sheep trailing and the subsequent risk of contact between domestic and wild sheep?
- How would sage-grouse management plans apply to this project?
- Under the Nevada Habitat Conservation Framework, would the BLM coordinate with the Nevada Departments of Wildlife, Transportation, and Natural Resources to avoid impacts on sensitive species, critical habitat, and migration corridors?
- How would the BLM implement monitoring, reporting, and adaptive management to protect wildlife and habitat?
- How would the proposed activities affect dark kangaroo mice? Would there be a baseline study or design features, or both, to avoid or mitigate impacts?
- How would increased lighting at night impact local wildlife, including nesting eagles, bats, bighorn sheep, pronghorns, migratory birds, and insects?
- How would the project's impact on springs affect bats, migratory birds, bighorn sheep, and pronghorns?

Threatened and endangered species

- What species—and what critical habitat for threatened and endangered species—exist in the proposed project area? What steps would be taken for the protection and recovery of these species?
- Would the BLM work with the US Fish and Wildlife Service to determine whether consultation under Section 7 of the Endangered Species Act is required?
- Would the BLM work with the US Fish and Wildlife Service to ensure all mitigation efforts are taken, and consistent surveying, monitoring, and reporting protocols are followed for species protection?

Cultural resources

- How would the proposed action or alternatives affect cultural resources in the project area?
- How would the BLM avoid or minimize adverse impacts on the physical integrity, accessibility, or use of cultural resources or archaeological sites, including traditional cultural properties, in the project area?
- Has the BLM considered the likely presence of Paleo-Indian artifacts and archaeological sites? Research on the Late Pleistocene and Early Holocene has shown that the Great Basin Paleo-Indians occupied the lake basins of ancient Lake Lahontan and left a considerable amount of carbon-dated artifacts; some of these may be in the proposed project area.
- The historic Nobles Trail and the exploration route of John C. Fremont are adjacent to the proposed project area. What would be the potential impacts on the settings of these historic, undeveloped sites and the historic trail corridor?
- Would the proposed activities impact or limit public access to existing archaeological interpretive signs, including the many historical markers commemorating historic emigrant trails near the proposed project area? Two of these markers (Granite Springs [Marker N6] and Great Boiling Springs [Marker N7]) are within or near the proposed project area.
- What impacts would the proposed project have on areas that may be culturally significant for Native communities?
- What impacts would the power line connecting this plant to the NV Energy substations have on archaeological tribal resources?

Environmental justice

- Would minority populations and low-income populations be disproportionately impacted?
- How would public participation be facilitated so that minority and low-income populations can participate?

Socioeconomics

- How would proposed activities affect the development of the Washoe County ArTrail?
- Some residents depend on the illite clay from geothermal features on their property for their pottery businesses. How would the BLM ensure that proposed activities would not eliminate, contaminate, or substantially change the water and surface conditions on local residents' properties?
- Gerlach's local economy depends on tourism and eco-tourism generated by visitors who come to the region to recreate on public land. How would proposed activities impact Gerlach's vibrant tourism industry?
- Would Ormat provide any direct benefits to Gerlach?
- If proposed activities move forward, would Ormat request access to private property, including the Burning Man Project's 360 acres, for any pipeline alignments or associated project infrastructure?
- What mitigation measures would be implemented to compensate for potential damages to life and property from proposed activities?
- Where would workers stay? If they live on-site or if they stay in the only motel in town, this may displace many recreationists and visitors to Gerlach.
- How would the BLM ensure that proposed activities would not impact local businesses, including Black Rock Mud Company, which relies on Great Boiling Springs for an array of beauty products?
- Would the proposed activities impact the functioning hot springs on the Burning Man Project's property? This would thwart the commercial investment to develop the property as a commercial enterprise that supports outdoor recreation and tourism in the region.
- Would the proposed activities only take place during daylight hours and on weekdays to avoid disturbing local businesses?
- How would the increased noise and lights from drilling rigs and increased traffic impact residents and visitors to the region?

- What remedies would be available to property owners near the proposed project area, if the project were to negatively impact their properties?
- Has the BLM considered potential impacts on local residents, many of whom depend on the vast recreational resource of the Black Rock Desert and playa for their income?
- How would the proposed activities impact the character, culture, community, and health of the small, remote town of Gerlach?
- Would Gerlach benefit from, and have access to, the proposed production of geothermal energy adjacent to the town?
- Would Ormat's employees need to commute to the proposed project area, or would new housing need to be installed in Gerlach? How would the town be impacted under both scenarios?
- The community of Gerlach relies on tourism to support its economy. Creating a geothermal facility would increase construction, alter the natural landscape, and increase lighting that would impact the dark night skies of the Black Rock NCA and Massacre Rim Wilderness Study Area. How would these visual impacts affect the tourists and local economy?
- What are the impacts on tourism if Guru Road is destroyed?

Noise

- How would the proposed activities avoid creating excess sound pollution, noise, and vibrations?
- Would the BLM conduct a detailed study of the proposed activities' noise impacts on local residents, tourists, and wildlife?
- Would noises in Gerlach be amplified as they bounce off Granite Mountain? What would be the noise impacts on recreational activities on Granite Mountain?
- Would there be noise impacts on Guru Road, and what would the BLM do to avoid excessive noise at Guru Road?

Public health and safety

- Has the BLM considered that if this facility has at least 25 employees on-site for more than 6 months, it would be required to be permitted by the Bureau of Safe Drinking Water as a non-transient, noncommunity public water system?
- Has the BLM analyzed the real health risks of a diversion pond, including the potential exposure to atmospheric concentrations of hydrogen sulfide, benzene, radon, arsenic, and mercury, all of which pose hazards to public and occupational health?

- Could ground disturbance associated with proposed activities disperse *Coccidioides immitis*, a fungus that causes Valley fever in humans? Would measures be developed to reduce the risk of exposure to workers and residents?
- Would there be odors from the proposed activities? How would those odors be mitigated, so they do not disturb local residents, visitors, and wildlife?
- Would proposed activities, including well drilling and testing, release naturally occurring radioactive material, and how would it be managed for this project?

Special designations

- How would the proposed activities affect the multiple uses laid out by the Black Rock Desert-High Rock Canyon Emigrant Trails NCA Act, considering the proximity of the NCA to the proposed project?
- What are the potential visual resource impacts on the Black Rock Desert-High Rock Canyon Emigrant Trails NCA from proposed activities?
- The Black Rock Desert-High Rock Canyon Emigrant Trails NCA Act was designated in part to preserve and protect historic trails. How would proposed activities avoid impacting the Nobles Trail and the Trails West markers?
- What would be this project's impacts on wilderness values, recreation and tourism values, and wildlife habitat values of the Black Rock Desert NCA and the lower eastern slopes of the proposed Granite Banjo Wilderness?
- What impacts and conflicts would this project have on the eastern portion of the wilderness character unit?
- How would this project impact the formal wilderness proposal that has been submitted to the Nevada delegation?

Native American religious concerns

- Would tribal governments be invited to consult on a governmentto-government basis, and would the draft EA include documentation of these consultations?
- How would the proposed project consider tribal concerns and avoid disturbance of tribal artifacts?

2.1.3 Resource Uses

Solid and hazardous waste

- Blowout prevention techniques may involve barium sulfate and hazardous mud additives. How would material be stored, and how would the area be cleaned up in the event of a blowout?
- How many dumpsters would be required for proposed activities, and how would waste be removed from each site?
- Would the draft EA address the potential direct, indirect, and cumulative impacts of waste generation, including hazardous waste from geothermal project development?
- Does Ormat have a mitigation plan if water is contaminated by hazardous chemicals used in its drilling mud? Would Ormat be financially liable for mitigation required to return groundwater to its pre-drilling state?
- Would the EA describe expected methods for proposed activities, including the use of reserve pits; expected methods for the disposal of geothermal fluids, produced waters, and drill cuttings; consistency of drilling mud; the prevention of leaching; and the potential impacts on ground and surface water?

Minerals and mineral rights

- How many yards of gravel or aggregate would this project need?
- How would this project comply with the Nevada Division of Minerals' policies and regulations?

Lands and realty/infrastructure

- Would the BLM analyze an alternative that incorporates "acre for acre public/private land swaps" to avoid BLM parcels being isolated within private tracts?
- Would interconnected piping between wells and the plant require more grading, leveling, road improvements, et cetera? Why was this not addressed in the proposal?
- How can the BLM ensure the proposed project would not damage, disrupt, or otherwise cause problems for Gerlach's water and sanitary sewer systems? What are the risks?
- What would be the potential impacts on Gerlach's drinking water supply?

Transportation

• How would the proposed activities impact State Route 447 in terms of damage to the road and the presence of increased traffic?

- Would Ormat be required to assist in maintenance of roadways impacted by the deterioration from heavy equipment caused by proposed activities?
- Would Washoe County Roads Department be consulted to determine whether roadway ratings and maintenance schedules are adequate for the proposed activities' specific transportation needs?

Public access

- Would access be maintained to and on all motorized routes in areas affected by proposed activities?
- Would public access be maintained to Guru Road, which is a recreation destination?
- This area has a high recreation value for locals in the surrounding community. How would the proposed activities be conducted in a way that does not restrict access to users?
- Would proposed activities affect any organized events or possible future permits? Specifically, would proposed activities impact the Blue Ribbon Coalition's organized events in the area?

Livestock grazing

• How would the proposed activities affect livestock, such as cattle and sheep, that graze in the area?

2.1.4 Other

Requests for documents or other information

- What customers would be served by this future power plant? How large is the planned plant and where would it be located?
- Would Ormat be held to the same cleanup standards as the Burning Man Project's annual event, and where would any gravel pits be located in the project area?
- Would the draft Night Sky Baseline Report currently being reviewed by the BLM be made available to the public?
- Would Ormat and the BLM provide a plan for dark sky-compliant lighting?
- Would Ormat and the BLM provide adequate pre-drilling water and heat flow, water level, geochemistry, and other baseline condition data for springs, springs habitat, wetlands, and wells on public lands and adjacent private property?
- Would Ormat and the BLM provide a detailed plan for maintaining and preserving public access to historic markers and cultural sites within and around the project area?

- Would Ormat and the BLM provide a detailed study of the project's noise pollution and mitigation strategies?
- Would Ormat and the BLM provide a thorough archaeological survey of resources?
- Would Ormat and the BLM provide a report on the economic impacts on the town of Gerlach and include concerns regarding housing, jobs, and impacts on tourism and recreation?
- Would Ormat and the BLM provide a detailed plan for mitigating the impacts on important wildlife habitat and the effects on migratory and resident birds?
- Would Ormat and the BLM provide a mitigation plan for groundwater contamination?
- Would Ormat and the BLM prepare a net energy analysis comparing the energy input with energy outputs to determine the project's viability?
- Would Ormat and the BLM provide a transportation analysis to assess the potential impacts on local roads from increased use and heavy equipment? Ormat should provide data and consult with Washoe County Roads Department.

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Appendix A Substantive Public Scoping Comments

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Appendix A. Substantive Public Scoping Comments

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Tanner	Carolyn "Lina"	Burning Man Project	NEPA - general	As part of the NEPA
				Analysis comparing t
Not Provided	Not Provided	—	Public Outreach	A 30 day public com
				normally visit this are
				extended to 90 days
				involved in public cor
Whipple	Will	—	Public Outreach	A 30 day public comr
				normally visit this are
				extended to 90 days
				involved in public cor
Cooper	Dave	—	Public Outreach	It is very disappointir
				project that runs thr
				not available to revie
				The comment period
				be affected a chance
Wittek	Stacey	Friends of Black Rock High Rock	Public Outreach	On behalf of Friends
				on the public comme
				Project proposed by
				comment, December
				offices are closed and
				and far too short for
				supports the develop
				the role of renewable
				However, the signific
				Rock Desert High Ro
				Area and visitors mu
				more time to review
				end on January 10 by

PA analysis, the BLM should conduct a Net Energy g the energy input with energy outputs for the Project. mment period seems too short to have the public that area informed and able to comment; I request that it be ys so that more parties that this directly affects may be comment.

mment period seems too short to have the public that area informed and able to comment; I request that it be ys so that more parties that this directly affects may be comment.

iting that a short comment period for this proposed hrough the holidays was chosen when many people are view the information and comment in a timely manner. iod should be at least 60 days to allow everyone that will ce to review the information and comment.

ds of Black Rock-High Rock I am requesting an extension ment period on the Gerlach Geothermal Exploration by Ormat Technologies Inc. The period for public ber 10 to January 10, over a holiday period when many and constituents are on holiday vacation, is poor timed for public input. Friends of Black Rock-High Rock opment of renewable energy in Nevada and recognizes able energy in offsetting the impacts of climate change. ificant impacts on the community of Gerlach, the Black Rock Canyon Emigrant Trails National Conservation must be considered and the public and stakeholders need ew the issues. Please extend the comment period set to by 30 days (February 10, 2022).

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Benson	Marnee	Burning Man Project	Public Outreach	The public comment
				holidays. A project o
				community of Gerlad
				engagement. The tim allow for such. Please
				thirty day extension
Tanner	Carolyn "Lina"	Burning Man Project	Public Outreach	The public comment
ranner		burning that troject		holidays. A project o
				community of Gerlad
				engagement. The tim
				allow for such. Please
				thirty day extension
Netherton	Shaaron	Friends of Nevada Wilderness	Public Outreach	We are asking for a 3
				proposed Wildernes
				Emigrant Trails Natio
				the NCA and surrou
				period over the Chri
				unnecessary. Please e
McPherson	Ann	US EPA Region 9	Purpose and Need	The draft EA should
				the proposed project
				the underlying proble
				to address. The draft
				context of the larger
				discuss how the proj portfolio standards a
Rankine	Dave		Purpose and Need	There is no local nee
Nalikille	Dave		T di pose and rived	transmitted elsewher
Not Provided	Not Provided		Purpose and Need	What customers wo
Nothorided	Not Hovided		Tupose and Need	the planned plant and
				noise pollution from
				the planned plant? He
				local resdients, visito
				phase of this project
				and peaceful area im
				Conservation Area.
				the plant and wells w
				improvements, etc th
				addressed in this pro
McPherson	Ann	US EPA Region 9	Range of Alternatives	The draft EA should
				the stated purpose a
				issues identified durin
				alternatives will inclu
				alternatives analysis s
				environmentally sens
				terms of sensitivity.

nt period for this project as you know falls over the c of this nature and its potential impacts on the lach deserves a full and robust opportunity for public iming of the public comment period does not adequately ase consider this as Burning Man Project's request for a on of the public comment period. Thank you.

nt period for this project as you know falls over the of this nature and its potential impacts on the lach deserves a full and robust opportunity for public iming of the public comment period does not adequately ase consider this as Burning Man Project's request for a of the public comment period. Thank you.

a 30-day extension for comments. This proposal impacts ess and the Black Rock Desert-High Rock Canyon tional Conservation Area, threatens dark sky tourism in punding area including Gerlach. Having a comment mistmas holidays where there is so much at stake is e extend the comment period until February 10th.

Id clearly identify the underlying purpose and need for ect. When formulating the need, identify and describe blem, deficiency, or opportunity that the action is meant aft EA should discuss the proposed project in the er energy market that this project would serve and roject will assist Nevada in meeting renewable energy s and goals.

eed for electricity in that area. What is generated will be ere.

would be served by this future powerplant? How large is and where is it to be located? Will there be light and m the planned wells and plant? Will there be odors from How would those odors be mitigated to not disturb tors, and wildlife? It seems that just the exploration ct will severly disturb and alter an otherwise beautiful mmediately adjacent to the Black Rock Desert

a. The interconnecting piping that would be required for would require far more grading, leveling, road that would affect the area and this is simply not roposal.

