

4. Irreversible and Irretrievable Commitments of Resources

This section describes the irreversible and irretrievable commitments of resources associated with implementing the Proposed Action. A summary of the irreversible and irretrievable commitments of resources is provided in **Table 4.0-1**. The following are the key values for quantifying surface disturbance effects, and long-term commitment of land to industrial uses.

12,303 Acres. The estimated total surface disturbance from construction and operation of all ROW facilities included in the Tier 1 NEPA analysis for mainline pipelines, transmission lines, access roads, and above-ground project facilities. This total surface disturbance area applies to effects on individual resources (soils, vegetation, wildlife habitat, and visual resources).

1,014 Acres. The estimated total area of land committed to permanent aboveground facility uses. It is assumed that all other disturbed land is revegetated, and is available for prior uses (wildlife habitat, grazing).

Surface disturbance associated with Alternatives A through C would be the same as the Proposed Action. Disturbance resulting from Alternatives D and E are provided in the impact summary for ROWs (**Table 2.10-1**). Future land requirements and resource effects for groundwater development facilities (wells, gathering pipelines, access roads, and electrical distribution lines) were not estimated because they are not accurately known for this Tier 1 NEPA analysis. A general assessment of the effects of future groundwater pumping on resources is provided where applicable.

A commitment of resources is irreversible when the effects of proposed activities result in limiting the future options for resource development or management. An irretrievable commitment refers to the lost production or use of a resource that would cause the resource to be unavailable for use by future generations. Examples include the permanent extraction or alteration of nonrenewable resources, such as minerals and cultural resources, and changes to renewable resources that would then become unavailable for use by future generations.

Constructing, operating and maintaining the Proposed Action would require committing land, soil, and vegetation to place permanent facilities including pipelines, wells, access roads, structures, and power lines. While it is possible that the natural landscape could be restored after these components are removed, it is unlikely in the foreseeable future. Therefore, these structures would constitute an irretrievable commitment of land.

Table 4.0-1 Summary of Irreversible and Irrecoverable Commitments of Resources

Resource	Explanation
Air and Atmospheric Values	<p>Surface Disturbance. Project facility construction equipment emissions would not exceed federal or state air quality standards. Local air quality would return to existing conditions after completion of project construction.</p> <p>Groundwater Pumping. There is a risk that there would be a long-term increase in fugitive dust from pumping basins where pumping drawdown may result in a decrease in vegetation cover and density. These potential air quality changes may limit future options for resource development. There would be no change in the availability of atmospheric air for use by future generations.</p>
Geology	<p>Surface Disturbance. Project facility construction would not cause irreversible or irretrievable effects on geological resources. Surface disturbance activities could alter paleontological resources and result in irreversible or irretrievable effects.</p> <p>Groundwater Pumping. Subsidence induced by future groundwater pumping is estimated to exceed 5 feet over an area of 76 to 781 square miles at full build out through full build out plus 200 years. This subsidence would be considered both irretrievable and irreversible.</p>
Water Resources	<p>Surface Disturbance. Project facility construction would not result in irreversible or irretrievable effects on surface water resources.</p> <p>Groundwater Pumping. Long-term flow reductions or drying of perennial springs and streams would limit future options for these surface water resources and therefore would be considered an irreversible impact. The permanent extraction of groundwater in storage within the aquifers (as evidenced by the formation of regionally extensive drawdown cones) is considered an irretrievable commitment of water resources.</p>
Soils	<p>Surface Disturbance. There would be a loss of soil productivity due to alteration and mixing of the soil horizons during construction on approximately 12,303 acres, resulting in an irretrievable commitment of this resource. There would also be an irreversible and irretrievable commitment of the resource on approximately 1,014 acres involving permanent structures, roads, and facilities that would not be reclaimed.</p> <p>Groundwater Pumping. Groundwater drawdown would reduce the source of water that sustains hydric soils on a long-term basis, which is an irreversible and potential irretrievable commitment of soil resources.</p>
Vegetation	<p>Surface Disturbance. Project facility construction would result in irretrievable effects on 12,303 acres of vegetation because vegetation would be removed, and would be restored over long time periods. There would be an irretrievable commitment of resources on approximately 1,014 acres involving permanent structures, roads, and facilities that would not be reclaimed.</p> <p>Groundwater Pumping. The long-term reductions or compositional change in wetland/wet meadow and phreatophytic shrub/medium vegetation cover types, and vegetation associated with springs and streams would be irretrievable within the modeled pumping time frames. Whether these changes in vegetation communities are irreversible would depend on whether these communities would be so altered that they could never return to their former composition, if groundwater levels are restored. Because of the very long time frames, and potential vegetation community changes over large geographic areas, the effects are considered irreversible within any reasonable time frame (likely more than 500 years).</p>
Terrestrial Wildlife	<p>Surface Disturbance. There would be an irretrievable reduction in wildlife habitat of approximately 12,303 acres as the result of construction surface disturbance. Of this total, there would be an irretrievable commitment of approximately 1,014 acres of wildlife habitat associated with permanent structures, and roads.</p> <p>Groundwater Pumping. The loss of perennial surface water for wildlife would be an irreversible commitment of resources. The loss or long-term reduction or degraded quality of wetland and phreatophytic shrub vegetation would be an irretrievable commitment of resources. This reduction or adverse change in habitat quality could affect habitat carrying capacity, cover, breeding sites, foraging areas, and animal displacement on a long-term basis.</p>
Aquatic Biological Resources	<p>Surface Disturbance. ROW construction would not result in irreversible or irretrievable effects on aquatic biological resources.</p> <p>Groundwater Pumping. The loss of aquatic habitat and species in perennial springs and streams from groundwater drawdown would be an irreversible and potentially irretrievable impact for aquatic species, if waterbodies dry up or have substantial water level or flow reductions on a long-term basis.</p>