Id include a reasonable range of alternatives that meet e and need for the project and that are responsive to the pring the scoping process. A reasonable range of clude options for avoiding environmental impacts. The s should describe the approach used to identify ensitive areas and the process used to designate them in

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Not Provided	Not Provided	-	Range of Alternatives	The proposed project
				that are not participa
				local cultural and bic
				includes well sites pl
				springs. It also includ
				parcels. The Explora
				of drilling either duri
				current proposed Ex
				private, non-participa
Scott	Matthew	—	Range of Alternatives	The drilling pads nec
				visual blight on the a
				actively used for 14
				use. •Reclamation m
				the well head, not ju
				also include any acce
				site. •Replacement a
				topography of the dr
Dougherty	James	Tripoli Central California (Prefecture # 52)	Range of Alternatives	How will the drilling
0 /	5		5	should we the people
				beautiful countryside
				hazard off of the 447
Lyon	Sarah	_	Range of Alternatives	Finally, because Gerla
,				amount of properties
				be built, it would req
				would have impacts
				addressed.
Sady	Scott	—	Range of Alternatives	If this project moves
				be kept to areas east
Wilson	Alex	—	Direct/indirect impacts	I have been around n
			·	unsightly, loud, produ
				populations. They ca
				history of leaving a m
				reasons. This is not a
				protecting public land
				- it would bring pote
Walters	Jason		Direct/indirect impacts	The proposed project
	J			quiet (this is one of t
				darkness (it's one of
				property values, all v
				employment, tax rev
				chronically short on
				of taxes paid to Was
				just like the millions
				region get spent prin
				region get spent prin

ject Area of Interest includes significant private parcels ipating. Those parcels include warm and hotsprings of biological significance. The proposes operation plan placed on public land as close as possible to the private udes access roads through private, non-participating ration Operations plan includes no restrictions on time uring the day or during the year. It does not appear the Exploration Operations Plan gives adequate deference to ipating use and resources.

ecessary for this project are not attractive and will be a area. To mitigate the effects of these pads: •Any pad not 4 months must be reclaimed before 18 months of last must include the pad area to within a 5-foot radius of just the shoulder area of the pad. • Reclamation must cess road sections not actively needed to reach another and regrading of removed topsoil must match the drill pad as closely as possible.

ng platforms be removed when the study is done? Why ple have a bunch of concrete drilling rigs littering our de - never to be cleaned up, and posing not only a 47, but an eyesore for anyone who passed by the site(s)? erlach is about 2 hours from Reno and has a small ties available for rent or purchase, should a Ormat facility equire commute and/or installation of housing, which as on the landscape and town as well and need to be

es forward, which I strongly hope it does not, it should ast of the town of Gerlach.

many different fracking-type operations. They are oduce light pollution, ruin the view, disrupt animal cause an increase in heavy truck traffic and they have a mess behind when they shut down for a variety of a good use of public lands. BLM is charged with nds. Allowing this operation would not protect anything ential damages that might not be able to be restored. ect presents unknown risks to our water supply, view, the quietest places on Earth for much of the year), of the darkest places in the lower 48 states at night), and without in the long run providing significant new evenue, or housing creation for the community. (We are n decent housing.) And we won't see any of the benefits ashoe County. Those will go to help Reno and Sparks ns the BLM pays to Washoe County each year for our imarily on the needs of Reno and Sparks.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
McPherson	Ann	US EPA Region 9	Direct/indirect impacts	The EPA recommend measures (including c potential adverse imp These measures coul emission standards of on control technolog resources and limitati
Sabistina	Jan	—	Direct/indirect impacts	Any human activity th fragile desert environ one company profit a who live this place an
Egbert	Cory	—	Direct/indirect impacts	I am concerned abou and pollution on or n
Jamieson	David	-	Direct/indirect impacts	I am concerned abou and pollution on or n
Hickey	Chuck	—	Direct/indirect impacts	I am very opposed to mitigating the impacts hill sides. I would also It seems like a giant o
Egbert	Cory		Direct/indirect impacts	I originally purchased my falconry business, Gerlach, with their re years. I train falcons t or train my birds for activity by an outside noise/lighting/constru are my livelihood.
Jamieson	David		Direct/indirect impacts	I originally purchased my falconry business, Gerlach, with their re years. I train falcons t or train my birds for activity by an outside noise/lighting/constru are my livelihood.
Not Provided	Lucas	_	Direct/indirect impacts	Please do not disturb few places left that ar the high desert will su
Not Provided	Not Provided	—	Direct/indirect impacts	The Black Rock Dese including the dark sky that are already distu would preserve many transmission lines.
Angell	JL	_	Direct/indirect impacts	The black rock deser treasure. Any human integrity of the fragile Please do not let one future generations wi

nds that the BLM identify in the draft EA the mitigation g control measures and design features) it would apply if npacts on resources on affected lands are predicted. Fuld include equipment type or design requirements, or limitations, best management practices (BMPs), addogies, setback distances from aquatic and biological ations on the density and/or pace of development.

that destroys or in any way harms the integrity of the onment should immediately be shelved. Please do not let t at the expense of all now and in future generations and it's unique beauty.

but the adverse effects of construction noise, activity, rear my property.

but the adverse effects of construction noise, activity, rear my property.

to this construction - as I have seen no plans for cts on both the Black Rock Desert or the surrounding lso question the size of the footprint for this operation. t overkill.

ed the Great Boiling Spring and adjacent property for ss, which has been my lifelong career. The hot springs at related ponds, are where I have trained my falcons for s to hunt ducks off the ponds, and use the site to "hack" or being free in the wild. I am concerned about any de party that may impact the water on my property, or ruction activity that could harm my falcons, since they

ed the Great Boiling Spring and adjacent property for ss, which has been my lifelong career. The hot springs at related ponds, are where I have trained my falcons for s to hunt ducks off the ponds, and use the site to "hack" or being free in the wild. I am concerned about any de party that may impact the water on my property, or ruction activity that could harm my falcons, since they

rb this land and the delicate balance there. There are so are unmarked by man, and the precariousness of life in surely be felt by a project of this scale.

esert environment is unique and must be protected sky. If possible, geothermal plants should be built in areas turbed or closer to population centers. This method ny unique environments and reduce the need for large

ert is a unique habitat, recreation area, and national an activity that destroys or in any way harms the ile desert environment should immediately be shelved. ne company profit at the expense of all now and in who live this place and it's unique beauty.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Sabistina	Jan	_	Direct/indirect impacts	The black rock deser treasure. Any human
				integrity of the fragil
				Please do not let one
				future generations w
Benson	Marnee	Burning Man Project	Direct/indirect impacts	The Ormat Gerlach
				EA is of great concer
				the least of which is
				contiguous to Burnir
Tanner	Carolyn "Lina"	Burning Man Project	Direct/indirect impacts	The Ormat Gerlach
				EA is of great concer
				the least of which is
				contiguous to Burnir
Alderson	George		Direct/indirect impacts	The project involves
/ (1001 3011	George		Directimenteet impacts	thousands of acres o
				two energy generatio
				wells and well pads,
				an electrical transmis
Cooper	Dave		Direct/indirect impacts	The proposed develo
Сооры	Dave		Directimenteet impacts	subject to violent lan
				boulders and rocks a
				and 447 have been c
				Stripping the land of
				near steep slopes. He
				destroyed or cause h
Not Provided	Not Provided		Direct/indirect impacts	This project has pote
NOT FLOWIDED	INOU FIOVIDED	_	Direct/indirect impacts	plant and animal eco
Burls	Kevin		Direct/indirect impacts	This project would b
DULIS	Revin	_	Direct/indirect impacts	popular national recr
				open skyline ans natu
				well water levels.
Wilcox	Rob		Cumulative imposts	Nevada, and BLM lar
VVIICOX	ROD	-	Cumulative impacts	
				energy contributions
				development based of
				detailed evaluation b
				buildout of generatio
				could be a leader red
	Dah		Consultation into a sta	country.
Wilcox	Rob	-	Cumulative impacts	This is a very small p
<u> </u>	D			in its contribution to
Cooper	Dave	_	Level of NEPA analysis (EA vs. EIS)	An EA is not the app
				surface and groundw
				could occur. While (
				full development of t
				potential for controv
				small community and
				development away fr

sert is a unique habitat, recreation area, and national an activity that destroys or in any way harms the gile desert environment should immediately be shelved. one company profit at the expense of all now and in who live this place and it's unique beauty.

th Exploration Project DOI-BLM-NV-W030-2022-0001cern to Burning Man Project for numerous reasons, not is that the operations plan proposes multiple well sites ning Man's property.

th Exploration Project DOI-BLM-NV-W030-2022-0001cern to Burning Man Project for numerous reasons, not is that the operations plan proposes multiple well sites ning Man's property.

es direct impacts on 163 acres and indirect impacts on on all sides of the fixed installations. It involves up to tion facilities, geothermal fluid production and injection s, access roads, aggregate pits, geothermal fluid pipelines, nission line and ancillary support facilities.

elopment area at the base of the steep mountainside is andslides and flash floods resulting in moving large s and soil down the steep mountainsides. Highway 34 closed by these flash floods on many occasions. of vegetation for may add to the instability especially How will this be mitigated so that facilities will not be a harm to life and property during one of these events? otential to cause significant pollution and damage to the cology of this protected desert.

I be a visual and environmental blight on one of the most ecreation areas of the west. Impacted features include atural features, dark sky benefits, hot spring levels and

and nationally, have important potential renewable ns. Before approving every private generation d on their quarterly P/L interests, you should have a by a DOE National Lab, like NREL of the long term tion plants and transmission to support it. Your office requesting that. Staff involved can lead the way for the

I plant in proposed MW capacity. It should be evaluated to the NV Energy Integrated Resource Plan of record. ppropriate vehicle to assess these potential impacts on dwater, and damage to both public and private land that e Ormat has reduced the scope of the project from the of the resource as previously proposed, there is still oversial and significant long term adverse impacts on this nd an EIS is warranted with an alternative to move the from the population of this community.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Alderson	George	—	Level of NEPA analysis (EA vs. EIS)	An environmental im scale.
Not Provided	Not Provided		Level of NEPA analysis (EA vs. EIS)	I am appalled that this Environmental Impact immediately surround change those lands ar
Wittek	Stacey	Friends of Black Rock High Rock	Level of NEPA analysis (EA vs. EIS)	We adamantly believe Ormat project rises t environment but is al Environmental Impact Environmental Assess concerns were addre We also understand t document is outdated detailed here and from sufficiently addresses stakeholders presente
sady	m		Level of NEPA analysis (EA vs. EIS)	We adamantly believe Ormat project rises t environment but is al Environmental Impact Environmental Assess concerns were addre We also understand t document is outdated detailed here and from sufficiently addresses stakeholders presente
Whipple	Will	—	Level of NEPA analysis (EA vs. EIS)	An Environmental Im project before it cons
Not Provided	Not Provided	—	Level of NEPA analysis (EA vs. EIS)	An Environmental Im project before it cons
Tanner	Carolyn "Lina"	Burning Man Project	Level of NEPA analysis (EA vs. EIS)	Because of the possib believe a full environr now to determine wh to construct the gene subsequent phase. W 2008 exists, this docu address the concerns special studies perfor Recreation Permit Re to Ormat by BLM's u during our EIS proces a project otherwise s certainly warranted h
Morgan	Troy	—	Level of NEPA analysis (EA vs. EIS)	I firmly believe that an permanent installation plan.

mpact statement should be required for a project of this

his project has gone this far into planning without an act Survey. This project will permanently alter the area inding (and entering into) conservation lands and likely and water in them.

eve this project is not in the right place and that the es to the level of a major impact that not only affects the also significantly controversial. We know that an eact Statement is far more time consuming than an essment, but the data generated would ensure that dressed and less damaging alternatives are considered. ad that a programmatic EIS from 2008 exists but that ted and does not sufficiently address the concerns from other stakeholders. We ask that an EIS that less the concerns presented here and by other ented in 2022 be conducted.

eve this project is not in the right place and that the s to the level of a major impact that not only affects the also significantly controversial. We know that an act Statement is far more time consuming than an essment, but the data generated would ensure that lressed and less damaging alternatives are considered. d that a programmatic EIS from 2008 exists but that ted and does not sufficiently address the concerns rom other stakeholders. We ask that an EIS that es the concerns presented here and by other nted in 2022 be conducted.

mpact Survey is absolutely necessary for this potential onsidered seriously.

mpact Survey is absolutely necessary for this potential onsidered seriously.

sibility of significant and controversial impacts, we onmental impact statement ("EIS") should be prepared whether the Gerlach region is the appropriate location enerating facility that Ormat will likely seek in a While we understand that a programmatic EIS from ocument is outdated and not sufficiently detailed to ns of stakeholders. Further, BLM intends to reference ormed through the Burning Man Project's 2019 Special Renewal. While we appreciate the cost savings afforded is use of special studies required of Burning Man Project

cess, we are unaware of any regulation that would allow e suitable for an EIS to then avoid the process. An EIS is I here.

an EIS (Environmental Impact Study) is required for ions such as is proposed for the Ormat Geothermal

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Wilson	Alex		Level of NEPA analysis (EA vs. EIS)	I will keep this simple through a lengthy and get their permits. Th no Trace events in th after every event. On the area. These are a and well water, light in unnatural noises, o round with an opera each year and they a history of clean up)
Downey	William		Level of NEPA analysis (EA vs. EIS)	In regards to the Ger background in resour feasibility of this proj Significant impact to impacts near a Dark all warrant a more de process. Proceeding frafile desert environ well as the local com
Downey	William		Level of NEPA analysis (EA vs. EIS)	In regards to the Ger background in resour feasibility of this proj Significant impact to impacts near a Dark all warrant a more de process.
Wilcox	Rob	—	Level of NEPA analysis (EA vs. EIS)	This proposal include "exploratory." There
Not Provided	Not Provided	—	Level of NEPA analysis (EA vs. EIS)	This should be a full significant impacts the
Netherton	Shaaron	Friends of Nevada Wilderness	Resources - general	We believe that the environment and qua Wilderness and Nati
Emmerich	Kevin	Basin and Range Watch	Resources - general	The exploration proj High Rock Canyon N within its 800,000 act the Black Rock Dese attractions are the Bl Rock Canyon, the na geothermal explorati and recreational inte illuminated all night. appearance of the pla vistas. The noise will

ple - a few years ago BLM forced Burning Man to go and expensive environmental impact study in order to They are a non-profit and run one of the biggest Leave the world. The playa and surrounding area is cleaned up Ormat needs to show what impacts they could cause to e all well documented... things like contaminated ground ht pollution, air pollution, increased truck traffic, increase s, disruption to area wildlife. These things occur year rration like Ormat proposes. Burning Man is a few weeks always clean up behind themselves (they have a solid

Gerlach Geothermal Exploration Project, having a burce management makes me gravely concerned that the roject is being undertaken with only an EA, not an EIS. to natural features, cultural features, viewshed and light rk Sky Reserve, and the impacts on the local community detailed review and analysis before any approval ng with this project would have a negative impact on a

onment in close proximity to several wilderness areas as ommunity of Gerlach.

Gerlach Geothermal Exploration Project, having a burce management makes me gravely concerned that the roject is being undertaken with only an EA, not an EIS. to natural features, cultural features, viewshed and light rk Sky Reserve, and the impacts on the local community detailed review and analysis before any approval

Ides all the drilling for the full scale plant. It is not prefore it should require a full EIS.

III Environmental Impact Statement, given the potential that will last a lifetime.

ne Ormat project will have a major impact on the quality of life in the community and surrounding ational Conservation Area.

roject would be located next to the Black Rock Desertn NCA hosts a multitude of recreational opportunities acres. It encompasses nearly 120 miles of emigrant trails, esert, and High Rock Canyon. The most popular Black Rock Desert playa, the narrow gorge of High natural hot springs, and historic wagon trails. Both ation and facility development would impact the visual itegrity of this area. A geothermal plant is noisy and t. Clearing of land will create fugitive dust. The plant would be inconsistent with historic trails and large *v*ill take away the historic character of the area.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Lyon	Sarah	—	Resources - general	I am concerned with
				Exploration Operatio
				scenic views for the a
				increased demands for
				new housing options.
Barry	Daniel	_	Resources - general	I would like the BLM
				minimizing light and s
				required to use the b
				should not be allowe
Not Provided	Jim	_	Resources - general	I'm worried about ho
			Ŭ	value as a place that's
				infrastructure of such
				a natural scene. I hop
Downey	William	_	Resources - general	Proceeding with this
				desert environment i
				as the local communi
Egbert	Cory		Resources - general	What steps will be ta
	0017		Kesedices Scheral	personal resources?
Jamieson	David		Resources - general	What steps will be ta
Janneson	David			personal resources?
sady	m		Resources - general	As a renewable resources:
	111		Resources - general	272 active leases man
				renewable energy as
				contributed to air po
				a part of the solution
				disrupt water, wildlife
				The best way to get t
Wilcox	Rob		Persuinees general	communities and place
VVIICOX	ROD		Resources - general	The full plant develop
				significant environme
\ A //1				now in a full EIS.
Wilcox	Rob	—	Resources - general	Condensing the second
				impacts. Condensing
				leakage of the primar
				are required to be ev
McPherson	Ann	US EPA Region 9	Air Quality	Emissions of all air po
				estimated for constru
				impacts from constru
				direct, indirect, and c
				installation of the we
				drilling rigs and air co
				significant levels of en
				and quantify these em
				practicable mitigation
				fugitive dust, and othe
				design changes to rec
				dust control measure
				administrative contro

th the proposed development of the Ormat Gerlach tions Plan because of noise and light pollution, impact on e area, increased road traffic from commuting, and for housing in the area without any plans to develop

M to hold Ormat to the highest possible standards for a sound produced by their operations. Ormat should be best available methods to mitigate light and sound and wed to choose less effective methods to cut costs.

how that will effect the surroundings, concerning their t's pristine in a world that too often, is without. Bringing ch sort into the flats would impact them irreparablely as ope it is reconsidered.

is project would have a negative impact on a frafile t in close proximity to several wilderness areas as well inity of Gerlach.

taken to ensure the protection of natural, cultural and ?

taken to ensure the protection of natural, cultural and ?

ource that is abundant in Nevada (currently there are anaged by BLM) it is encouraging to see an increase in as an alternative to coal, oil and gas extraction that has pollution and greenhouse gas emissions. Public lands are on to climate change. But renewable energy projects can life and local economies if not built in the right place. t the clean energy we need and protect the laces we love is to site projects in the right place. opment will use a secondary loop working fluid with nental impact requiring evaluation of the secondary fluid

condary working fluid back to liquid has environmental ng may require scarce local water resources. Any ary water for reinjection is an environmental impact. All evaluated in a full EIS.

pollutants, including greenhouse gases, should be truction and operations. Given the potential air quality cruction and drilling activities, the analysis should include d cumulative effects, especially during construction and vells. As an example, use of diesel engines powering the compressors/mud pumps could potentially generate emissions. The draft EA should specify emission sources emissions. The draft EA should analyze reasonable and on measures to reduce project-related greenhouse gas, ther emissions. Typical mitigation measures include reduce construction and operations emissions, fugitive ures, mobile and stationary source controls, and crols.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
McPherson	Ann	US EPA Region 9	Air Quality	The draft EA should
				(baseline or existing
				criteria pollutant nor
				the project, including
			helpful in demonstra	
				regulations and discl
				cumulative degradation
McPherson	Ann	US EPA Region 9	Climate Change	Consider in the draft
				project area, includir
				quantity and timing c
				impact surface water
Evans	Kristy	_	Geothermal resources	There should be stud
				the roads and buildin
				water before replace
McPherson	Ann	US EPA Region 9	Geothermal resources	Induced seismicity an
				fluid injection and pr
				withdrawal of fluids,
				most regions where
				there is usually tecto
				These areas are mor
				areas of the United S
				seismicity and subsid
				development should
Otto	Ed	Trails West, Inc.	Geothermal resources	It seems as if BLM alr
				just wants to do exp
				based on all the hot s
				them to again reques
				would be a proven v
				see this as Ormat get
				no to further develop
Wilcox	Rob	—	Geothermal resources	The proposed drilling
Cooper	Dave	—	Geothermal resources	There are numerous
				private property. Ge
				changes in the flow r
				which could alter exi
				moves into production
				connections among h
				set mitigation measu
				development of geot
				groundwater systems
				vertical gradient and
				groundwater significa

Id provide a detailed discussion of ambient air conditions og conditions), National Ambient Air Quality Standards, onattainment areas, and potential air quality impacts of ing cumulative and indirect impacts. Such an evaluation is rating compliance with state and federal air quality closing the potential impacts from temporary or ation of air quality.

aft EA how climate change could potentially influence the ling anticipated changes to the watershed in terms of of runoff and precipitation and how these changes may <u>er and groundwater hydrology in the project area.</u> udies regarding the possible subsidence of earth beneath lings in Gerlach during the extraction of geothermal cement through injection wells.

and/or subsidence can occur as a result of geothermal production. In the case of geothermal induced seismicity, s, as well as injection of fluids, can cause seismicity. In re there are economically viable geothermal resources, tonic activity, such as in the western United States. ore prone to induced seismicity than in more stable d States. Potential geological hazards, such as induced sidence, that could be related to geothermal ld be discussed in the draft EA.

already said no on the first proposal and now Ormat cploratory work. We're sure that will prove successful t springs in the area, and then the next step will be for est more development and it will be harder to deny as it viable operation based on this exploratory event. We getting a "foot in the door" and it will be harder to say lopment.

ling impacts existing owners of geothermal resources. Just important hot springs resources in the area mostly on Geothermal development frequently causes substantial v rates and flow paths in hydro geothermal systems existing surface flows at springs in the area. If the project ction, BLM will need to do a detailed study of the g hot springs in this area and determine the impacts, and sures as appropriate. BLM should analyze the impact of eothermal resources on springs discharging from shallow ems. Impacts could occur if development changes the nd causes water to flow downward from shallow ficantly faster than currently occurs or occurs naturally.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Cooper	Dave		Recreation	Guru Road is a uniqu
				to Gerlach and must
				long art feature is an
				is under a Right of V
				impacts. Guru Road
				proposed well field i
				diminish the relative
				and will erode the vi
				The proposed Gerla
				being planned to help
				Gerlach as well as en
				for visitors and the o
				field development by
				setting of this most i
				be found at: https://t
Netherton	Shaaron	Friends of Nevada Wilderness	Recreation	Guru Road/Dooby L
				to the time of his de
				engravings and monu
				Gerlach and parallel
				loving and humorous
				of visitors to the BRI
				Guru Road is in the
				Guru Road is less that
				is required to honor
				impossible to believe
				Or that it will be acc
Brooks	Christopher		Recreation	I was greatly concern
Brooks	Chilliscophici			overlapping with Do
				Gerlach Geothermal
				https://www.blm.gov
				Geothermal%20Expl
				four northernmost w
				Dooby Lane (see atta
				an impact on the star
				that the view and qui
				possible by placing pu
Brooks	Christopher		Recreation	My primary concern
DI CORS	Christopher		i ce caton	

ique one of a kind cultural art work of great importance ist be off limits to disturbance or development. This mile an important and treasured piece of Gerlach history and Way issued by BLM. It must be protected from adverse ad is a tourist destination and visited year round. The d immediately adjacent to this unique feature will vely undisturbed environmental and recreation setting visitor experience to this iconic cultural phenomena. Flach Community Trail from Gerlach to Guru Road is elp enhance and further develop the tourism economy of enhance the recreation opportunities and experiences e community. This trail will be adversely impacted by well by changing the very character of the environmental t important resource. More Guru Road information can //travelnevada.com/weird-nevada/guru-road/

A Lane, an intentional art and community site. From 1970 death in 1995 DeWayne Williams built over 450 rock numents on a long stretch of road just one mile from el to State Route 34. Nicknamed Dooby Lane it is a bus testament to the community of Gerlach. Thousands RNCA have walked the road as a significant cultural site. e Ormat project plan boundary and the southern end of than 700 feet from a proposed well pad. Though Ormat or the right of way of Guru rd. on public lands it is eve that the beauty and integrity of the site will remain. cccessible to the public.

erned when the October 2020 map showed well pads Dooby Lane. I'm gratified to see that the Proposed nal Exploration Project map at

ov/sites/blm.gov/files/docs/2021-12/Gerlach sploration Map 508 0.pdf dated 11/3/2021 now has the t well pads located on east of Highway 34, across from attached map). However, the proposed project will have tark loneliness of the site of Dooby Lane. My hope is quietness Dooby Lane could be preserved as much as <u>pump equipment behind berms or at least fences.</u> rn is how the location of this project will impact the stallation located at T.32 N., R.23 E., sec. 3.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Cooper	Dave	—	Recreation	The proposed geothe
				Granite Mountain Sp
				favorite local recreat
				mountain foothills wi
				as recreation setting
				by altering the landso
				Visitors to the area a
				grand vistas from the
				implemented to reta
				with the relatively ur
				recreation opportun
				where recreation tak
				significant adverse im
				place to Gerlach and
				geothermal developm
				so it is out of sight ar
Evans	Kristy	_	Recreation	The proposed project
			Recreation Managem	
				implemented to ensu
Reynolds	Margie		Recreation	The road up behind
	1 141 810			a place for locals to
				wonderful spot to ca
				Desert. It's my under
Reynolds	Margie		Recreation	This iconic folk-art in
Reynolds	i lai gie		i cer cation	Nevada state travel i
				preserved, not move
				access to culture and
Shepard	Darcy		Recreation	A geothermal installa
Tanner	Carolyn "Lina"	Burning Man Project	Recreation	Gerlach's economy s
ranner		Burning Man Project	Recreation	visitors from around
				experience the solitu
				present in the Black
				pursue a variety of re
				colors Ormat propo
				pads within this view
				experience of these
				Gerlach. The Project
				Recreation Managem
				regional visitors and
				recreation/tourism o
				identify the scale of t
				and on the socio-eco
Wilson	David	—	Recreation	I am concerned that
				Their operation near
				consequences what i

hermal exploration project overlaps a portion of the Special Recreation Management Area. Easy access to a ation area encompassing the west end of the Granite will be eliminated and the environmental setting as well g and resulting experiences will be permanently changed scape, development of facilities or infrastructure. also utilize this area for camping, hiking, and for the hese higher elevations. What mitigation measures will be tain and/or restore recreation opportunities in this area undeveloped settings? What are the resulting impacts on inities and experiences with development of well fields akes place? Once again, the only way to mitigate the impacts on the character of the community, the sense of id adjacent private properties is to move all of the oment away from the community and private properties and sound.

ect overlaps a portion of the Granite Mountain Special ment Area. What mitigation measures will be <u>sure access to recreation opportunities in this area?</u> d the Gerlach transfer station has, for generations, been o walk their dogs, go shooting, hiking. It also serves as a camp, offering panoramic views of the iconic Black Rock lerstanding that this recreation lifeline will be impacted. installation is unique to Nevada. It is promoted by the I industry. This installation must be protected and wed over for progress. Stay off Guru Road! Retain nd recreation.

Illation will decrease the recreational values v significantly benefits from the tens of thousands of ad the world who travel to this region year-round to itude of the vast open spaces and undeveloped vistas k Rock Desert, as well as attend numerous events and recreation experiences. Even with the harmonious paint boses, the number and location of the proposed well evshed and sound range would negatively impact the e tourists, and thus the vibrant tourism industry of ect overlaps a significant portion of the Granite Foothills ement Zone. The RMZ plan recognizes that "national or id constituents value the surrounding public lands as a opportunity." The BLM should do a detailed study to f the Project impacts on the identified recreation values conomic impact on regional tourism.

at the art site know as Guru road needs to be protected. ear by could have detrimental effects or unintended t is been done to protect this site.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Netherton	Shaaron	Friends of Nevada Wilderness	Recreation	The proposed project
				Recreation Managem
				recreational area to
				facilities in this area
				as to be consistent w
			Rock Desert High R	
				Area.' Gerlach's eco
				visitors that participa
				launch rockets, camp
				skies. Each of these v
	DETED			project and as a resu
GOIN	PETER	—	Recreation	While I in principle v
				that such efforts wou
				would be affected. I a
				of Gerlach, but as a v
				history, I am mindful
				artifacts contained ar important cultural re
				embellished. I believe
				a coordinated plan th
				be absolutely necess
				deeply concerned th
				contribute to its dec
Brooks	Christopher		Visual Resources	Finally, I feel that ligh
BIOOKS	Christopher		visual Resources	on when workers ar
Emmerich	Kevin	Basin and Range Watch	Visual Resources	It will impact the Mas
Evans	Kristy		Visual Resources	The BLM should con
LValis	KIISUY		visual Resources	Project and how it w
				opportunities for tou
				are no negative impa
				darkest sky areas of
				protected from artifi
				•
Fiumara	Cedi		Visual Resources	near-zero light emiss The night skies in and
i iuiiiai a	Cedi		visual Resources	I've lived in many rur
				lack of light pollution
				see the arm of the M
				pollution from this p
				skies. I can walk ten
				arm of a galaxy in the
				but the loss of that a
Schimmelfing	Colin		Visual Resources	The one missing piec
Commenting				pollution addressed a
				area are known as "t
				should be preserved.
				towns-in-us-in-nevad

ject overlaps a portion of the Granite Mountain Special ement Zone (RMZ) and will end easy access to a favorite o outdoor enthusiasts. The RZM directs that any a "will be developed, located and designed in such a way with preserving the character of the adjacent Black Rock Canyon Emigrant Trails National Conservation conomy is largely based on the tens of thousands of pate in special events, hunt, collect minerals and gems, mp and hike as well as simply enjoy the high-quality dark e visitor groups will be directly affected by the Ormat sult will directly impact the local economy.

e value harvesting geothermal resources, I would expect yould take into consideration the cultural resources that I am not empowered to speak on behalf of the citizens a visual scholar dedicated to Nevada's identity and ful of the importance of preserving Dooby Lane, and the and placed therein. This plan inevitably affects this resource, not to mention the vast viewshed that the site eve that if Ormat truly wishes to be a good citizen, then that was collaborative, inclusive, and respectful should ssary if any further work were to be permitted. I am that the plan as presented would disrespect the site, and ecline and destruction.

ght pollution should be addressed. Lights should be only are present. Lights should be down-facing with shields. lassacre Rim WSA/ Dark Sky Sanctuary.

onduct a detailed study of the light pollution of the will impact the dark sky brightness and interfere with ourism and star gazing. How can Ormat ensure there pacts from lighting? The Black Rock Desert is one of the of the United States. This important resource must be tificial night lighting, and the project plan should strive for issions.

and around Gerlach are among the darkest in the world. rural towns, but thanks to the low moisture content and on, these skies are the only in which I have been able to Milky Way with the unaided eye. I fear the light proposed project would forever alter these beautiful n feet from my front door and past a tree to see the the sky every clear night. Perhaps it's superficial or trivial, t ability would be extraordinarily upsetting to me. ece of the Operations Plan: I would like to see light d as part of the plan. As Gerlach and the surrounding "the darkest town in America", this unique feature ed. https://www.onlyinyourstate.com/nevada/darkestada/ Perhaps lighting can be designed to only trigger nt or at least to be shielded towards the ground

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Emmerich Kevin	Kevin	Basin and Range Watch	Visual Resources	The project should b for VRM Class II is to Allowed Level of Cha landscape should be
				not attract the attent the basic elements of
Emmerich	Kevin	Basin and Range Watch	Visual Resources	predominant natural The region is also po meteor showers. In t passed Senate Bill 52 specifically promote, resources for their in
Cooper	Dave		Visual Resources	cultural and economi What are the visual in Clearing drill pads an and associated facilitie viewshed of this rura will be seen and hear night. Most of the pro- base of the Granite N The relatively undistu- importance to the co the experience. Gerla tens of thousands of year-round to experi undeveloped vistas pro- Desert. Visitors also Thousands of visitors drilling on highway 44 recreation experience the Granite Mountair - High Rock Canyon surrounding mostly n residents and the loca
Lyon	Sarah	_	Visual Resources	Noise and light pollut the reasons that I cho temporarily increases town as much and is round increase in noi populations in the are
Reynolds	Margie	—	Visual Resources	Resident and visitors the primary draws to community. This pro

be reviewed for VRM Class II impacts. The objective to" retain the existing character of the landscape. Change: The level of change to the characteristic e low. Management activities may be seen, but should ention of the casual observer. Any changes must repeat of form, line, color, and texture found in the al features of the characteristic landscape."

oopular for star gazing and many visit the area to view on the 2021 legislative session, the Nevada Legislature 2 which declared that dark sky areas "serve to e, preserve, protect and enhance Nevada's dark sky intrinsic value and their ecological, astronomical, mic importance."

l impacts of this industrial development project? and road construction to drill site, towering drill rigs ities will cause significant impacts on the valuable ral community. Tall drill rigs only a short distance away ard from adjacent private properties and town day and proposed development is also at higher elevation at the Mountains and is highly visible throughout the area. sturbed landscape that surrounds Gerlach is of utmost community, the residents and those that come here for rlach has an economy primarily based on tourism with of visitors from around the world traveling to this region erience the solitude of the vast wide open spaces and present from Gerlach and throughout the Black Rock so travel here to attend numerous events in the area. ors will travel directly through the area of proposed 447 and county road 34, in pursuit a variety of nces within and around the proposed developments in ain foothills and beyond including the Black Rock Desert n Emigrant Trails National Conservation Area. The natural landscape viewshed is of more importance to ocal economy over the long term than geothermal s location.

lution is very low in the Gerlach area and that is one of chose this place to live. While the Burning Man festival ses both, its far enough away that it does not affect the is temporary. Building an Ormat facility would be a yearnoise and light in the desert. This may even impact bat area.

rs are proud of their dark skies. Dark skies are one of to this region. Gerlach is a designated dark skies oject infringes on that.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Scott	Matthew		Visual Resources	The Black Rock Dese by many professional lighting of any perma the project must be of Specifically, lights mu vertically, to prevent region. This stipulatio lighting or temporary construction projects lighting which are find
Scott	Matthew	—	Visual Resources	The majority of conc surrounding environr
Williams	Scott		Visual Resources	As you know the tow Desert and the deser very few trees and o "camouflage" the wel are completed. I did quality objectives or that a Visual Resource March 2021 (Gerlach Assessment, Baseline public. In your NEPA impacts mitigations.
Wittek	Stacey	Friends of Black Rock High Rock	Visual Resources	Black Rock Desert H Conservation Area (I and expanse of untra Congress designated emigrant trails make 48 states a jewel in th the BRNCA, along th the proposed project Ormat drill pads and pipelines, drill pads and Rock Desert will not geothermal operation principals the BRNCA
Shepard	Darcy	—	Visual Resources	have a negative impactive heavy traffic.

esert is a recognized Dark Sky region and is frequented nal and amateur stargazers, year-round. Night time nanent or long-term temporary facilities associated with e designed to minimize light spillage off the site.