Table 4.0-1 Summary of Irreversible and Irrecoverable Commitments of Resources (Continued)

Resource	Explanation
Minerals	<p>Surface Disturbance. Small quantities of sand and gravel could be used during project construction. This would be an irreversible use of this resource.</p> <p>Groundwater Pumping. There would be no irretrievable or irreversible effects to minerals resources.</p>
Rangelands and Livestock Grazing	<p>Surface Disturbance. There would be an irretrievable loss of approximately 10,544 acres as the result of surface disturbance within BLM grazing allotments. These losses would be slowly reduced as the ROW is restored over the time period required for vegetation recovery. There would be an irretrievable commitment of resources on approximately 814 acres for permanent facilities.</p> <p>Groundwater Pumping. Reductions to flow or quality of springs and perennial streams would be both an irretrievable and potentially an irreversible loss of water sources for livestock.</p>
Wild Horse and Burro Management Areas	<p>Surface Disturbance. Project facility construction would result in an irretrievable loss of approximately 3,015 acres of wild horse forage and cover habitat within two Horse Management Areas. These losses would be slowly reduced as the ROW is restored over the time period required for vegetation recovery. There would also be an irretrievable commitment of 165 acres for permanent structures.</p> <p>Groundwater Pumping. Reductions to flow or quality of springs and perennial streams would be both an irretrievable and potentially an irreversible loss of water sources for wild horses.</p>
Land Use	<p>Surface Disturbance. Project facility construction would result in an irretrievable loss of approximately 1,014 acres of land due to the permanent use of land for structures, roads, and ancillary facilities that would not be reclaimed.</p> <p>Groundwater Pumping. Future groundwater drawdown would result in groundwater level reductions that could adversely affect surface water and vegetation on public lands available for disposal and private agricultural lands. These effects would be irreversible and potentially irretrievable impacts.</p>
Special Designations	<p>Surface Disturbance. There would be an irretrievable loss of vegetation and wildlife habitat in up to seven special designations due to construction and maintenance of permanent structures.</p> <p>Groundwater Pumping. The long-term reductions or compositional change in wetland/wet meadow and phreatophytic shrubland vegetation cover types, and vegetation associated with springs and streams would be irretrievable within the modeled pumping time frames (see Vegetation). Long-term flow reductions or drying of perennial springs and streams would limit future options for these surface water resources and therefore would be considered an irreversible impact.</p>
Recreation	<p>Surface Disturbance. Project facility construction would result in an irretrievable loss of approximately 2,448 acres of native vegetation acres within designated recreation areas. There would be an irretrievable commitment of resources on approximately 257 acres involving permanent structures, roads, and facilities that would not be reclaimed.</p> <p>Groundwater Pumping. The long-term reductions or compositional change in wetland/wet meadow and phreatophytic shrubland vegetation cover types, and vegetation associated with springs and streams would be irretrievable within the modeled pumping time frames (see Vegetation). Long-term flow reductions or drying of perennial springs and streams would limit future options for these surface water resources and therefore would be considered an irreversible impact.</p>
Transportation	<p>Surface Disturbance. There would be no irretrievable or irreversible changes in the transportation infrastructure and capacity.</p> <p>Groundwater Pumping. There would be no irretrievable or irreversible changes in the transportation infrastructure and capacity.</p>
Visual Resources	<p>Surface Disturbance. Removal of 12,303 acres of vegetation would result in irretrievable visual resources effects (increase in contrasts in color, line, and form within the landscape). These contrasts would be reduced through successful reclamation procedures. Irretrievable landscape changes would result from installation of aboveground structures that may be viewed from areas of high public use, such as scenic by-ways (portions of U.S. 93 and U.S. 50).</p> <p>Groundwater Pumping. Future groundwater drawdown would gradually alter landscape views in areas where wetland, wet meadow, and basin shrubland vegetation composition and structure are changed on a long-term basis. These changes would be irretrievable and may be irreversible, if water sources are not replaced.</p>

Table 4.0-1 Summary of Irreversible and Irrecoverable Commitments of Resources (Continued)

Resource	Explanation
Cultural Resources	<p>Surface Disturbance. NRHP-eligible sites that may be disturbed by construction activities would be mitigated in accordance with the Programmatic Agreement. Sites from which artifacts are excavated and removed represent an irreversible impact to cultural resources.</p> <p>Groundwater Pumping. No irreversible or irretrievable effects to cultural resources are anticipated.</p>
Native American Traditional Values	<p>Surface Disturbance. Construction disturbance to Native American traditional use sites would be irretrievable, until mitigated in accordance with the Programmatic Agreement.</p> <p>Groundwater Pumping. The spiritual and religious experience may be diminished in areas where surface water, vegetation, wildlife or fish resources are affected by future drawdown. This diminishment may be both irretrievable and irreversible, depending on extent of surface water or vegetation resource changes (see Water Resources, Vegetation, Wildlife, and Aquatic Biological Resource sections).</p>
Socioeconomics	<p>Surface Disturbance The economic benefits to nearby communities of construction payrolls and spending would not be irreversible or irretrievable.</p> <p>Groundwater Pumping. Groundwater pumping that reduces groundwater levels over the long term (50 to 200 years) would increase irrigation pumping costs (electricity). These additional costs are considered to be both irreversible and irretrievable because of the long time frames, and the uncertainty that groundwater levels would recover to former elevations if pumping were ceased.</p>
Environmental Justice	<p>Surface Disturbance. Proposed project facility construction would not disproportionately affect minority or low-income populations, and therefore no irretrievable or irreversible effects are anticipated.</p> <p>Groundwater Pumping. Based on available information, groundwater pumping would not affect minority or low income population water rights, and therefore no irretrievable or irreversible effects are anticipated.</p>
	<p>Surface Disturbance.</p> <ul style="list-style-type: none"> • Transport and use of hazardous materials is neither irretrievable or irreversible. If a hazardous material spill were to affect a sensitive resource, an irretrievable impact could occur pending the recovery of the affected resource. • Project facility construction would result in short-term increases in noise in a rural area, and would then cease. Exposure to short term noise is neither irretrievable, nor irreversible. <p>Groundwater Pumping.</p> <ul style="list-style-type: none"> • Transport and use of hazardous materials is neither irretrievable or irreversible. If a hazardous material spill were to affect a sensitive resource, an irretrievable impact could occur pending the recovery of the affected resource. • Project facility operations would result in long-term controlled noise in a rural area. Assuming that noise levels are maintained below commonly-cited regulatory thresholds, operational noise would not cause irretrievable or irreversible effects.

Development and operation of the GWD Project would require the commitment of natural, human, engineered and monetary resources. Most of the non-monetary resource investments would be irretrievable and their use, may preclude or foreclose other opportunities. Meeting the demands for goods and services indirectly associated with the project, would also be irreversible, although some reuse may occur.

5. Consultation and Coordination

5.1 Introduction

This chapter provides a summary of the opportunities that have been made available for public involvement, including government, and non-governmental agencies or organization on the GWD project.

A flow chart of a typical NEPA process for creation of an EIS is shown in the figure in the sidebar. Places in the process where public involvement typically occurs are identified on the graphic (as colored boxes).

The public participation program for the Clark, Lincoln, and White Pine counties Groundwater Development Project helped to determine the scope of issues to be addressed in the EIS. Further discussion of issues brought forward in scoping is provided in Section 5.2.

Initially, mailing lists were requested from agencies and other entities with projects or interests in the area and a postcard was sent to determine if the recipient had an interest in remaining on the mailing list for this project. The initial mailing was sent to approximately 2,000 addresses. Subsequent mailings included those who expressed an interest and others who requested that their name be added to the mailing list. Addresses were removed if a submission was returned as undeliverable. When returned with an address update, the new information was added to the database for subsequent mailings.

5.2 Scoping

The BLM initiated the scoping process by publishing a Notice of Intent (NOI) to prepare an EIS in the Federal Register (FR) on April 8, 2005. Public meetings were held in the communities and on the dates included in **Table 5.2-1**. A second NOI was published on July 19, 2006, notifying the public and interested government agencies of changes to the proposed project. This second NOI also invited the public to comment on the project and project changes by reopening the scoping period. All comments (written and oral) were summarized for inclusion in the Scoping Summary Report and issues were distilled for use in writing the EIS. The analysis of the pertinent issues will provide the BLM decision makers with appropriate information to make a determination of whether the ROW should be granted.

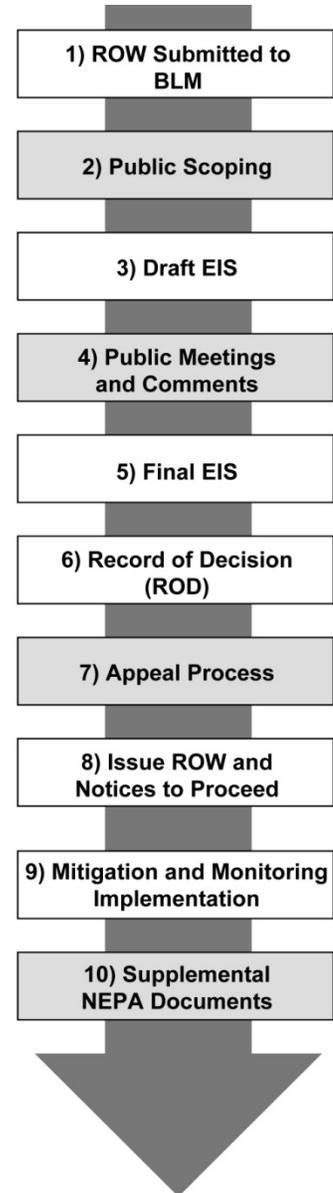


Table 5.2-1 Summary of Public Scoping Meetings

Meeting Location	Dates	Signed-in Participants	Speakers
Bristlecone Convention Center, Ely, Nevada	Tuesday, April 26, 2005	131	30
Baker School Gymnasium, Baker Nevada	Wednesday, April 27, 2005	138	49
Caliente Youth Center, Caliente, Nevada	Thursday, April 28, 2005	30	8
Ambulance Barn, Alamo, Nevada	Tuesday, May 3, 2005	14	5
Alexis Park, Las Vegas, Nevada	Wednesday, May 4, 2005	112	29
Airport Plaza, Reno, Nevada	Thursday, May 5, 2005	70	24
Plaza Hotel, Salt Lake City, Utah	Monday, May 9, 2005	60	20
Crystal Inn Hotel, Cedar City, Utah	Tuesday, May 10, 2005	39	9
Fair Building, Delta, Utah	Wednesday, May 11, 2005	63	36

5.3 Public Outreach

The BLM has initiated extensive interaction with the public following the publishing of the Notice of Intent (NOI) in the Federal Register on April 5, 2005. Summaries of the interaction with Cooperating Agencies, Technical Task Groups, and Tribal entities are presented in Sections 5.3-1 through 5.3-3. In addition to those specific collaborations, the BLM has conducted extensive outreach and has actively pursued opportunities to inform the public of the status of the project, respond to questions and concerns, and provided a forum for public input. A Public Participation Matrix has been compiled to document the breadth of interaction with the public. The matrix is presented in Appendix G.