nust be aimed towards the ground, not horizontally or nt ambient light from interfering with stargazing in the ation should not be applied to specialized emergency ary lighting necessary for special projects or short-term cts. There are multiple temporary needs for additional fine, so long as they are not permanent.

ncerns regard the visual impact of this project on the nment.

sown of Gerlach is located at the edge of the Black Rock sert vistas are wide open in all directions and there are other features that would disguise or cover or vell's permanent infrastructure after drilling operations id not see anything in the Operations Plan about visual or how Ormat would mitigate visual impacts. I did notice urces Key Observation Points study was completed in ach Geothermal Exploration Project, Environmental ine Studies). Please make this information available to the PA planning please address visual quality and visual

High Rock Canyon Emigrant Trails National

a (BRNCA) was created for its sublime solitude, quiet crammeled beauty. Ten contiguous and non-contiguous ed Wilderness Areas and hundreds of mostly pristine ke the largest National Conservation Area in the lower in the crown of public lands. The primary entrances to the paved State Route 34, are all within a few miles of ect. Visitors will be compelled to travel through the ind facilities to enter the BRNCA through a corridor of and aggregate pits and pools. The first view of the Black to be wild places, pristine public lands but of the ions. This view, its impact on locals and visitors bely the ICA was created on.

pact on dark skies and solitude with the increase of

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Tanner	Carolyn "Lina"	Burning Man Project	Visual Resources	In an era of ever incr
				becoming a rapidly d
				growth in the aware
				and in the growth of
				community to the D
				and the Massacre Ri
				viewing spot for peo
				August, and the Leor
				Nevada Legislature p
				areas "serve to speci
				Nevada's dark sky re
				astronomical, cultura
				determined that "De
				program will also att
				near Nevada's dark s
				activity for surround
				should conduct a det
				how it will impact the
				for Astro Tourism ar
Williams	Scott	—	Visual Resources	In your NEPA planni
				mitigations.
Wittek	Stacey	Friends of Black Rock High Rock	Visual Resources	Light Pollution. There
				of preserving Dark S
				local level this can be
				Skies Sanctuary at Ma
				community of Gerlad
				the International Dar
<u></u>				meteor shower camp
Not Provided	Not Provided	—	Visual Resources	Nothing that creates
				construction extra li
<u> </u>				towns in the entirety
Rolshoven	Nathan	-	Visual Resources	strongly oppose Orn
<u> </u>				and operational impa
Sady	Scott	—	Visual Resources	The Black rock deser
				dark sky preserve in
				this project would dr
				huge draw for both l
Netherton	Shaaron	Friends of Nevada Wilderness	Visual Resources	There is an exponent
				Dark Sky landscapes
				can be witnessed the
				Massacre Rim just no
				Gerlach actively seek
				International Dark Sk
<u> </u>				areas are popular for
Rankine	Dave	—	Visual Resources	They will damage the

creasing urbanization and development, Dark Skies are diminishing resource. This has led to an exponential eness of the values of preserving Dark Sky landscapes of Astro Tourism. Currently, Gerlach is a gateway Dark Sky resources of the Black Rock High Rock NCA im WSA/ Dark Sky Sanctuary. This area is a popular eople to view meteor showers, including the Perseids in onids in November. In the 2021 legislative session, the passed Senate Bill 52 which declared that dark sky cifically promote, preserve, protect and enhance resources for their intrinsic value and their ecological, ral and economic importance." Further, the Legislature esignation of dark sky places in Nevada under the ttract tourists and other visitors to rural communities sky assets, thereby generating increased economic ding communities and their small businesses." The BLM etailed study of the light pollution of the Project and the dark sky brightness and interfere with opportunities and star gazing.

ning please address night skies and night skies impacts

ere is an exponential growth in the awareness and values Sky landscapes and communities internationally. On a be witnessed by the International Designation of Dark Massacre Rim just north of BRNCA. Not only is the ach actively seeking Dark Skies Community status with eark Skies Association, the BRNCA is a popular area for mpouts and astronomy.

es extra light or sound should be built here, even during light would be unacceptable, we're one of the darkest ety of the United States and we want it to stay that way. rmat's exploration project in Gerlach due to the visual pacts on the town.

sert is the southern end of the nationally recognized in Northern nevada and as such the illumination from drastically diminish the attraction of this area which is a n local and international solitude seekers.

ential growth in the awareness and values of preserving es and communities internationally. On a local level this he International Designation of Dark Skies Sanctuary at north of the NCA. Not only is the community of seking Dark Skies Community status with the Skies Association the NCA and surrounding Wilderness

or viewing meteor showers, and for Astro-tourism.

he views from the Black Rock NCA. that is undesirable.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Otto	Ed	Trails West, Inc.	Visual Resources	This would be the sta actual Nobles emigra quality/experience of ground work/structu trails. Just the drilling be an eyesore from 0 wells are just capped
Reynolds	Margie		Visual Resources	due to all of the vehi Yet this project's foo It affects not just resi Large pipes, cement at the entry way to t the roadways will be there for the residen
Carey	Scott	Nevada State Clearinghouse	Groundwater Resources	All wells must be not with NRS Chapter 53 completed by a licens water right or waiver basin pursuant to NR wells require a waive Chapter 534 and NA of NAC Chapter 534 (water or monitor w on existing, acquired of the owner of the p required in NAC Cha the State Engineer's G Chapter 534. Constr geotechnical soil bori other type of geotecl "shot" holes, must co use of water issued u NRS Chapter 534 an approval. Applicable i must comply with the 534 and the terms of
Fiumara	Cedi		Groundwater Resources	Geothermal drilling r carries concerns rela geological phenomen those who base their springs.

start of changing the Black Rock area which impacts the grant trail and also greatly impacts the visual of both the Nobles and Applegate trails. Any above stures would be visible when following either of these ing of twenty-one test wells would be a visual impact and in Gerlach and the County roads in the area. Even if the ed off, they will need a structure around each of them shicle traffic there. That will be very visible.

ootprint plants itself in the forefront of this experience. esidents, but tens of thousands of visitors each year. In pads, construction, lights, noise, etc., do NOT belong to the Black Rock Desert. The maze of pipes adjacent to be an unwelcome sight for visitors. This blight will be ents to regard, every single day.

noticed, drilled, constructed, and plugged in accordance 534 and NAC Chapter 534, and the work must be ensed well driller as provided by NRS Chapter 534. A ver is required prior to drilling a well in a designated NRS Chapter 534 and NAC Chapter 534. Monitoring ver from the State Engineer's Office pursuant to NRS IAC Chapter 534 and must comply with the provisions 34. Any unauthorized or unpermitted drill holes/wells wells or geotechnical soil boring) that may be located ed or transferred lands, are ultimately the responsibility property and must be plugged and abandoned as Chapter 534. Abandoned wells need to be reported to Office and must be plugged in accordance with NAC truction and abandonment of any well, monitoring well, oring, instrumentation geotechnical soil boring, or any echnical soil boring, including but not limited to any comply with the provisions of NAC Chapter 534. The under a waiver must comply with the provisions of and NAC Chapter 534 and the terms of the waiver le to geothermal exploration. A waiver to drill a well the provisions of NRS Chapter 534 and NAC Chapter of the waiver approval.

g near and even possibly under local private properties elated to spring production and producing unexpected ena in the area that may seriously affect locals, especially eir business upon geothermal features such as hot

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Not Provided	Not Provided	—	Groundwater Resources	How would the hot s
				water be affected in
				and potentail hazardo
				handled with the sho
				allow for basically any
				pumped into the new
				of the 22 wells may b
				allowed to be dispose
				poposal; this is simply
Whipple	Will	—	Groundwater Resources	How would the hot s
				water be affected in t
				water and potential h
				handled with the sho
				allow for basically any
				pumped into the new
				of the 22 wells may b
				allowed to be dispose
				proposal; this is simp
Cooper	Dave	_	Groundwater Resources	If gas or air or rock f
I				might that impact the
				What techniques and
				very significant long t
				well as the communit
				disrupt natural under
				and wetlands vital to
				contamination from o
Emmerich	Kevin	Basin and Range Watch	Groundwater Resources	The Black Rock Geot
		5		Geothermal develop
				rates and flow paths
				existing surface flows
				diverted downward v
				springs to see how co
Cooper	Dave	_	Groundwater Resources	The region is subject
				underground hydrolo
				damage to drill sites,
				from earth movemen
Emmerich	Kevin	Basin and Range Watch	Groundwater Resources	There is potential for
				in the test holes.

ot springs in the area be affected? How would ground in the local aquafirs? The detail on how geothermal water rdous and noxious non-condensible gasses will be hort and long term well testing phase of this proposal anything to be done with this test water – likely just ew aggragate pit leaving odors traveling down wind. Each y be tested and 16.5 million gallons from each are osed of in this manneer according to this current aply unacceptable.

ot springs in the area be affected? How would ground n the local aquifers? The detail on how geothermal al hazardous and noxious non-condensable gasses will be hort and long term well testing phase of this proposal anything to be done with this test water - likely just ew aggregate pit leaving odors traveling down wind. Each y be tested and 16.5 million gallons from each are osed of in this manner according to this current nply unacceptable.

k fracking is needed to lift fluid from the wells, how the aquifers and potential for subsidence in the area? and materials might be safely used? Fracking may have g term impacts on the springs adjacent private lands as inity of Gerlach just a short distance away. Fracking may lerground flows through the aquifer drying up springs to wildlife in the desert environment with potential for n drilling muds, fluids and chemicals.

eothermal area contains important hot springs. opment frequently causes substantial changes in the flow as in hydro geothermal systems which could alter ws at springs in the area. Shallow groundwater can be d with geothermal development. BLM should study these connected they are.

ect to earthquakes and could cause changes in the ology. How will ORMAT mitigate the potential for es, wells and the potential for contamination of aquifers nent?

for several major lost circulation of drilling fluids events

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Netherton	Shaaron	Friends of Nevada Wilderness	Groundwater Resources	Water table and imp
				been utilized for a ve
				maximize energy out
				could contain brine a
				addressed. According
				drilling could range u
				requirements for gra
				6,000 gallons per day
				wells drilled on site a
				Nevada is currently f
				the real potential tha
				proposed project are
				Jersey Valley Nevada
Cooper	Dave		Groundwater Resources	Well drilling and wor
				the aquifer or potable
				Improvement Distric
				to the drinking water
				in the area if significat
				that are used by adjo
				contaminate the aqui
Emmerich	Kevin	Basin and Range Watch	Groundwater Resources	Well drilling has the
				wetlands, and private
Cooper	Dave	—	Groundwater Resources	What are the potent
				with flow testing of u
				days? Will the reserv
				hazardous materials e
				how will this be mitig
				under the town of G
				and to the communit
				contamination to the
Evans	Kristy	—	Groundwater Resources	What is Ormat going
				disrupts the local wat
				or sink? Like most Ar
				their wealth in their l
				start with. So none o
Scott	Matthew	—	Groundwater Resources	As seen in multiple a
				California Central Va
				drop, causing a chang
				hold water. A monito
				included with this per
Not Provided	Not Provided	_	Groundwater Resources	Nothing that effects of
INDUITOVIDED	. tot i totilada			i toting that chects (

npacts on hot springs. Though geothermal energy has very long time some of the newer technologies to output are lesser verified. The possibility that reserve pits e and or any hazardous materials are not adequately ing to the Ormat proposal water required for well e up to as much as 35,000 gallons per day. Water grading, construction and dust mitigation will be around lay. Water necessary for these activities will be from e and approved by BLM under a temporary waiver. y facing one of the worst droughts on record so there is hat this could deplete water resources outside the area. This has already occurred at the Ormat Plant in da

vorkers will require large quantities of water either from able water purchased from the Gerlach General rict. What are the potential impacts on the aquifer and ter supply for Gerlach? What will happen to the aquifers cant amounts of water are removed from this aquifer djoining private property owners or if drilling operations quifer with drilling fluids or chemicals?

e potential for long-term impacts on springs/habitat, ate wells.

Initial impacts on the underground aquifers particularly f up to 15 million gallons of water per well for up to 30 erve pits be able to contain the brine and are any ls expected to contaminate the reserve pits and if so itigated? There is geothermal hot water in the aquifer Gerlach. What are the potential impacts on the aquifer nity? What will be required to insure there is no he aquifers and if it does occur how will Ormat mitigate? ing to do for us if their proposed drilling and pumping water table, and causes our home's foundations to crack Americans the citizens of Gerlach have tied up most of ir homes. And we're not a very wealthy community to e of us can afford that particular risk.

areas where subterranean water is being extracted, the Valley being a well known example, surface levels can nge in the landscape and damaging an aquifer's ability to itoring system for ground level subsidence must be permit.

ts our water in any way should be built here, get your

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
McPherson	Ann	US EPA Region 9	Groundwater Resources	The BLM should esti
				will require for drillir
				well as construction
				potentially affected g
				potential for subsider
				cumulative impacts o
				basin. Describe wate
				discuss how existing
				trends in precipitatio
				technologies to minir
Slechta	Kevin	_	Groundwater Resources	Was looking in to th
				mainly the effects on
			nearby springs, whet	
				studied, and (2) is thi
Reynolds	Margie	_	Groundwater Resources	Water is both an ecc
,	Ŭ			springs to soak in, Bl
				have hot water/recre
				depend on the water
				impacts on an essent
Tanner	Carolyn "Lina"	Burning Man Project	Groundwater Resources	Groundwater Contai
		0		exploration well drill
				Contingency Plan tha
				surface of the ground
				implemented should
				resulting regulatory of
				plan that specifically a
				immediate notificatio
				the Drilling Superviso
				Plan, page 14. Ormat
				collection in assessing
				cause potential impac
				There is potential for
				(domestic and/or geo
				adaptive management
				and testing data phas
				short- or long-term s
				the remedy of impact
				mud-drilling, directio
				out" potential or oth
				what would happen i
				groundwater resource
				must be a responsible
				supplies in the short-
				and where will habita
				changes occur.

stimate the quantity of water that the potential project lling and testing of the geothermal exploration wells, as on of access roads. If groundwater will be used, the I groundwater basin should be identified and any dence. The draft EA should include a discussion of s on groundwater resources within the hydrographic tter supply reliability for the proposed project and ng and/or proposed sources may be affected due to tion and groundwater recharge rates. Available nimize or recycle water should be identified.

this project a bit, and it seems, locally, the concern is on groundwater quality and supply, and the effects on ether they're hot or cold. Inquiring if (1) this has been this information available?

economic and recreational force in the region. Access to Black Rock Mud Company, Burning Man LLC's plans to creational campsites on their 360 property. Ranchers eer table to feed their animals. What are the long-term ential resource?

tamination. Groundwater contamination is possible with illing. The Operations Plan includes a Spill or Discharge hat only appears to address spills or discharges to the nd. There is no plan as to what processes should be ld there be an unlawful discharge to groundwater. Any obligation of Ormat should include a spill and discharge addresses groundwater contamination, and includes ion to contiguous landowners, regardless of whether isor believes the spill affects their property. Operations nat should provide the following pre-drilling and data ing this Project: The well testing procedures can also pacts that need to be addressed by BLM. Specifically: for impacts on springs/habitat, wetlands, and private eothermal) wells. - Again, Ormat has not specified an ent approach to address such impacts. In the post-drilling ase, additional concerns arise: - Ormat has not provided standard operating procedures for monitoring or for acts on springs/habitat or private wells/owners, given ional-drilling, rock-fracturing, lost circulation and "blowther changes (flow, level, chemistry). - It is not clear if the Project upends the heat flow wherein potable rces become non-potable or flow restricted. There ble party and process for replacing affected water rt- and long-term. - The process must also specify how itat be mitigated in the Project vicinity if ecologic

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Hickey	Chuck		Groundwater Resources	I am opposed to this
				energy souces and r
				water that was hot,
				Water is a precious
				jeopardizing the gro
				the Black Rock Dese
				the beautiful area th
Rankine	Dave		Groundwater Resources	I fear that water pun
				causing wells to run
Sady	Scott		Groundwater Resources	In addition, the wate
				exceed what I consid
				uncertainty.
Evans	Kristy	—	Groundwater Resources	The BLM should con
				supply and ensure th
				or contamination.
Tanner	Carolyn "Lina"	Burning Man Project	Groundwater Resources	The Project area lies
	-			Geothermal area wh
				Geothermal develop
				rates and flow paths
				existing surface flow
				study of the connect
				to estimate impacts,
				should analyze the in
				springs discharging fr
				occur if developmen
				flow downward fron
				currently occurs. W
				future upon further
Wittek	Stacey	Friends of Black Rock High Rock	Groundwater Resources	Water table and imp
	-			been utilized for a ve
				maximize energy out
				brine and are any ha
				Will gas or air or ch
				project alter ground
				carrier fluid and is th
				to the Ormat propo
				as much as 35,000 ga
				construction and due
				Water necessary for
				approved by BLM un
				term consequences
Carey	Scott	Nevada State Clearinghouse	Surface Water Resources and Water Rights	All waters of the Sta
				beneficial use pursua
				not otherwise. Wate
				that water is authori
				underground source
				issuance of a waiver

his project though I am a firm believer in alternative resources. Previous drilling (Fly Geiser) resulted in t, but not hot enough to support this type of operation. Its resource in the West and especially so in Nevada round water could be a major problem, but the beauty of esert - which abuts just off 3 mile access road will ruin that it is.

umped from those wells may lower ground water locally n dry or become polluted.

ter resources that would be required for this project far sider a reasonable safety margin in an era of climate

onsult a third-party engineering firm to study the water that local aquifers will be safe from depletion, alteration,

es along the northeast trend of the Black Rock which includes many important hot springs resources. opment frequently causes substantial changes in the flow ns in hydro geothermal systems which could alter ws at springs in the area. The BLM should do a detailed ctions among hot springs all along the trend noted above s, and set mitigation measures if appropriate. BLM impact of development of geothermal resources on from shallow groundwater systems. Impacts could ent changes the vertical gradient and causes water to om shallow groundwater significantly faster than While we recognize that these Impacts may occur in the development, they should still be identified now. pacts on hot springs. Though geothermal energy has very long time, some of the newer technologies to output are less verified. Will the reserve pits contain the hazardous materials expected to contaminate those pits? chemical fracking be used to lift fluids? How will this ndwater temperatures? Will antifreeze be used as a heatthere a risk of groundwater contamination? According oosal, water required for well drilling could range up to gallons per day. Water requirements for grading, lust mitigation will be around 6,000 gallons per day. or these activities will be from wells drilled on site and Inder a temporary waiver. What are the short and long of water extraction at this level?

tate belong to the public and may be appropriated for uant to the provisions of NRS Chapters 533 and 534 and ater shall not be used from any source unless the use of prized through a permit issued by the State Engineer. For ces, certain uses of water may be authorized through the er pursuant to NRS Chapter 534 and NAC Chapter 534.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Tanner	Carolyn "Lina"	Burning Man Project	Surface Water Resources and Water Rights	And, if the Great Boi reduce or cease func Mud Company that r that the Project has I the potential impacts early on in the proce ultimately be approve
Tanner	Carolyn "Lina"	Burning Man Project	Surface Water Resources and Water Rights	As to the planning ph the following, at a mi should avoid "targets the Project vicinity not be allowed unles specific conditions temperatures are affe springs, or larger if th (Luijendijk, and other account Springs wi groundwater resourd metals, including arse could become mobili drilling or long-term buffering/setbacks ard geothermal and mine affected. Ormat shou determine whether s
Canav		Neve de State Cleaninghouse	Sunface Mater Personness and Mater Pishte	zone of influence of t
Carey Emmerich	Scott Kevin	Nevada State Clearinghouse Basin and Range Watch	Surface Water Resources and Water Rights Surface Water Resources and Water Rights	Compliance with Ne Drill sites that are cle avoided.
Carey	Scott	Nevada State Clearinghouse	Surface Water Resources and Water Rights	Ensure that any wate provided by an estab application or waiver use acceptable for su
Emmerich	Kevin	Basin and Range Watch	Surface Water Resources and Water Rights	Some springs in the a with drill tests and co considered.
Emmerich	Kevin	Basin and Range Watch	Surface Water Resources and Water Rights	The Plan of Operatic level, geochemical, or within the areas cove to proposed explora
Cooper	Dave		Surface Water Resources and Water Rights	There should be som well sites, and where others reasonably co wetlands, and potable known to contain ce levels requiring treat geochemical changes conductance/TDS, di operations (temperat

Boiling Springs, located on neighboring private land, inctioning, this would adversely impact the Black Rock it relies upon its proper function. While we understand is been scaled down from development to exploration, icts on springs and groundwater should be examined beess, with mitigation strategies in place should a plant boved for construction.

phase of the Project, Ormat should be required to do minimum: - Test-hole mud-drilling exploration sites ets" that could affect springs, wetlands, and wells within - Directional-drilling beneath private property should ess authorized by the property owners, given the site-- Thermal studies show average heat flow and affected in an area within roughly one mile around the springs harvest heat flow over a larger area ners, 2020). These parameters should be taken into with connections to habitat, wetlands, and potable urces in the Gerlach area are known to contain heavy rsenic and uranium at levels requiring treatment, which bilized by incremental geochemical changes due to well m operations (temperature). - There should be around springs, wetlands, habitat, well sites, and where neral lease rights areas of others reasonably could be ould be required to perform a hydrogeologic analysis to sensitive areas and private property are within the of the proposed wells.

levada water law is required.

closest to springs wetland and private wells should be

ater used on a project for any manner of use shall be ablished utility or under permit or temporary change ver issued by the State Engineer's Office with a manner of suggested project's water needs.

e area contain heavy metals and can become mobilized could contaminate other water sources. This should be

tions has no specified monitoring actions for flow, water or other alterations in springs, wetlands, and wells, and overed by lease and mineral rights of others in proximity pration sites.

ome buffering/setbacks around springs, wetlands, habitat, ere other geothermal and mineral lease rights areas of could be affected. Springs with connections to habitat, able groundwater resources in the Gerlach area are certain heavy metals, including arsenic and uranium at eatment, which could become mobilized by incremental ges due to well drilling and testing (pH, electrical dissolved oxygen, organic carbon, etc.), or long-term rature)

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Not Provided	Not Provided	_	Surface Water Resources and Water Rights	Additionally, many of leases require protect pads does not respec
McPherson	Ann	US EPA Region 9	Surface Water Resources and Water Rights	Confirm with the U. jurisdictional waters discharge of dredged including wetlands ar of the U.S. are found and functions and val environmental impac discharges, and poter
McPherson	Ann	US EPA Region 9	Surface Water Resources and Water Rights	Consider in the draft the project within th anticipated extent an event, as compared t needed to accommo- and severity of storm system.
Emmerich	Kevin	Basin and Range Watch	Surface Water Resources and Water Rights	Geothermal plants de 2019, the BLM confir Jersey Valley Hot Spr Ormat started comm geothermal power pl made McGinnis Hills largest on BLM land. and pronghorn.
Scott	Matthew		Surface Water Resources and Water Rights	The local area and re known for naturally of thousands of membe of the drilling and ex private land within a temperature, water l mud to preserve the
McPherson	Ann	US EPA Region 9	Surface Water Resources and Water Rights	Under the federal Cl land area of one or n discharge permit. Th permitting requireme be necessary or bene aquatic resources.
Not Provided	Not Provided	—	Surface Water Resources and Water Rights	And I did not see any surface water resour the neighboring priva
Evans	Kristy	—	Surface Water Resources and Water Rights	Geothermal develop significant impacts by properties from func
Egbert	Cory	—	Surface Water Resources and Water Rights	l am specifically conc springs on my land, t

of the well sites are placed in spring-fed wetlands. BLM tection of wetland vegetation. The current layout of well bect that requirement.

U.S. Army Corps of Engineers that there are no rs requiring a Clean Water Act Section 404 permit for ed or fill materials into waters of the United States, and "special aquatic sites." If potential impacts on waters nd, specify the acreage and channel lengths, habitat types, values of these waters. Describe the potential bacts and discuss alternatives to avoid or minimize those tential measures to mitigate potential impacts. The analysis of impacts on water resources. Discuss the and depth of overland flows given a 500-year flood d to a 100-year event. Identify design considerations modate future anticipated effects (e.g., increased intensity rms) such as upsizing the stormwater management

dry up springs! Ormat has ruined Nevada springs, In affirmed that, after flowing for over a hundred years, Springs water flows started to decline not long after nmercial power production at the McGinnis Hills plant in July, 2012. Two subsequent expansions have Ils the largest geothermal power plant in Nevada and the d. This impacted bats, migratory birds, bighorn sheep

region Ormat plans to extract geothermal water from is y occurring hot springs which are frequented by bers of the public, including me. Given the methodology extraction proposed, hot springs on both public and a 25KM radius must be monitored for changes in er level and the presence of any chemicals used in drilling heir characteristics for the public who enjoy them. Clean Water Act, any construction project disturbing a r more acres requires a construction stormwater The draft EA should document applicable stormwater ments and discuss specific mitigation measures that may eneficial in reducing adverse impacts on water quality and

any mention of a plan by the proponent to monitor purces or domestic wells, whether on public land or on ivate parcels.

opment in this proposed location has the potential for by altering or stopping existing surface springs on private nctioning. This needs to be evaluated.

ncerned with how this project will affect the natural I, their existence, water quality and temperature.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Jamieson	David	—	Surface Water Resources and Water Rights	I am specifically conc springs on my land, t
Not Provided	Not Provided	-	Surface Water Resources and Water Rights	The current set of de that the well pads an that are extremely ra extremely important recreation, and the e
McPherson	Ann	US EPA Region 9	Surface Water Resources and Water Rights	for generations in th The draft EA should including the presence
Squires	Eric		Surface Water Resources and Water Rights	The local hot springs and well as modern u Disruption of hot spr should the water disa moisture environmen strike a balance that existing resources. If protect resources, le negative impact.
Emmerich	Kevin	Basin and Range Watch	Wildlife	Night lighting will dis migratory birds and a
Andrle	Katie	Nevada Department of Wildlife	Wildlife	Bighorn sheep occup geothermal project a the geothermal explo ask that appropriate potential impacts fro fragmentation, etc. In this area is winter ha considerations to be applied on constructi North of Highway 44 •Cease construction snowfall events) if sh project site.
Andrle	Katie	Nevada Department of Wildlife	Wildlife	The south end of the area for potential con domestic sheep. Give Department has com sheep trailing and sub wild sheep. We requ this risk be considered
Andrle	Katie	Nevada Department of Wildlife	Wildlife	We recommend con (DKM) if they have n If impacts are expect to avoid, minimize ar

ncerned with how this project will affect the natural their existence, water quality and temperature.

documents supplied by the project proponent suggests and access roads would heavily impact wetland areas rare in that region. These wetlands are of course nt to wildlife, agricultural interests, and public e effects of disturbance or alteration would likely linger the fragile desert ecosystem.

Id identify the presence of surface water bodies, ence of springs and rare wetlands.

ngs are culturally significant resources, with indigenous n use. Thermal energy is an amazing resource. spring resources may have a exponentially higher impact disappear, than areas with higher rainfall. This low nent depends on these hydro-thermal resources. Let's at allows for resource development while protecting . If that means saying no to development in order to . let's do that until development may proceed without

listurb nesting eagles, bats, bighorn sheep, pronghorn, I a variety of insects.

upy the area within and adjacent to the proposed t area year-around (Figure 1). We recommend analyzing ploration impacts on bighorn sheep and their habitat and te design features be included to avoid or reduce rom noise, construction activities, habitat loss and In addition to being a high use area for bighorn sheep, habitat for mule deer. Below are some preliminary be included as design features: Timing restrictions be ction/drilling activities from Apr 15 - June 30 in areas 447 to reduce noise impacts during the lambing season. on activities in the winter and spring (e.g. during large sheep and/or mule deer congregate on or near the

the Granite Mountains has been identified as a high-risk contact to occur between bighorn sheep and trailing iven that this area is currently a high-risk area, the oncerns regarding how the project will affect domestic subsequently the risk of contact between domestic and quest this be analyzed and that any options that increase ered.

ompleting baseline surveys for Dark Kangaroo Mice not already been done for previous project proposals. cted on DKM, we hope design features can be included and mitigate impacts.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Reynolds	Margie	_	Wildlife	The southern granite spotted and photogr impact will this proje negative impacts on Guzzler.
McPherson	Ann	US EPA Region 9	Wildlife	We understand that management plans ac sagebrush ecosystem See Update on BLM https://www.blm.gov recommends that an further NEPA docum restrictions to sage-g project area.
McPherson	Ann	US EPA Region 9	Wildlife	Analysis of impacts a Baseline conditions of clear description of h will protect and enco habitats in the project management efforts effectiveness Ident
Shepard	Darcy	-	Wildlife	Furthermore, prong these areas and dese
McPherson	Ann	US EPA Region 9	Wildlife	On August 23, 2021, Order 2021-18 which Transportation and M Habitat Conservation with land management use the Framework for strategies to restore migration corridors. development of the st to identify and conset species. Given Execut work closely with N proposed project do migration corridors,
Wittek	Stacey	Friends of Black Rock High Rock	Wildlife	The exploration proj projected the area of Habitat Allotment fo winter grazing habita hydrologically connec the desert are rare a and resident birds an

ites have been home to Bighorn Sheep. An elk was graphed near Transfer Rd. about a decade ago. What oject have on flora and fauna? This project is sure to have n local wildlife, and those animals that use the nearby

at the BLM will begin to review updates to the land adopted in 2015 that were designed to support ems and greater sage grouse that rely on this habitat. I I M Greater Sage-Grouse Plans (May II, 2021) at: ov/programs/fish-and-wildlife/sage-grouse The EPA an update on the status of 2015 plans be included in uments including any changes, additional mitigations, or e-grouse related stipulations, if any, associated with the

s and mitigation on covered species should include: s of habitats and populations of the covered species. - A of how avoidance, mitigation and conservation measures necourage the recovery of the covered species and their ject area. - Monitoring, reporting and adaptive ts to ensure species and habitat conservation ntification of nearby migration corridors. mghorn and our state animal the bighorn sheep roam

ignorn and our state animal the bignorn sneep roam serve undisturbed, unfragmented habitat.

21, Nevada Governor Steve Sisolak signed Executive nich instructs the Nevada Departments of Wildlife, d Natural Resources to develop a plan called the Nevada ion Framework (Framework). Through coordination nent agencies and other interested parties, the State will k to evaluate threats, prioritize landscapes, and develop re and conserve at risk wildlife habitats, including rs. A key component of the Framework will be the e statewide Nevada Wildlife Connectivity Plan that seeks serve migratory corridors for ungulates and other key cutive Order 2021-18, the EPA encourages the BLM to NDOW, NDOT, and NDCNR to ensure that the does not impact sensitive species, critical habitat, s, and scenic landscapes within the state of Nevada. roject impacts important wildlife habitat. As currently of disturbance will overlap into Nevada Bighorn Sheep for grazing and management. This is also an important itat for pronghorn antelope. Wetlands that are nected to the project will likely be impacted. Wetlands in and important habitats for invertebrates, fish, migratory and mammals.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Netherton	Shaaron	Friends of Nevada Wilderness	Wildlife	The exploration pro
				projected the area o
				Habitat Allotment. 7
				pronghorn antelope
				project will likely be
				important habitats fo
				mammals.
Tanner	Carolyn "Lina"	Burning Man Project	Wildlife	The Project has the
				number of ways. If t
				decreases in flow an
				to the Project's geor
				by the springs. The 3
				in the desert are bio
				fish, resident and mi
				terrestrial wildlife. T
				in flow due to geoth
				and what the ecolog
McPherson	Ann	US EPA Region 9	Threatened and endangered species	The EPA recommen
				Service to determine
				Endangered Species
				with the USFWS and
				current and consiste
				applied in all species
				EA the status of sucl
				of construction and
				measures that would
				areas from potential
McPherson	Ann	US EPA Region 9	Threatened and endangered species	The draft EA should
				endangered species
				area. The document
				habitat might be dire
				alternative and mitig
				indicate what measu
				areas from potential
				that emphasis be pla
				their status or poter
				Species legislation. D
				mule deer occur in t
				from the proposed p
Lassuy	Dennis	—	Threatened and endangered species	This project appears
-				setting to the Borax
				(Harney Basin) wher
				once emergency-list
				development. To my
				geothermal connect
				geothermal systems
				before any further p
				risk of an emergency

roject impacts important wildlife habitat. As currently of disturbance will overlap into Nevada Bighorn Sheep This is also an important winter grazing habitat for be. Wetlands that are hydrologically connected to the be impacted. Wetlands in the desert are rare and for invertebrates, fish, migratory and resident birds and

e potential to impact important wildlife habitat in a the likely geothermal plant development occurs, and temperature from springs hydrologically connected othermal resource may impact wetland habitat created 360 Property includes such valuable habitat. Wetlands iodiversity hotspots, providing habitat for invertebrates, nigratory birds, and a vital water source for larger The BLM should analyze in detail the potential changes thermal development to all potentially connected springs, ogical consequences of such changes would be ends the BLM coordinate with the U.S. Fish and Wildlife ne whether consultation under Section 7 of the s Act would be required. The BLM should coordinate nd Nevada Department of Wildlife to ensure that tent surveying, monitoring, and reporting protocols are es protection and mitigation efforts. Disclose in the draft ich coordination efforts, as well as any potential impacts d operations activities on habitat and species, and any Ild be implemented to protect important wildlife habitat al adverse effects of proposed activities.