5.3.1 Cooperating Agencies

In the early stages of the project, the BLM sent out 30 letters inviting the participation of federal and state agencies, local governments, and other organizations as official cooperating agencies. According to 40 CFR 1501.6, cooperating agencies have a four-part role in the EIS process: 1) participate in the NEPA process at the earliest available time period; 2) participate in scoping; 3) at the lead agency’s request, assume responsibility for developing information and preparing environmental analyses for areas in which the cooperating agency has special expertise, and 4) at the lead agency’s request, make staff available to support the EIS process. A Memorandum of Understanding (MOU) was created to establish guidelines for the parties that desired to become formal cooperating agencies. Sixteen agencies, governments, and other organizations have formalized their participation as a cooperating agency by signing MOUs (see Section 6.3).

A cooperating agency can be a federal, state, local or tribal government with jurisdiction by law or special expertise with respect to environmental impacts.

5.3.2 Tribal Interaction

Interaction with the Tribes in the area also has been a top priority and the BLM has met numerous times with tribal governments, individual tribal members and tribal groups. Government-to-government interaction is ongoing through the Section 106 process. In addition, an Ethnographic Assessment has been completed to document specific tribal concerns and identify geographic areas that the tribes believe should be protected to preserve their unique historic and cultural values, see Section 3.17, Native American Traditional Values.

5.3.3 Technical Work Groups

Technical work groups were established early in the EIS process to help to solicit input on important, far-reaching topics including natural resources, hydrology, and socioeconomics. The work groups met on a regular basis and provided specialized knowledge on the topic of interest. In the case of the Natural Resources Group, a technical report was completed to characterize the species and habitat in the area of interest. The hydrology technical task team met frequently as the model was being developed and their input provided a framework for the model’s structure and its analytical results. Outside experts from academia and the USGS also were involved. A hydrology baseline report was produced and

distributed for review. Additional details on the work group process are provided in Sections 3.4, Water Resources; 3.5, Vegetation; and 3.18, Socioeconomics.

5.4 Mailings

5.4.1 Postcards

Postcards were mailed to over 8,000 entities to inquire if they wanted to continue to receive project information. Those who returned the postcard and indicated that they wanted to continue to receive information were retained on the project mailing list.

5.4.2 Newsletters

To date, six newsletters have been mailed to the addresses on the project mailing list. The newsletters are available at www.blm.gov/5w5c. The newsletters were developed to inform and educate interested parties about project elements, government and agency responsibilities, the NEPA process, and other topics of interest. Project progress and a schedule of key deliverables also were communicated.

5.5 List of Involved Agencies, Entities, or Individuals

5.5.1 Federal Agencies

- National Park Service (NPS)
- Bureau of Indian Affairs (BIA)
- Bureau of Reclamation (BOR)
- Nellis Air Force Base
- U.S. Forest Service (USFS)
- U.S. Fish and Wildlife Service (USFWS)
- U.S. Army Corps of Engineers (USACE)
- U.S. Environmental Protection Agency (USEPA)
- Federal Highway Administration (FHA)
- U.S. Geological Survey (USGS)

5.5.2 State Agencies

- Nevada Division of Environmental Protection (NDEP), Bureau of Water Pollution Control
- NDEP, Bureau of Safe Drinking Water
- Nevada Department of Transportation (NDOT)
- Nevada Department of Water Resources (NDWR)
- Nevada Department of Wildlife (NDOW)
- Nevada Division of Forestry
- Nevada Department of Cultural Affairs, State Historic Preservation Office (SHPO)
- Public Utility Commission of Nevada
- Utah Geological Survey
- Utah Division of Wildlife Resources
- Utah Division of Water Rights
- Utah Division of Air Quality
- Utah Department of Natural Resources
- State of Utah, Governor's Office

5.5.3 Local Agencies

- Clark County, NV
- Lincoln County, NV
- White Pine County, NV
- Tooele County, UT
- Juab County, UT
- Millard County, UT
- Central Nevada Regional Water Authority
- Utah Association of Counties

5.5.4 Tribal Organizations

- Confederated Tribes of Goshute Reservation
- Duck Valley Shoshone-Paiute Tribe
- Duckwater Shoshone Tribe
- Ely Shoshone Tribe
- Te-Moak Tribe
 - Battle Mountain Band
 - Elko Band
 - South Fork Band
 - Wells Band
- Timbisha Shoshone Tribe
- Yomba Shoshone Tribe
- Chemehuevi Indian Tribe
- Colorado River Indian Tribes
- Fort Mojave Indian Tribe
- Hualapai Tribe
- Kaibab Paiute Tribe
- Las Vegas Paiute Tribe
- Moapa Band of Paiutes
- Pahrump Paiute Tribe
- Paiute Indian Tribe of Utah
 - Cedar Band of Paiute Indians
 - Indian Peaks Band of Paiute Indians
 - Kanosh Band of Paiute Indians
 - Koosharem Band of Paiute Indians
 - Shivwits Band of Paiute Indians

5.5.5 Other Organizations and Individuals

Approximately 1,350 other involved organizations and individuals are contacted periodically through the mailing of newsletters and other correspondence. The mailing list is updated on an ongoing basis and is a component of the project administrative record.

5.6 List of Agencies, Organizations, and Individuals to Whom Copies of this Statement are Sent

Federal and State Officials

Utah Governor – Herbert, Gary R
 Nevada Lt. Governor – Krolicki, Brian
 U.S. Senator – Hatch, Orrin
 U.S. Senator – Heller, Dean
 U.S. Senator – Lee, Mike
 U.S. Senator – Reid, Harry
 U.S. Congresswoman – Berkley, Shelley
 U.S. Congressman – Bishop, Rob
 U.S. Congressman – Chaffetz, Jason
 U.S. Congressman – Heck, Joe
 U.S. Congressman – Matheson, Jim
 Nevada Assemblyman – Aizley, Paul
 Nevada Assemblyman – Anderson, Elliot
 Nevada Assemblyman – Atkinson, Kelvin
 Nevada Assemblywoman – Benitez-Thompson, Teresa
 Nevada Assemblyman – Brooks, Steven
 Nevada Assemblywoman – Bustamante Adams, Irene
 Nevada Assemblywoman – Carlton, Maggie
 Nevada Assemblyman – Carrillo, Richard
 Nevada Assemblyman – Conklin, Marcus
 Nevada Assemblyman – Daly, Richard "Skip"
 Nevada Assemblywoman – Diaz, Olivia
 Nevada Assemblywoman – Dondero Loop, Marilyn
 Nevada Assemblyman – Ellison, John
 Nevada Assemblywoman – Flores, Lucy
 Nevada Assemblyman – Frierson, Jason
 Nevada Assemblyman – Goedhart, Ed
 Nevada Assemblyman – Goicoechea, Peter
 Nevada Assemblyman – Hambrick, John
 Nevada Assemblyman – Hardy, Cresent
 Nevada Assemblyman – Hogan, Joseph
 Nevada Assemblyman – Horne, William
 Nevada Assemblywoman – Kirkpatrick, Marilyn
 Nevada Assemblywoman – Mastroluca, April
 Nevada Assemblyman – Mcarthur, Richard
 Nevada Assemblyman – Munford, Harvey
 Nevada Assemblyman – Neal, Dina
 Nevada Assemblyman – Oceguera, John
 Nevada Assemblyman – Ohrenschall, James
 Nevada Assemblywoman – Pierce, Peggy
 Nevada Assemblyman – Segerblom, Tick
 Nevada Assemblyman – Sherwood, Mark
 Nevada Assemblyman – Stewart, Lynn
 Nevada Assemblywoman – Woodbury, Melissa
 Nevada Senator – Breedon, Shirley
 Nevada Senator – Cegavske, Barbra
 Nevada Senator – Copening, Allison
 Nevada Senator – Denis, Mo
 Nevada Senator – Gustavson, Don
 Nevada Senator – Halseth, Elizabeth
 Nevada Senator – Hardy M.D., Joseph (Joe)
 Nevada Senator – Horsford, Steven
 Nevada Senator – Kihuen, Ruben
 Nevada Senator – Lee, John
 Nevada Senator – Manendo, Mark
 Nevada Senator – Mcginness, Mike
 Nevada Senator – Parks, David R
 Nevada Senator – Rhoads, Dean
 Nevada Senator – Schneider, Mike
 Nevada Senator – Wiener, Valerie
 Utah Representative – Duckworth, Susan
 Utah Representative – Noel, Michael
 Utah Representative – Rudd Menlove, Ronda
 Utah Representative – Sagers, Douglas
 Utah Representative – Sumsion, Kenneth
 Utah Representative – Vickers, Evan
 Utah Representative – Wright, Bill
 Utah Senator – Knudson, Peter
 Utah Senator – Madsen, Mark B
 Utah Senator – Mayne, Karen
 Utah Senator – Okerlund, Ralph
 Utah Senator – Robles, Luz
 Utah Senator – Thatcher, Daniel W
 Utah Senator – Urquhart, Stephen
 Utah Senator – Waddoups, Michael

Federal Agencies

Bureau of Indian Affairs, Phoenix, AZ
 Bureau of Indian Affairs, St George, UT
 Bureau of Indian Affairs, Elko, NV
 Bureau of Land Management, Washington, DC
 Bureau of Land Management, Cedar City, UT
 Bureau of Land Management, Richfield, UT
 Bureau of Land Management, Fillmore, UT
 Bureau of Land Management, Salt Lake City, UT
 Bureau of Land Management, Caliente, NV
 Bureau of Land Management, Ely, NV
 Bureau of Land Management, Las Vegas, NV
 Bureau of Land Management, Lakewood, CO
 Bureau of Land Management, Battle Mountain, NV
 Bureau of Land Management, Elko, NV
 Bureau of Land Management, Reno, NV
 Bureau of Land Management, Kanab, UT
 Bureau of Land Management, Moab, UT
 Bureau of Land Management, St George, UT
 Bureau of Reclamation, Denver, CO
 Bureau of Reclamation, Carson City, NV
 Bureau of Reclamation, Boulder City, NV
 Department of the Interior, Washington, DC
 U.S. Environmental Protection Agency, Las Vegas, NV
 U.S. Environmental Protection Agency, San Francisco, CA
 U.S. Forest Service, Ely, NV
 U.S. Forest Service, Wells, NV
 U.S. Forest Service, Elko, NV

Nevada State Agencies

Colorado River Commission, Las Vegas
 Cooperative Extension, Logandale
 Department of Prisons, Ely
 Department of Transportation, Carson City
 Department of Wildlife, Reno
 Department of Wildlife, Ely
 Department of Wildlife, Las Vegas
 Department of Wildlife, Ruby Valley
 Development Authority, Las Vegas
 Division of Conservation Districts, Carson City
 Division of Environmental Protection, Carson City
 Division of Forestry, Pioche
 Division of Minerals, Carson City

Utah State Agencies

Division of Water Rights, Salt Lake City
 Division of Wildlife, Salt Lake City
 Division of Wildlife, Cedar City
 Division of Wildlife, St George
 Farm Bureau, Sandy
 Geological Survey, Salt Lake City