Id identify all petitioned and listed threatened and s and critical habitat that might occur within the project nt should identify and quantify which species or critical irectly, indirectly, or cumulatively affected by each tigate impacts on these species. The draft EA should sures will be taken to protect important wildlife habitat al adverse effects of proposed activities. We recommend blaced on the protection and recovery of species due to ential status under the federal or state Endangered Discuss whether greater sage-grouse, bighorn sheep, or in the project area and, if so, analyze potential impacts d project to these species.

rs to be in a similar and not very distant geological ax Lake geothermal site in extreme southern Oregon ere the Borax Lake Chub (Siphateles boraxobius) was sted under the ESA due to the threat of geothermal my knowledge, no definitive testing of the extent of ction between the Borax Lake complex and other as has been completed. Will such a study be undertaken permitting of the Gerlach project advances? If not, the acy re-listing of the Borax Lake Chub will remain.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Wilcox	Rob	-	Threatened and endangered species	The BLM is bound by species and endange Grouse. People make "canaries in the coal
Sady	Scott		Cultural Resources	This is an area of imr Exploratory wells alc cultural significance f road art drive would and test wells would mountains.
Wilcox	Rob	—	Cultural Resources	The power line conn South, and potentiall archeological tribal r
Cooper	Dave		Cultural Resources	Additionally another economy of Gerlach along County Road 3 completely denied by will greatly diminish t experiences from thi found at: https://artra
Netherton	Shaaron	Friends of Nevada Wilderness	Cultural Resources	Guru Road/Dooby L to the time of his dea engravings and monu Gerlach and parallel loving and humorous of visitors to the BRI Guru Road is in the Guru Road is less tha is required to honor impossible to believe Or that it will be acc
Wittek	Stacey	Friends of Black Rock High Rock	Cultural Resources	Preservation of Paleo research on Late Plei Basin Paleoindians of left a considerable ar crescent shaped tool mats tell a story of e proposed Ormat site of these artifacts wer and Elephant Mounta the proposed Ormat Lahontan, crescent s abundant. The propo a baseline for unders project. As the lootin has been disrupted th

by law to evaluate the impact to Federal endangered gered species in the pipeline such as the Western Sage ake fun of the Endangered Species Act, but it identifies al mine" for us all. That would require a full EIS.

mmense natural beauty and cultural significance. along the Black Rock desert would destroy areas of e for the native communities, destruction of the guru Ild eliminate an area that draws international visitation Id destroy the pristine views of the Calico and Granite

nnecting this plant to NV Energy substations to the ally to the West and East is an impact, including on I resources, requiring an EIS.

er economic development project that will enhance the ch is the Washoe County ArTrail. A proposed trailhead d 34 for the ArTrail will be greatly impacted if not by the proposed development. Industrial development h the environmental setting as well as desired this important project. More ArTrail information can be trail.washoecounty.us/

A Lane, an intentional art and community site. From 1970 death in 1995 DeWayne Williams built over 450 rock numents on a long stretch of road just one mile from el to State Route 34. Nicknamed Dooby Lane it is a bus testament to the community of Gerlach. Thousands RNCA have walked the road as a significant cultural site. e Ormat project plan boundary and the southern end of than 700 feet from a proposed well pad. Though Ormat or the right of way of Guru rd. on public lands it is eve that the beauty and integrity of the site will remain. cccessible to the public.

leoindian artifacts and archaeological sites. Extensive Pleistocene and Early Holocene has shown that the Great occupied the lake basins of ancient Lake Lahontan and amount of carbon dated artifacts. Shells, charcoal, bone, ools, fossilized coprolites, human hair and twined tule f early human history well over 8,000 years. The tite is within the lake fluctuation area of Lahontan. Many were found near shoreline cave areas of Handprint Cave thain Cave within the BRNCA. Just two miles north of nat site, on ledges carved out from the tides of Lake t shaped tools used to stun waterfowl, were once posed Ormat site deserves a thorough review to create erstanding the potential consequence of the proposed oting of Elephant Mountain Cave has shown, once a site a the archaeological record is unredeemable.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Cooper	Dave		Cultural Resources	The historic Nobles
				John C Fremont lie
				within the lease plan
				Boiling Springs notin
				What are the poten
				sites and the historie
Netherton	Shaaron	Friends of Nevada Wilderness	Cultural Resources	The Nobles Trail wa
				southwest from the
				and on to Honey La
				commemorating the
				these markers, 'Grai
				(market N7) are wit
				Exploration build are
				emigrants came to a
				ruins of Fort Granite
				spring. Fenced areas
				reading the markers
Evans	Kristy	—	Cultural Resources	What will be expect
	,			Road or the Historic
				Ormat must plan to
				cultural resources w
Reynolds	Margie	_	Cultural Resources	Where there was wa
,	0			culturally rich dating
				encampments have b
				area. Once these ha
				forever.
Netherton	Shaaron	Friends of Nevada Wilderness	Cultural Resources	Extensive research o
				the Great Basin Pale
				Lahontan. The propo
				Lake Lahontan. The
				properly address the
				sites located in the a
Bansen	Peter		Cultural Resources	One of the cultural
Dansen			Cultural Acsources	for that matter) is G
				exploration area and
				Guru Lane is an exce
				large example of what
				created by people w the United States, th
				celebration of works
				Museum in Baltimor
				Nevada, the BLM ap
				such as this, which s
				consideration of suc

es Trail and the historic 1842-1843 exploration route of e directly adjacent to the proposed development and anning area. Fremont camped at and named the Great ting the numerous springs scattered throughout the area. ential impacts on settings of these historic undeveloped ric trail corridor?

was established in 1852 to provide a new wagon route the Black Rock Desert through the Smoke Creek Desert Lake and Susanville. Over 700 historical markers the emigrant journey are spread across the route. Two of tranite Springs' (marker N6) and 'Great Boiling Springs' within or at the beginning of the Ormat Geothermal area. Marker N6 is on the site that the first water the after crossing the Black Rock Desert as well as the rock ite. Marker N6 is the site of a large deep and very hot as could potentially prevent visitors from stopping and rs and considering the cultural history of the area. cted of Ormat to have no negative impacts on Guru ric Nobles Trail in the planning area? The BLM and to allow for the preservation and public access of historic within the planning area.

water, there was life. It's no secret that this area is ng back thousands of years. Artifacts and evidence of e been found at all springs around the Black Rock Desert nave been excavated and covered over, they are gone

on Late Pleistocene and Early Holocene has shown that leoindians occupied the lake basins of ancient Lake posed Ormat site is within the lake fluctuation area of e proposed project site deserves a thorough review to he potential impacts on the numerous archaeological e area.

Il resources of the Gerlach area (and Northern Nevada, Guru Lane, which is dead center in the proposed and would be destroyed by the proposed exploration. Acceptional example of American folk art and a unusually what is sometimes called 'visionary art' - works of art without formal training or education. In some places in there are entire museums devoted to the exhibition and the form at this - the American Visionary Art ore, Maryland is an example (https://www.avam.org/). In apparently takes a dim view of such a cultural resource speaks poorly of the breadth and depth of the NEPA uch resources.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Wittek	Stacey	Friends of Black Rock High Rock	Cultural Resources	The Nobles Trail wa
				southwest from the
				and on to Honey La
				enthusiasts has estab
				the emigrant journey
				and 'Great Boiling Sp
				the Ormat Geothern
				that the first water t
				Desert as well as the
				large deep and very
				stopping and reading
				the area.
Tanner	Carolyn "Lina"	Burning Man Project	Cultural Resources	The Operations Plan
				conducted; however
				Operations Plan at p
				route of John C Frer
				location. There must
				and historic resource
Simmonds	Jeff	Iron Butt Association, Friends of Gerlach, Friends of Black Rock	Cultural Resources	Too much natural hi
				NO.
Fiumara	Cedi	—	Environmental Justice	We also don't even
				geothermal energy h
				it, and instead contin
				landscape is harveste
				Gerlach exists.
Emmerich	Kevin	Basin and Range Watch	Environmental Justice	Please do not allow '
McPherson	Ann	US EPA Region 9	Environmental Justice	The draft EA should
				Executive Order 128
				in Minority Population
				The draft EA should
				impacts on minority
				to foster public parti
				geothermal project i
				should reflect coord
Not Provided	Not Provided	—	Environmental Justice	Although I certainly
			-	not convinced that t
				would certainly not l

was established in 1852 to provide a new wagon route he Black Rock Desert through the Smoke Creek Desert Lake and Susanville. Since 1970 a non-profit group of cablished over 700 historical markers commemorating hey. Two of these markers, 'Granite Springs' (marker N6) Springs' (market N7) are within or at the beginning of ermal Exploration build area. Marker N6 is on the site or the emigrants came to after crossing the Black Rock the rock ruins of Fort Granite. Marker N6 is the site of a ry hot spring. Fenced areas will prevent visitors from ng the markers and considering the cultural history of

an notes that cultural resource surveys have been er, no detail as to the results of such surveys is noted. t page 11. The historic Nobels Trail and the exploration remont lie directly adjacent to the Project's proposed ust be a thorough archeological survey of all prehistoric rces located in the area.

history as well as cultural significance to drill it away.

n know if Gerlach will benefit from the production of here. For all we know, we might not even get access to tinue to rely on our decaying equipment while the sted for the benefit of others who don't even know

w "directional drilling" near residential areas.

Id assess impacts on local communities consistent with 2898, Federal Actions to Address Environmental Justice tions and Low-Income Populations (February 11, 1994). Id address the potential for disproportionate adverse ty and low-income populations and the approaches used rticipation by these populations. Assessment of t impacts on minority and low-income populations rdination with those affected populations.

ly support the development of renewable energy, I am t the Black Rock Desert is the appropriate place, and it of be a highest and best use of our public lands.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Last Name Cooper	First Name Dave	Organization Name	Comment Code Name Socioeconomics	Comment Text What are the project Rock Desert has som is a very popular dest and experience these night and will impact session, the Nevada dark sky areas "serve enhance Nevada's da ecological, astronom Legislature determine under the program v communities near Ne economic activity for Gerlach is currently program to assess an the dark skies. The B pollution of the Proje interfere with opport the article about Ger Darkest Town in Am
Reynolds	Margie	_	Socioeconomics	town-in-america/ Degrading the experi This project creates Black Rock or Smoke
Lyon	Sarah	_	Socioeconomics	by big energy. Gerlach is also a plac reason I choose to liv landscape and the sce
Netherton	Shaaron	Friends of Nevada Wilderness	Socioeconomics	main ways most busin Gerlach's economy a visitors from around location of this proje create significant imp
Wittek	Stacey	Friends of Black Rock High Rock	Socioeconomics	Gerlach's economy a visitors from around and quietude. The log the gateway commun
Fiumara	Cedi		Socioeconomics	I oppose the geother close to Gerlach. To but I am extremely a intimate proximity to shaped by the culture opposition. I speak as preserving what a litt cultures. I can only he to put forth meaning said than I can reasor

ects impacts on the dark skies of Gerlach? The Black ome of the darkest night skies in the lower 48 states and estination for visitors that travel here to view the stars se dark skies throughout the year. Drill rigs will be lit at ct the Gerlach dark skies initiative. In the 2021 legislative Legislature passed Senate Bill 52 which declared that ve to specifically promote, preserve, protect and lark sky resources for their intrinsic value and their mical, cultural and economic importance." Further, the ned that "Designation of dark sky places in Nevada will also attract tourists and other visitors to rural Nevada's dark sky assets, thereby generating increased or surrounding communities and their small businesses." y in the process of applying for grants under the state and diminish the effects of lights in the community on BLM should conduct a detailed study of the light pject and how it will impact the dark sky brightness and ortunities for Astro Tourism and star gazing. Refer to erlach and the Black Rock Desert dark skies "The merica": https://fivethirtyeight.com/features/darkest-

erience will likely have a longer-term impact on tourism. Is negative visual experiences for visitors traveling to like Creek areas. The experience will be forever marred

ace with very few impedements to scenic views, another live here. Putting a facility here would change the scenery for Gerlachians and tourists, which is one of the sinesses in town survive.

and quality of life is dependent on tens of thousands of d the world drawn to sublime beauty and solitude The ject within the viewshed of Gerlach and the NCA will spacts on the area's visual resources.

and quality of life is dependent on tens of thousands of ad the world drawn to sublime beauty, pristine places location of this project within the viewshed of Gerlach, unity to BRNCA, is an unacceptable consequence. ermal exploration and any subsequent activities being so to be clear, I am strongly in favor of renewable energy, against the idea of such operations being of such to our town and the area around it that has been ure here. Below, I list only a few reasons for my as a resident of Gerlach, and also as an advocate of ittle remains of remote American towns and their hope that someone better equipped than I will step up ngful oppositions to this proposal. There is more to be onably articulate.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Bansen	Peter	—	Socioeconomics	In addition to the de
				cultural resource, the
				Gerlach and the Blac
				could not be mitigate
				project out of hand .
				irreplaceable value.
				project would have l
				proponents should b
				regions.
Reynolds	Margie	—	Socioeconomics	This project will fore
				community. This dev
				edge of a majestic an
				the people who live
Not Provided	Not Provided	—	Socioeconomics	During the active dri
				and traffic would cor
				region.
Jamieson	David		Socioeconomics	I do not have any de
,				the geothermal indus
				property, its natural,
Egbert	Cory		Socioeconomics	I do not have any de
0	,			the geothermal indus
				property, its natural,
Egbert	Cory		Socioeconomics	If my property is neg
0	,			me? And what respo
				correct any harm cau
Jamieson	David		Socioeconomics	If my property is neg
				me? And what respo
				correct any harm ca
Walters	Jason		Socioeconomics	The community of G
				explorations before
Not Provided	Not Provided	_	Socioeconomics	These lands are used
				are may residents of
				immediately affect.
Hickey	Chuck	_	Socioeconomics	This may look like a
/				resource that provid
				have seen what happ
				the town of Empire
				Ghost Town in Neva
				and the folks that live
				There are other geo
				opportunities that co
				town of Gerlach.

destruction of what many people regard as an important the aesthetic and environmental harm to the town of lack Rock Desert would be significant and permanent and ated in any meaningful manner. BLM should reject this d - it would be devastating to an area with unique and the there are lots of other places in Nevada where such a e little impact and would disturb no one and the be encouraged to explore opportunities in such

prever degrade the character of this historic and unique evelopment, in eye/earshot of our community, on the and protected landscape, is a bad idea that disrespects we here as well as those who enjoy it.

drilling phase, the noise and lights from the drilling rigs onsiderably impact all residents and visitors in the

desire to prevent new business, especially the growth of lustry. I am however concerned about protecting my al, historical, and cultural value.

desire to prevent new business, especially the growth of lustry. I am however concerned about protecting my al, historical, and cultural value.

egatively impacted, what remedies will be available to ponsibility does the BLM or the developer have to caused to me by these activities?

egatively impacted, what remedies will be available to ponsibility does the BLM or the developer have to caused to me by these activities?