U.S. Forest Service, Tonopah, NV
 U.S. Forest Service, Sparks, NV
 U.S. Department of Agriculture, Farm Service Agency, Fallon, NV
 U.S. Department of Agriculture, Farm Service Agency, Reno, NV
 U.S. Fish and Wildlife Service, Amargosa Valley, NV
 U.S. Fish and Wildlife Service, Dugway, UT
 U.S. Fish and Wildlife Service, Las Vegas, NV
 U.S. Fish and Wildlife Service, Reno, NV
 U.S. Fish and Wildlife Service, West Valley City, UT
 U.S. Fish and Wildlife Service, Sacramento, CA
 U.S. Fish and Wildlife Service, Alamo, NV
 U.S. Fish and Wildlife Service, Portland, OR
 U.S. Fish and Wildlife Service, Ruby Valley, NV
 U.S. Fish and Wildlife Service, Denver, CO
 U.S. Geological Survey, Carson City, NV
 U.S. Geological Survey, Henderson, NV
 National Park Service, Baker, NV
 National Park Service, Denver, CO
 National Park Service, Fort Collins, CO
 National Park Service, Boulder City, NV
 Natural Resource Conservation Service, Caliente, NV
 Natural Resource Conservation Service, Minden, NV
 Department of the Air Force, Nellis AFB, NV
 Hawthorne Army Depot, Hawthorne, NV
 U.S. Department of Agriculture, Ely, NV

Division of Minerals, Las Vegas
 Division of State Parks, Logandale
 Division of State Parks, Overton
 Division of State Parks, Panaca
 Division of Water Resources, Carson City
 Farm Bureau, Lund
 Natural Heritage Program, Carson City
 NV Army National Guard, Carson City
 Office of Energy, Carson City
 State Clearinghouse, Carson City
 State Controller, Carson City
 State Historic Preservation Office, Carson City
 State Museum, Carson City

Local Government and Agencies

Alamo Sewer and Water, NV
 Alamo Town Board, NV
 Beaver County Commission, UT
 Central Nevada Regional Water Authority, NV
 Cedar Iron County Water Conservancy District, UT
 Churchill County, County Manager
 Churchill County, Commission
 City of Mesquite, NV
 City of Ely, NV
 City of Henderson, NV
 City of Las Vegas, NV
 Clark County Desert Conservation Program, NV
 Clark County, County Manager, NV
 Clark County Commission, NV
 Clark County Dept of Air Quality and Environmental
 Mgmt, NV
 Clark County Flood Control, Rtc Snv, NV
 Clark County Rural Town Services, NV
 Elko County Commission, NV
 Esmeralda County Commission, NV
 Eureka County Commission, NV
 Hawthorne Utilities, NV
 Henderson Chamber of Commerce, NV
 Humboldt County Commission, NV
 Iron County Commission, UT
 Juab County Commission, UT
 Lander County PLUAC, NV
 Lander County Commission, NV
 Lincoln County Farm Bureau, NV
 Lincoln County Commission, NV
 Lincoln County, NV

Lincoln County Power District No 1, NV
 Lincoln County Wildlife Advisory Board, NV
 Los Angeles Dept of Water, CA
 Mesquite Building & Capital Projects , NV
 Mesquite Planning Dept, NV
 Milford City, UT
 Millard County, UT
 Millard County Attorney, UT
 Millard County Commission, UT
 Millard County Water Conservancy District, UT
 Mineral County Commission, NV
 Mineral County Development Authority, NV
 Nye County Commission, NV
 Nye County Department of Natural Resources, NV
 Parks and Recreation, NV
 Pershing County Commission
 Pershing County Planner
 Public Works Director, NV
 Salt Lake County Council, UT
 Sandy Valley Public Water Preservation Association,
 NV
 Surprise Water Advisory, CA
 Tooele County Commission, UT
 UT Association of Counties, UT
 Utah County, County Commission, UT
 Virgin Valley Water District, NV
 Wells Chamber of Commerce, NV
 Wells Rural Electric Co, NV
 White Pine Co Commission, NV
 White Pine Economic Development, NV
 White Pine Co. Water Advisory Board, NV

Tribal Governments and Organizations

Aha Makav Cultural Society
 Battle Mountain Band - Te-Moak Tribe
 Blackfeet Nation
 Cedar Band of Utah Paiute Indians
 Chemehuevi Indian Tribe
 Colorado River Indian Tribal Museum
 Colorado River Indian Tribes
 Confederated Tribes of the Goshute Reservation
 Crow Tribe - Apsaalooke Nation
 Duck Valley Shoshone Paiute Tribe
 Duckwater Shoshone Tribe
 Eastern Shoshone Tribal Business Council
 Eastern Shoshone Tribe
 Elko Band -- Te-Moak Tribe
 Ely Shoshone Tribe
 Fort Mojave Indian Tribe
 Hualapai Tribal Council
 Indian Peaks Band of Utah Paiute Indians
 Inter-Tribal Council of Nevada
 Kaibab Paiute Tribe
 Kanosh Band of Utah Paiute Indians
 Koosharem Band of Utah Paiute Indians

Las Vegas Paiute Tribe
 Moapa Band of Paiutes
 Northern Arapaho Business Council
 Northern Arapaho Tribe
 Pahrump Paiute Tribe
 Paiute Indian Tribe of Utah
 POW WOW of the Four Winds
 Shivwits Band of Utah Paiute Indians
 Shoshone-Bannock Tribes
 Shundahai Western Shoshone
 South Fork Band - Te-Moak Tribe
 Southern Nevada Paiute Elders Group
 Southern Paiute Consortium
 Te-Moak Tribe
 Timbisha Shoshone Tribe
 Ute Indian Tribe
 Washoe Tribe of Nevada and California
 Wells Band - Te-Moak Tribe
 Western Shoshone National Council
 Winnemucca Indian Colony
 Yomba Shoshone Tribe