Gerlach must benefit, not suffer, from the proposed e they can lead to the construction of a power plant. ed by many hundreds of thousands of people and there of the town of Gerlach and Empire that this project will

a dead dry lake, but the playa is a vast recreational vides most of the income for the people of Gerlach. We ppens when companies move and and move out (witness e 9 miles up the road - which calls itself the "newest evada" - due to the gypsum mining company that left lived in the "company town" found themselves homeless. eothermal resources in the area that would provide could have mitigated impacts on the Black Rock and the

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Cooper	Dave		Socioeconomics	This project is at our controversial long te community of Gerlac very character and se community and make community to the Bi tourism. The only wa character of the com
				private properties is the community and p
Egbert	Cory		Socioeconomics	In addition to my cor also operate a cosme from the mud pots th geothermal activity. I otherwise substantial the quality of water of harmed.
Jamieson	David		Socioeconomics	In addition to my cor also operate a cosme from the mud pots th geothermal activity. I otherwise substantial the quality of water of harmed.
Griffin	Simone	BlueRibbon Coalition	Socioeconomics	Local communities re opportunities. There public lands as well a that in 2019, outdoor recreation, especially tremendously since e
Tanner	Carolyn "Lina"	Burning Man Project	Socioeconomics	Should the Project m affect the local econo Ormat should addres be requested to acce 360 acres.
Emmerich	Kevin	Basin and Range Watch	Socioeconomics	This will impact tour a popular destination with new transmissio
Evans	Kristy		Socioeconomics	What is the socioeco provide any direct be benefits from the ten travel to this region y spaces and undevelop attend numerous eve The location of the P the experience of the Gerlach.

ur very front door and will lead to significant and term adverse impacts on the residents and the small ach. The project will lead to permanent change of the sense of place that is of utmost importance to the kes Gerlach what it is. Gerlach is the gateway Black Rock Desert and is surviving and dependent upon way to mitigate the significant adverse impacts on the mmunity, the sense of place to Gerlach and adjacent is to move all of the geothermal development away from private properties so it is out of sight and sound. oncerns for my falconry business, my family members netics business/charity based on extracting illite clay that naturally form on my property as a result of the . If outside development eliminates, contaminates, or ially changes the surface conditions on my property, or on my property, this business would be significantly

concerns for my falconry business, my family members metics business/charity based on extracting illite clay that naturally form on my property as a result of the r. If outside development eliminates, contaminates, or tially changes the surface conditions on my property, or r on my property, this business would be significantly

rely on motorized recreation for economic re has been a surge of use throughout the nation on I as in Nevada. The Bureau of Economic Analysis shows oor recreation alone generated \$459.8 billion . Outdoor Illy motorized outdoor recreation has increased e even 2019.

move toward development, considerations that could nomy should be raised and addressed now. For instance, ress whether there are any pipeline alignments that will cess private property, including Burning Man Project's

urism and recreation for the local economy. The area is on and the construction of an industrial power facility sion will drive many people away.

economic impacts on the local community? Will Ormat benefits to Gerlach? Gerlach's economy significantly tens of thousands of visitors from around the world who n year-round to experience the solitude of the vast open loped vistas present in the Black Rock Desert as well as events and pursue a variety of recreation experiences. Project within this view shed could negatively impact these tourists, and thus the vibrant tourism industry of

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Cooper	Dave		Socioeconomics	With further develop
				completed to determ
				adjacent private prop
				result in damage to h
				measures will be imp
				property? Pumping la
				potential to dry up th
				commercial value and
				with reinjection of w
				significant adverse im
				location has the pote
				existing surface sprin
				Great Boiling springs
				development could c
				Mud company putting
Cooper	Dave	_	Socioeconomics	Workers will need to
•			accommodations in C	
				one motel in town it
				visitors that stay ther
				very important part o
Wittek	Stacey	Friends of Black Rock High Rock	Socioeconomics	Geothermal develop
		0		businesses, including
				Boiling Springs for an
				recently acquired pro
				into a makerspace an
				via a linking walking t
				development is direc
Netherton	Shaaron	Friends of Nevada Wilderness	Socioeconomics	Geothermal develop
				businesses, including
				Boiling Springs for an
				recently acquired pro
				into a makerspaces a
				via a linking walking t
Wittek	Stacey	Friends of Black Rock High Rock	Socioeconomics	Outdoor Recreation
		0		portion of the Granit
				(RMZ) and will end e
				enthusiasts. The RZN
				developed, located a
				preserving the charac
				Canyon Emigrant Tra
				largely based on the
				hunters, mineral and
				visit the area.

opment of the resource a thorough analysis must be mine if there is a possibility of subsidence on the operties and in the community of Gerlach that could homes and other structures and if so what mitigation aplemented to compensate for damage to life and large amounts of water from the aquifer has the the numerous springs in the area some of which are of nd would result in loss of private use and business. Even water back into the aquifer there is still potential for impacts. Geothermal development in this proposed tential for significant impacts by altering or stopping ings on private properties from functioning. The historic gs on private land adjacent to the proposed cease to function and adversely impact the Black Rock ing them out of business.

to be required to live on site. There are no a Gerlach to house work crews. If they were to use the it would displace the many tourists, recreationist and ere throughout the year. These visitors are a vital and t of the tourism economy of Gerlach.

ppment has the potential for significant impacts on local g Black Rock Mud Company, that relies on Great an array of beauty products. Burning Man Project property with the intention of developing the property and sculpture garden that would be open to the public g trail from the community of Gerlach. This commercial ectly adjacent.

ppment has the potential for significant impacts on local og Black Rock Mud Company, that relies on Great an array of beauty products. Burning Man Projects property with the intention of developing the property and sculpture garden that would be open to the public g trail from the community of Gerlach.

on and Ecotourism. The proposed project overlaps a nite Mountain Special Recreation Management Zone I easy access to a favorite recreational area to outdoor ZM directs that any facilities in this area "will be and designed in such a way as to be consistent with racter of the adjacent Black Rock Desert High Rock Trails National Conservation Area.' Gerlach's economy is e tens of thousands of outdoor event participants, ad gem enthusiasts, rocketeers, campers and hikers who

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Tanner	Carolyn "Lina"	Burning Man Project	Socioeconomics	The Operating Plan d
				Town of Gerlach and
				benefits will be minin
				could benefit from m
				ultimately be allowed
				if the energy generate
				did, customers of Sie
				generalized benefit fr
				without specific plan
				aging transmission an
				utilizes glass insulator
				associated with the P
			of 18 workers will be	
			preference for the en	
			Moreover, as it stand	
				does not indicate how
				in their own tempora
				the Project could also
				Geothermal developr
				impacts by altering or
				discussed more fully l
				example, should the l
				functioning, the comr
				thwarted.22 Burning
				approximately \$2 mil
				Property as a comme
				tourism, thereby stre
Bierle	Russell		Socioeconomics	This project will caus
				in Gerlach with no sig
				to stabilize Gerlach's
Egbert	Cory		Socioeconomics	Will the construction
Egbert	Cory		Socioeconomics	
1 •				hours and on weekda
Jamieson	David		Socioeconomics	Will the construction
				hours and on weekda
Fiumara	Cedi	—	Noise	Gerlach is easily the o
				another very real effe
Brooks	Christopher	_	Noise	In general, I'm very co
				I'm hoping that equip
				as quiet as possible ar
Evans	Kristy		Noise	The BLM should cond
	,			Project. It is very quie
				create and what can l
				e cace and mat can
				for local residents? T
				for local residents? T and hums, will be am

does not reflect any specific economic benefits to the nd the surrounding region. Rather, it appears that the imal and possibly counterproductive. While Gerlach modernized energy infrastructure, should Ormat ed to construct a geothermal plant there, it is unknown ated would even remain in the State of Nevada. Even if it ierra Pacific Power Company would only receive some from additional renewable resources coming on line, nning between Ormat and NV Energy to address the and distribution of the region, which currently still ors. There does not appear to be an influx of local jobs Project. The Operations Plan indicates that a maximum be on site at a given drill pad location but states no employment of a local workforce. Operating Plan at 4. nds, Gerlach suffers from a housing shortage. Ormat ow it might alleviate that problem, other than bringing prary trailer housing. Id. Unintended consequences of lso negatively impact businesses and landowners. pment in this region has the potential for significant or stopping existing surface springs from functioning, as y below. Such impacts can harm local businesses. For e hot springs located on Burning Man's property cease nmercial investment to develop the property would be g Man Project is in the process of seeking nillion in federal funding to help develop the 360 nercial enterprise supporting outdoor recreation and rengthening the economy of the region. See also FN 1. use irreparable damage to quality of life and ecotourism significant benefit to the community while doing nothing 's power supply. on/drilling operations only take place during daylight days to avoid disturbing my business and that of others?

adays to avoid disturbing my business and that of others? on/drilling operations only take place during daylight days to avoid disturbing my business and that of others? e quietest place I've ever lived. Sound pollution is ffect from projects such as the one proposed here concerned about how loud the entire project will be, ipment in locations other than near Dooby Lane will be and behind berms.

onduct a detailed study of the noise pollution of the uiet in the Gerlach area - how much noise will this n be done to significantly minimize the negative impact The noise alone, even if it turns out to be only hisses mplified and bounced off the mountain directly at the

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Cooper	Dave	—	Noise	With such a short di
				noise impacts on the
				life in this remote to
				What are the noise
				roads, clearing the d
				community of Gerla
				of the Granite Mour
				backdrop of the stee
				toward private prop
				The planned RV parl
				property are immed
				be adversely impacte
				the proposed indust
Emmerich	Kevin	Basin and Range Watch	Noise	Geothermal plants c
				recreationists and lo
				pronghorn, bighorn
				disturb recreationist
Not Provided	Not Provided	—	Noise	The train already cau
				and the noise, we do
				extra decibel of sour
Reynolds	Margie	—	Noise	This is a quiet comm
				way. The mountains
				real.
Wittek	Stacey	Friends of Black Rock High Rock	Noise	Noise. The project li
				Ormat project plan f
				operating well drillin
				aggregate materials
				days a week, right ne
				distressing.
Netherton	Shaaron	Friends of Nevada Wilderness	Noise	The project lies with
				project plan for rock
				operating well drillin
				aggregate materials v
				Road and adjacent to
				impacts on the lives
Whipple	Will	—	Noise	Will there be light ar

distance from town, there is potential for significant he community of Gerlach and disruption to the quality of town where residents enjoy the solitude and quietude. e impacts from drilling activities 24/7, construction of drill pads, and the increase in truck traffic through the lach? What is the noise impact to the surrounding areas untains used for recreation including Guru Road? The eep Granite Mountains will reflect the noise pollution operties and town. An in-depth noise analysis is required. ark and associated miniature golf course on private ediately adjacent to the proposed development and will cted by and is incompatible with the sights and sounds of strial development.

create significant noise impacts and this disturbs wildlife, local people. Noise will disturb nesting golden eagles, n sheep and a large list of migratory birds. Noise will also ists, campers and local residents of Gerlach.

causes every building in Gerlach to shake from the weight don't need anything else that even creates one single und here.

nmunity. Residents, visitors, and wildlife prefer it that ns will bounce sound back to town. Sound pollution is

t lies within a mile of Gerlach residences, and despite the n for rock mufflers the very fact of 200 plus employees ling, moving heavy equipment, moving rocks and s within one mile of the community 24 hours a day, 7 next to Guru Road and adjacent to private property, is

ithin a mile of Gerlach residences, despite the Ormat ick mufflers the very fact of 200 plus employees ling, moving heavy equipment, moving rocks and s within one mile of the community, right next to Guru to private property will cause significant negative es of local residents.

and noise pollution from the planned wells and plant?

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Last Name Tanner	First Name Carolyn "Lina"	Organization Name Burning Man Project	Comment Code Name Noise	With the Project loc that a Noise Analysis the impacts on reside Ormat's suggested "o World Geothermal o efficacy of portable r emissions, the author rock muffler is typica to the use of perman noise [World Health hours/day. Noise me dB, as stated in geoth Tank for Well Testin muffler, portable or well pads proposed o Property appears to under development t housing, a cafe and co
Carey	Scott	Nevada State Clearinghouse	Public Health and Safety	exploration wells ma public land users in the lf this facility will have months throughout the the Bureau of Safe D noncommunity (NTN infrastructure that is plans and specificatio
Dougherty	James	Tripoli Central California (Prefecture # 52)	Public Health and Safety	BSDW. No discussion of the atmospheric concent Radon (Rn), Arsenic to public and occupar ecological disasters w to see the data on ho aggregate number of References section (a per test). References Geothermal Energy- O'Banion; LAWREN California Livermore
McPherson	Ann	US EPA Region 9	Public Health and Safety	Although rare in Wa Valley Fever in huma activities associated v Coccidioides spores. as well as measures t workers and resident

ocated within a mile of Gerlach residences, it is critical sis be completed through the NEPA process to identify idents of noise from the Project, and the efficacy of "one rock muffler" per drilling rig. Id. In 2010, the Congress was presented with a white paper as to the rock mufflers for well testing purposes. As to noise ors stated, "The noise level recorded on this portable cally about 90 to 100 dBA at a radius of 5 m compared anent rock muffler, which was about 80 - 90 dBA, while th Organization] threshold is 85 dBA for 8 working neasurement in the adjacent community was below 60 othermal environmental policy." Portable Rock Muffler ting Purpose, 2010, page 2. The level to which a rock permanent, can reduce noise to acceptable levels from on both the south and north borders of the 360 o be insufficient. This commercial property is currently to include among other things campsites, modular community space. This constant noise associated with nay also be significantly disruptive to the serenity of the nearby National Conservation Area.

ave at least 25 employees on site for more than six t the year, then it will be required to be permitted by Drinking Water (BSDW) as a nontransient TNC) public water system. Before any water is intended for potable use is constructed, engineering ions will be required to be reviewed and approved by

ne real health risks of a diversion pond - exposure to ntrations of Hydrogen Sulfide (H2S), Benzene (C6H6), ic (H3AsO4), and Mercury (Hg) pose potential hazards bational health. There are some serious health risks and which could come out of this development. Would like how they plan to mitigate any of the above. See the of contaminants in the LLNL publication in the (assuming > 1.5M gallons of geothermal brine will flowes Health and Environmental Effects Document on - 1981 David W. Layton, Lynn R. Anspaugh, Kerry D. NCE LIVERMORE LABORATORY University of re, Californiahttps://www.osti.gov/servlets/purl/5349877 ashoe County, Coccidioides immitis, a fungus causing nans has been identified there. Ground disturbing with the proposed project may result in dispersal of es. A discussion of this potential health and safety impact, that can prevent or reduce the risk of exposure to ents, should be included in the draft EA.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Wilcox	Rob	_	Public Health and Safety	Electricity generation FERC, on to NERC, Their requirements i housing for security needed for the adjac foreign nationals.
Whipple	Will	-	Public Health and Safety	Will there be odors mitigated to not dist
McPherson	Ann	US EPA Region 9	Public Health and Safety	Geothermal well dril production of potent include hydrogen sul chemicals, and natura EA should address th waste generation, ind development. Identif expected storage, dis federal hazardous was hazardous waste woo often contain elevate moved from site to s the possibility that th why NORM is not ex cannot be ruled out, the likelihood that po and testing could affe such health hazards
Alderson	George	_	Special Designations	We ask BLM to analy values, recreational a public lands affected, Conservation area a Banjo Wilderness.
Netherton	Shaaron	Friends of Nevada Wilderness	Special Designations	In 2008, significant per wilderness integrity, enhance habitat, and Granite Range for W included the Granite at 23,400 acres). The Wilderness Characte formal Wilderness p the Washoe County Legislation is expected

ion facility security is delegated to BLM's fellow agencies C, the Department of Homeland Security, and others. Is increase over time. The requirement for on-site by should be comprehended by a full EIS. That security is acent highway with significant travel by US persons and

rs from the planned plant? How would those odors be isturb local residents, visitors, and wildlife?

rilling and servicing activities may involve the use and entially hazardous materials. Potential health hazards ulfide, silica, noise, diesel particulates, hazardous urally occurring radioactive material (NORM). The draft the potential direct, indirect, and cumulative impacts of including hazardous waste from geothermal project tify the projected waste types and volumes, and disposal, and management. Identify the applicability of waste requirements. Discuss how the generation of vould be minimized. Sludge, drilling mud, and pipe scales ated levels of NORM. Radioactive materials can be site as equipment and materials are reused. Address the drilling and testing may release NORM or explain expected to be present. If the presence of NORM It, explain how it will be handled for the project. Discuss potential health hazards from geothermal exploration ffect workers or the public and include an analysis of within the draft EA.

alyze the impacts of this project against the wilderness I and tourism values, and wildlife habitat values of the ed, including the Black Rock Desert National and the lower eastern slopes of the proposed Granite

public acquisitions in the area greatly enhanced y, minimizing conflicts, and allowing management to nd as a direct result, BLM officially inventoried the Wilderness and found that two units qualified. That the Range unit (42,700 acres and the Buckhorn Peak Unit the project will conflict with the eastern portion of this cter Unit. Additionally, the project will directly impact a proposal submitted to the Nevada delegation as part of ty/Truckee Meadows Public Lands bill process. cted to be introduced in the coming months.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Netherton	Shaaron	Friends of Nevada Wilderness	Special Designations	Black Rock Desert H Conservation Area (E unaltered landscape a historic cultural signif the lower 48 states a encompasses seven C includes a portion of visitors annually. The Route 34, are all with be compelled to trave the BRNCA through and pools. The first v the emigrants coming the NCA are one of i enabling legislation. G will significantly impace
Tanner	Carolyn "Lina"	Burning Man Project	Special Designations	On December 21, 20 Emigrant Trails Natio law. This important p takes into account m economic stability, cu The location of the P concern, as expanded
Reynolds	Margie	—	Special Designations	A spur of the Applega project area as Trails designated in part to infringes on the histo
McPherson	Ann	US EPA Region 9	Native American Religious Concerns	Tribal governments w impacted, either direct invited to consult on accordance with Exect with Indian Tribal Go should be included in concerns identified by
Wilcox	Rob	—	Native American Religious Concerns	The proposed explor concerns and disturba

High Rock Canyon Emigrant Trails National (BRNCA) was created for its sublime solitude, unique e and ecosystem, as well as its rich prehistoric and nificance. It is the largest National Conservation Area in and a crown jewel of public lands in Nevada. The NCA Congressionally designated Wilderness Areas and of an eighth. This NCA attracts tens of thousands of ne primary entrances to the NCA, along the paved State ithin a few miles of the proposed project. Visitors will avel through the Ormat drill pads and facilities to enter the a corridor of pipelines, drill pads and aggregate pits view of the Black Rock Desert will not be the view that ng across the trail experienced. The visual resources of of its most exemplary values and one mentioned in the Geothermal development at the gateway to the NCA bact the experience of both locals and visitors alike. 2000, the Black Rock Desert-High Rock Canyon tional Conservation Area Act of 2000 was signed into piece of legislation was decades in the making, and multiple uses and attributes therein that provide cultural resource preservation, and significant habitat. Project so near to the NCA is one of significant ed upon in the following paragraphs.