Other Organizations and Groups

Associated General Contractors Las Vegas
 Baker Area Citizens Advisory Board
 CA & NV Rockhounds
 Californians for Western Wilderness
 Center for Biological Diversity
 Coalition for Nevada Wildlife
 Coalition of National Park Service Retirees
 Colorado River Basin Salinity Control Forum
 Culinary Workers Union Local 226
 Desert Law and Water Science Forum
 DIA Art Foundation
 Ducks Unlimited
 Eastern Nevada Landscape Coalition
 Eureka Producers Cooperative
 Friends Nevada Wilderness
 Friends of Arizona Rivers
 Friends of Nevada Wilderness
 Great Basin Bird Observatory
 Great Basin Business and Tourism Council
 Great Basin National Heritage Route
 Great Salt Lake Audubon
 Greater Las Vegas Association of Realtors
 Henderson Development Association
 Intl Soc Protection of Mustangs Burros
 Las Vegas Convention and Visitors Authority
 Latin Chamber of Commerce Nevada, Inc.
 Lincoln County Heritage Site Stewards
 Mojave Southern Resource Advisory Council
 National Audubon Society
 National Mustang Association
 National Mustang Association
 Ne NV Stewardship GRP
 Northeastern Nevada Resource Advisory Council
 Nevada Contractors Association
 Nevada Miners and Prospectors Association

Nevada Outdoor Recreation Association
 Nevada State AFL CIO
 Nevada Subcontractors Association
 Great Basin Water Network
 Nevada Wildlife Federation
 Nevada Wildlife Federation
 NV Archaeological Association
 NV Environmental Coalition Inc.
 NV Job Connect
 NV Miners and Prospectors
 NV Board of Sheep Commissioners
 Nevada Water Resource Assoc
 Office of Public Archaeology
 Operating Engineers Local #3
 Partners in Conservation
 Partnership for the USA
 Progressive Leadership Alliance of Nevada
 Public Lands Foundation
 Public Resource Associates
 Resource Advisory Council
 Sierra Club
 Southern Nevada Home Builders Assoc
 So Utah Land Restoration Project
 Southwest Regional Council of Carpenters
 Susanville Advisory Council
 The Center for Biological Diversity
 The Conservation Fund
 The Nature Conservancy
 Utah Cattleman's Association
 Utah Property Rights Association
 Western Environmental Law Center
 Western Lands Project
 Western Watersheds Project
 Wild Horse Commission
 Wilderness Impact Research Foundation

Companies and Businesses

7H Ranch, LLC
 AECOM Environment
 Arid Lake Tree Nursery LLC
 Baker Ranches, Inc.
 Barrick Gold of North America
 Basin Research Associates
 Bengston Consulting
 BLT Lincoln County Land, LLC
 Blue Diamond Oil Corp
 Bobcat Properties, Inc.
 Broken Tongue Land and Livestock
 Butler Holdings, LLC
 C/O Kleinfelder
 Carter Cattle Company
 Centerra U S, Inc.
 Chico Environmental Science and Planning LLC
 Construction Notebook

D4 Enterprises
 Deep Creek Mountains Ranch
 Desert Wildlife
 Dixie Power Water Light Telephone & Oil, Inc.
 Double Horseshoe Ranch, LLC
 Doug Lenier Productions
 Dunbar Stone Co., Inc.
 Durham Resource Consulting
 Eagle Exploration
 Echohawk Law Offices
 Egbert Livestock, LLC
 Ellison Ranching Co.
 Entrix Environmental Consultants
 Executive Home Builders, Inc.
 FM Fulstone, Inc.
 First National Bank
 Fish Creek Ranch, LLC

Focus Property Group
 FX Energy, Inc.
 George Eldridge and Sons
 Geotechnical & Environmental Services, Inc.
 GI Ranch
 Gnomon Inc.
 Godec, Randall & Assoc
 Granite Construction Co.
 Hager & Hearne
 Harris Farms and Desert Utilities
 Hidden Canyon Ranch
 Horizon Wind Energy
 Humboldt Outfitters
 Huntsman Ranch, LLC
 ICF International
 Idaho Power
 Interstate Dist Inc.
 Jacobs Civil
 JBR Environmental Consultants Inc.
 John Espil Sheep Co
 John Uhalde and Company
 Jones & Stokes
 Kautz Environmental Consultants
 KB Home Nevada Inc.
 KDJ Associates
 Larralde Sheep
 Lewis Operating Corporation
 Mark Fore and Strike
 Meritage Homes of Nevada Inc.
 Moltan Company
 Moriah Ranches, Inc.
 Mt Wheeler Power Co
 Nevada Bell
 Nevada Land and Resource Co, LLC & Vidler Water
 Olympia Land Corporation
 Osceola Placer Mine
 Patagonia
 Wingfield Nevada Group

Media

Elko Daily Free Press
 KBZB Radio
 KKBR
 KOA
 KVMR FM
 KWNA
 KWNA Radio

PBS & J
 Phillips and Jordan Inc.
 Placer Dome America
 Quadra Mining Co.
 Rafter Lazy C Ranch
 Resource Concepts, Inc.
 Resource Land Holdings, LLC
 Saga Exploration Inc.
 Sammons/Dutton
 Silver Jack Inn
 SNEI Environmental Consultants
 Snowball Ranch
 Southern Nevada Water Authority
 So NV Building Trades Couner
 Staheli Farms
 Stewart-Nevada Enterprises
 Stine Farm
 Summit Engineering Corp
 Sunnyside Ranch/ Rocking 13 Ranch
 SWCA, Inc.
 Terraspectra Geomatics
 Tetra Tech, Inc.
 The Campbell Company
 Tin Cup Adventures
 T-K Cattle
 Toiyabe Café, Inc.
 Tomera Ranches, Inc.
 Trail Mountain, Inc.
 Trout Unlimited
 Tsosie & Hatch
 Union Pacific Railroad
 V Point Engineering
 VLA
 Western Marble, Inc.
 White River Ranch, LLC
 Wilkerson Consulting
 Willow Springs Ranch

Las Vegas Sun
 Sparks Tribune
 Tonopah Times
 Salt Lake Tribune
 Ely Times
 Las Vegas Review-Journal