egate Trail, the Nobles Trail runs directly through the ils West markers indicate. The adjacent NCA was to preserve and protect the historic trails. This project toric trails.

s whose members or traditional resources may be rectly or indirectly, by the proposed project should be on a government-to-government basis on this effort, in cecutive Order 13175 (Consultation and Coordination Governments). Documentation of these consultations in the draft EA, as should any activities to address by tribal governments.

oration disturbance area does not comprehend tribal rbance of tribal artifacts.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Last Name Dougherty	First Name James	Organization Name Tripoli Central California (Prefecture # 52)	Comment Code Name Solid and Hazardous Waste	Comment Text 2.1.3 Well Drilling an would be conducted digging a hole and 10 sulfate to kill the wel mud additives may be in low concentration regard is given to blo will seep into the gro entire area a hazardo flood hits. Target dep depth) redrilling is br "reserve" pit. No me cleaned up. However approximately 1.5 mi how this will be cont
				gallows will flow! Lor flooding the reserve be stored and area c
Dougherty	James	Tripoli Central California (Prefecture # 52)	Solid and Hazardous Waste	The Culvert constru- trash/water and detr dumpsters would be multiple locations? H
Scott	Matthew		Solid and Hazardous Waste	Ormat states that ha but do not list what to they are not hazardo to evaluate these stat provide BLM with a l within a 25KM radius contamination that w Ormat must have a m financially responsible ground water to its p
McPherson	Ann	US EPA Region 9	Solid and Hazardous Waste	The draft EA should wastewater discharge drilling, or operation, protection measures Describe the expecte disposal of geotherm mud. Consider the fe reserve pits. If reserv would be utilized to impacts on groundwa
Carey	Scott	Nevada State Clearinghouse	Minerals and mineral rights	Compliance with Net
Dougherty	James	Tripoli Central California (Prefecture # 52)	Minerals and mineral rights	2.4 Aggregate 44,996
Evans	Kristy	, / /	Lands and realty/Infrastructure	How can you ensure otherwise cause prob What are the risks?

and Testing Table 3: Footnote 2 - Drilling Operation ed 24hrs/day, 7 days/week Blow-out prevent consists of 10,0000 gallons of water with 12,000 pounds of barium vell. Furthermore it goes on to state that some of the be hazardous substances, but they would only be used ons that would not render the drilling mud toxic. Little low-out and the storage of contaminants and how they roundwater or surrounding areas. This could render the dous waste site, especially if run-off of the 100 year lepths of 1500 ft to 7500 feet (1/4 mile to 1.25 miles briefly covered with all overflow going into the nention for how the contaminated reserve pit will be ver, each short-term well test is expected to flow million gallons of geothermal brine with no regard for ntained, extrapolated, or stored only that 1.5 million ong term testing would be 7-30 days, with east test re pit and no mention, again, of how the material would cleaned up.

ruction alone would be an ecological disaster, with etritus clean-up not even being discussed. How many be required for a crew of 10 drilling 24x7 days a week at How will waste be removed from each site?

hazardous chemicals are included in their drilling mud t those chemicals are, only giving a brief statement that dous at the concentrations used. Since there is no way tatements based on the information given, Ormat must a list of all chemicals used and test all well sites monthly us monthly to ensure there is no groundwater will affect humans, livestock or wildlife in the area. a mitigation plan and If contamination is found, be held ble or any and all mitigation required to return the s pre-drilling state.

Id also address the potential effects of project rges. If hazardous materials are used during construction, on, document appropriate spill control and source water es to prevent soil and groundwater contamination. cted methods, including the use of reserve pits, for the rmal fluids, produced waters, drill cuttings, and drilling e feasibility of using closed-loop systems instead of erve pits are used, discuss whether synthetic liners o prevent leaching. Describe the potential environmental water, surface water, springs, or wetlands. Nevada Department of Minerals for Geothermal Projects

76 yards Seems to be a lot less than is required. The the Project will in no way damage, disrupt, or oblems for Gerlach's water and sanitary sewer systems?

oblems for Gerlach's water and sanitary sewer systems? ?

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Fiumara	Cedi	—	Lands and realty/Infrastructure	Water contamination enough resource acc
				to worry about. I'd ra
Clough	Michael		Lands and realty/Infrastructure	The Bureau of Land
				that incorporates ac
				parcels isolated with
				Consolidation of land
_				monitoring while pro
Ramsey	Kenneth	—	Lands and realty/Infrastructure	The Bureau of Land
				that incorporates acr
				parcels isolated with
				Consolidation of land
				monitoring while pro
Whipple	Will	—	Lands and realty/Infrastructure	It seems that just the
				and alter an otherwis
				the Black Rock Dese
				would be required for
				leveling, road improv
				simply not addressed
Evans	Kristy	—	Lands and realty/Infrastructure	How can you ensure
				otherwise cause prol
				What are the risks?
Fiumara	Cedi	-	Lands and realty/Infrastructure	Water contamination
				enough resource acc
				to worry about. I'd ra
Clough	Michael	-	Lands and realty/Infrastructure	The Bureau of Land I
				that incorporates acr
				parcels isolated with
				Consolidation of land
				monitoring while pro
Ramsey	Kenneth	—	Lands and realty/Infrastructure	The Bureau of Land
				that incorporates acr
				parcels isolated with
				Consolidation of land
				monitoring while pro
Whipple	Will		Lands and realty/Infrastructure	It seems that just the
				and alter an otherwis
				the Black Rock Dese
				would be required fo
				leveling, road improv
				simply not addressed

ion is another very undesirable possibility. We have ccess problems. Clean water is one thing we don't have I rather that not change.

d Management should analyze and choose an alternative acre for acre public/private land swaps to eliminate thin private tracts, which are currently prone to abuse. Indownership allows consistent management and providing greater public access.

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he exploration phase of this project will severely disturb wise beautiful and peaceful area immediately adjacent to sert Conservation Area. The interconnecting piping that for the plant and wells would require far more grading, ovements, etc that would affect the area and this is ed in this proposal.

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Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Dougherty	James	Tripoli Central California (Prefecture # 52)	Transportation	2.2 Site Access The p
				add very long traffic
				traffic thoroughfare
				"big-rigs" would caus
				only recently repave
				machinery transport
				should be avoided at
				disturbance required
				acres (11,959 feet x
				and sleeping quarter
Cooper	Dave	_	Transportation	Increased traffic of h
			•	particularly County F
				increased deteriorat
				assist in the mainten
				least provide data an
				Department to deter
				Department's mainte
				transportation needs
Dougherty	James	Tripoli Central California (Prefecture # 52)	Transportation	Section 2.3 outlines
			cause for alarm as th	
				transport vehicles in
				going to pay for the
				usage? We're talking
				more sites. A typical
				approximately 5.5 fe
				deep end at 8 feet. A
				amount of 13,500 ga
				2.5 swimming pools
				447 Hwy. A load Kin
				standard truck about
				envision at least Four
				to well sites on High
				day. Water weighs 8
				water which needs to
				unnecessary wear an
				degrade the highway
				road! Will the roads
				delays from Gerlach.
				presents a hazard for
				needs to be made fo
				sized pool of water e
_				causing an ecological
Evans	Kristy	—	Transportation	Transportation Analy
				447 could lead to an
				and consultation with
				determine if the road
				schedule are adequat

proposed work off of 447 would create a hazard and c delays to an area which is not designed for major or machinery transport. Even using tractor trailers or use considerable damage to the Hwy 447 which was red after decades of misuse. The increase in traffic and rt alone is an unnecessary environmental disaster which at all costs. The total estimated area of surface ed for improvements to existing access roads of 2.7 x 10 feet) is grossly under-estimated as the machinery ers and facilities would far exceed this space. heavy vehicles and traffic on State Route 447 and Road 34 with a substandard surface, will lead to an tion of the road surface. Ormat should be required to nance or even upgrading of these routes and at the very and consult with the Washoe County Roads ermine if the roadway rating and the Roads tenance schedule are adequate for the specific ds of the Project.

the water needs of 35,000 gallons/day. This in itself is the shipping requirements would require multiple in route, every day to satisfy these requirements. Who is e new highway to compensate for this unnecessary ng about shipping 35,000 gallons of water daily to one or al pool size is 15 feet by 30 feet. The standard depth is feet, with a standard shallow end coming in at 3 feet and A pool with these dimensions would yield an average allons of water. This is a discussion about transporting of water with potable water trucks daily out on the ing 4000 Gallon water truck is the high end and a ut 2500 gallons of water for an average truck. So we urteen (14) 2500 gallon water trucks every day driving ghway 447 or Nine (9) 4000 Gallon water trucks every 8.3lbs/gallon so that is 146 tons (35000 gallons) of to be transported on Hwy 35/447 every day. This and tear on the highways needs to be paid for as it will ay and its service to an area which has only one access ds be repaired for any damage? There will be long traffic ch. Having this many water trucks out in this area for traffic and damage to the roadways. Some mitigation for this excessive usage. We're transporting an Olympic every week with trucks, the increase in traffic alone is al impact.

alysis. Increased traffic of heavy vehicles on State Route an increased deterioration of the road surface. Analysis with Washoe County Roads Department is needed to badway rating and the Roads Department's maintenance uate for the transportation needs of this project.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Tanner	Carolyn "Lina"	Burning Man Project	Transportation	Burning Man Project
				from increased traffic
				through our own EIS
				Route 447 could lead
				Thus, Ormat should
				Washoe County Roa
				the Roads Departme
				specific transportation
Wilcox	Rob	_	Transportation	The drilling area is a
				have a major impact
				widen 34 and 447 th
				3 lanes from the Y to
				back much further fr
Clough	Michael	—	Public access	Please maintain acces
				would be affected by
Dougherty	James	Tripoli Central California (Prefecture # 52)	Public access	2.2 Site Access The p
				add very long traffic
				traffic thoroughfare of
				"big-rigs" would caus
				only recently repave
				machinery transport
				should be avoided at
				disturbance required
				acres (11,959 feet x
				and sleeping quarters
Griffin	Simone	BlueRibbon Coalition	Public access	BRC supports the pr
				use to the public. Su
				Rock, which are pop
				access trails for recr
				project proposal nee
				motorized use comm
				to be completed so t
				area has a high recre
				and any project prop
				restrict access to use
Griffin	Simone	BlueRibbon Coalition	Public access	Many of our member
				this area. A significan
				like ours and the fun
				from these organized
				as an integral expres
				and freedom of asser
				protected by the Firs
				and organizations. Th
				possible future perm

ct is well aware of the potential impacts on local roads ffic, as we perform detailed traffic analyses for BLM EIS process. Increased traffic of heavy vehicles on State ead to an increased deterioration of the road surface. Id be required to provide data and consult with the oads Department to determine if the roadway rating and ment's maintenance schedule are adequate for the tion needs of the Project.

adjacent to the Nevada 447 and 34 roadways, and will ct on traffic, roadwear, and the option in the future to through Gerlach for safety reasons. 34 should be at least to the 12 Mile entrance. The drilling areas should be set from the NV highway right of way.

ess to and on all motorized routes and in all areas that by this project.

e proposed work off of 447 would create a hazard and ic delays to an area which is not designed for major e or machinery transport. Even using tractor trailers or use considerable damage to the Hwy 447 which was wed after decades of misuse. The increase in traffic and ort alone is an unnecessary environmental disaster which at all costs. The total estimated area of surface ed for improvements to existing access roads of 2.7 x 10 feet) is grossly under-estimated as the machinery ers and facilities would far exceed this space.

proposed plan as long as it does not restrict access and Surrounding the proposed area are Gerlach and Godey's opular recreation areas. This area is commonly used to creation purposes. Off-roading is popular and any eeds to account for the effects to the recreation and munity. A thorough inventory of all current trails needs to that the BLM is working with an accurate baseline. This reation value for locals in the surrounding community oposed should be developed in a way that does not users.

bers hold organized events that include organized rides in ant portion of the education mission of organizations undraising that supports organizations like ours comes ted events, and we see the continuation of these events ession of protected rights including freedom of speech sembly. We believe these events such as these are first Amendment and believe they are crucial to clubs This project should not affect any organized events or mits.

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Wittek	Stacey	Friends of Black Rock High Rock	Public access	Guru Road/Dooby L
				to the time of his de
				engravings and monu
				Gerlach and parallel
				loving and humorou
				decades locals and v
				trash, and restored
				walked the road as a
				project plan bounda
				feet from a propose
				right of way of Guru
				beauty and integrity
				to the public.
Clough	Michael	—	Public access	Please maintain acce
				would be affected by
Clough	Michael	—	Public access	Please maintain acce
				would be affected by
Ramsey	Kenneth		Public access	Please maintain acce
				would be affected by
Reynolds	Margie	-	Public access	This road is one of t
				pavement exploration
				vehicle. This is a prir
				- to get out and enjo
Evans	Kristy		Livestock Grazing	How would this proj
				in the area?
Wittek	Stacey	Friends of Black Rock High Rock	Request Documents or Info	We believe, as other
				should provide the f
				water level, geochen
				for springs and sprin
				adjacent private pro
				public access to histo
				the project A deta
				the consideration of
				mitigate A thoroug
				the economic impac
				regarding housing, jo
				plan for mitigating th
				on migratory and re
				contamination Pre
				with energy outputs
				analysis to assess the
				and heavy equipmen
				Washoe County Roa
Whipple	Will		Request Documents or Info	What customers wo
				the planned plant an
Wilson	David		Request Documents or Info	Are they going to be
				What will be done to
				pit be located?

A Lane, an intentional art and community site. From 1970 death in 1995 DeWayne Williams built over 450 rock numents on a long stretch of road just one mile from el to State Route 34. Nicknamed Dooby Lane, it is a bus testament to the community of Gerlach. For two volunteers have restored the inscriptions, removed d work. Thousands of visitors to the BRNCA have is a significant cultural site. Guru Road is in the Ormat dary and the southern end of Guru Road is less than 700 sed well pad. Though Ormat is required to honor the ru Rd on public lands it is impossible to believe that the cy of the site will remain. Or that it will remain accessible

cess to and on all motorized routes and in all areas that by this project.

cess to and on all motorized routes and in all areas that by this project.

cess to and on all motorized routes and in all areas that by this project.

f the few places one can go during winter months for offtion without getting mired in the mud - on foot or in a rimary local access road - an extension of the community joy any time of year, even during inclement conditions. roject affect livestock such as cattle and sheep that graze

er concerned stakeholders have expressed, that Ormat following data: - Adequate pre-drilling water/heat flow, emistry and other baseline condition data and records ing habitat, wetlands, and wells of public lands and operty. - A detailed plan for maintaining and preserving storical markers and cultural sites within and adjacent to tailed study of the light and noise pollution (even with of portable rock mufflers) of the project and a plan to ugh archaeological survey of resources. - A report on acts on the town of Gerlach to include concerns jobs, and impact to tourism and recreation. - A detailed the impact to important wildlife habitat and the effects resident birds. - A mitigation plan for groundwater repare a Net Energy Analysis comparing the energy input ts to determine project viability. - Transportation he potential impacts on local roads from increased use ent. Ormat should provide data and consult with oads Department and NDOT.

vould be served by this future power plant? How large is and where is it to be located?

be held to the same cleanup standards as Burningman? to mitigate damage to route 34? Where will the gravel

Last Name	First Name	Organization Name	Comment Code Name	Comment Text
Williams	Scott	-	Request Documents or Info	Night skies are a maj Draft report is under available to the public
Netherton	Shaaron	Friends of Nevada Wilderness	Request Documents or Info	Ormat's Gerlach Geo impactful issues that is stakeholders have ex data: · A plan for darl astrotourism. · Adeq geochemistry and oth spring habitat, wetlan property. · A detailed historical markers and detailed study of the portable rock muffler archaeological survey the town of Gerlach impact to tourism and impact to important of resident birds. · A mi Prepare a Net Energy outputs to determine the potential impacts equipment. Ormat sh

ajor issue. I noticed that a Night Sky Baseline Report ler review by the BLM. Please also make this information blic.

Seothermal Exploration Project raises significant and t must be addressed. We believe, as other concerned expressed, that Ormat should provide the following ark sky compliant lighting that will prevent impacts on equate pre-drilling water/heat flow, water level, other baseline condition data and records for springs and ands, and wells of public lands and adjacent private led plan for maintaining and preserving public access to and cultural sites within and adjacent to the project. $\cdot A$ ne noise pollution (even with the consideration of lers) of the project and a plan to mitigate. \cdot A thorough ey of resources. $\cdot A$ report on the economic impacts on h to include concerns regarding housing, jobs, and and recreation. • A detailed plan for mitigating the nt wildlife habitat and the effects on migratory and mitigation plan for groundwater contamination. gy Analysis comparing the energy input with energy ne project viability. · Transportation analysis to assess ts on local roads from increased use and heavy should provide data and consult with Washoe County

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