Academia and Libraries

Beaver Library, Beaver, UT
 Cedar City Library, Cedar City, UT
 Clark County Library, Las Vegas, NV
 Delta City Library, Delta, UT
 Elko County Library, Elko, NV
 Lincoln County Library, Alamo, NV
 Lincoln County Library, Caliente, NV
 Mesquite Library, Mesquite, NV
 Nephi Library, Nephi, UT

Nevada State Library, Carson City, NV
 Tooele City Library, Tooele, UT
 University of Nevada, Reno, NV
 Utah State Library, Salt Lake City, UT
 Utah State University --Department of Watershed
 Sciences, Salt Lake City, UT
 Washington County Library, St. George, UT
 Washoe County Library, Reno, NV
 White Pine County Library, Ely, NV

Individuals

Aanerud, Leroy
 Abeyta, Ruben
 Ackerman, Frank
 Adams, Alma
 Ahlvers, Fred
 Alastuey, Stephen
 Alcock, John
 Alder, Deana
 Alder, Preston and Andrew
 Alder, Renee
 Alder, William and Mechell
 Alderson, George and Frances
 Alexander, Dave
 Allen, Kirby
 Allred, Christian
 Allred, Daniel
 Althiser, Ken
 Ambrose, Marilyn
 Anders, Lesia
 Andersen, Beth
 Anderson, Dean
 Anderson, Grant
 Anderson, Jerald and Elizabeth
 Anderson, Kelvin
 Anderson, Leora
 Anderson, Marci
 Andrae, Art
 Andrus, George
 Annala, Holly
 Anpu, S
 Arias, Ricardo
 Arnold, Harlan and Mary
 Ashdown, Laurence
 Assuras, Jim
 Atkinson, Mark
 Atkinson, Oskar
 Bacon, Patricia
 Bagley, Reuvo
 Bahe, Ernie
 Baker, Craig
 Baker, Janille
 Baker, Sylvia
 Balvan, Juan

Barber, John
 Barkanyi, Frank
 Barkley, Michael
 Bateman, Kyle
 Bates, Jerald and Marlene
 Bath, Donna
 Bath, James
 Baughman, Curtis
 Baughman, Mike
 Beall, Karen
 Beck, John
 Beers, Frank
 Belknap, William
 Bell, Edward and Cynthia
 Benezet, Louis
 Benner, Dianne
 Bennett, Gary
 Benson, Robert
 Bentley, Clint
 Bettger, Gerald
 Bevins, Earle
 Biederman, Albert
 Binderim, Darin
 Bingaman, Kim
 Bingham, Kelly
 Bird, Mark
 Bishop, Ken
 Bishop, Matt
 Bitton, Sandra
 Blankenship, Heidi
 Blazej, Nova
 Blazes, Sharon
 Blethen, John
 Boeger, Karen
 Bolas, Pam
 Bole, Philip
 Bonder, Dj
 Booth, Howard
 Botich, Susan
 Bowen, Cindy
 Bowers, Bill
 Bowersox, Rick
 Bowler, Leon

Bowler, Stuart
 Boyd, Jack
 Boynton, Robin
 Brackbill, Joseph and Lorie
 Bradshaw, Les
 Brailsford, Judith
 Branch, Angie
 Brandt, Joy
 Brauer, Jim and Ann
 Breitrick, John
 Brewster, Thomas
 Brister, Bob
 Broadwell, Jane
 Brown, Charles
 Brown, David
 Brunick, Cathy
 Brussard, Peter
 Buettner, Louise and George
 Bunker, Clyde
 Bunker, Dale
 Bunn, Ralph
 Burns, Heather
 Busch, Dixie
 Bush, Clarence and Marty
 Bustos, Millie
 Buttars, Chris
 Butts, William
 Cabble, Kevin
 Cadigan, Kathy
 Caldwell, Patrick
 Caputa, Jere
 Card, Gary
 Carlson, Wallace and Fay
 Carriger, Doug
 Carriger, Linda
 Carson, Andrew
 Carson, Doug and Laurie
 Carson, Millie
 Carson, Paula
 Carson, Paula
 Carter, Dean and Dona
 Case, Jim
 Casper, Sharla

Castles, Judy	De Queiroz, Alan	Foppiano, Gordon
Cazier, Jim	Deacon, James	Ford, Peter
Cencula, David and Nancy	Dearden, William	Foss, Donald
Chachas, Gregory	Dekker, Sheryl	Foss, Donald
Chachas, John	Deleon, Franklin	Frey, David
Chamberlain, Alan	Delmue, Frank	Frisbie, Wayne
Charles, Stanley	Delmue, Pete	Fritts, Connie
Childs, Douglas and Karma	Deneris, Jamie	Fryer, Shane
Christensen, Michael	Deneris, Jamie	Furter, Bob
Christiansen, John	Denison, Lou Anna	Gallegos, Frank
Clark, J.M.	Derbidge, Dale and Linda	Garabedian, Vivian
Clark, Lois	Despain, Joel	Garber, Alan and Marsha
Clark, Skip	Dewey, Martha	Garwood, Gary and Leah
Clarks Smith, Shea	Dewolfe, Terry and Tilda	Gassaway, Bill
Clayborne, Christine	Dewyze, James and Beverly	Gates, Mary Alice
Clayton, Boyd	Diaz, Jay	Gatzke, Holly
Clayton, Eugene	Dickinson, Kathleen	Gerber, Travis
Clayton, Thomas	Diederichs, Barbara	Germany, Cynthia and Jim
Cleary, Rex	Dingeman, Chris	Gesick, Tom
Clemens, Mark	Dixon, Joanne	Ghiglieri, Dennis
Clifford, Paul	Dolezal, Bob	Ghigliotty, Janet
Coache, Robert	Doney, Jim	Giannopoulos, George
Coffman, William	Donnan, Patrick	Gillon, Kara
Cokinos, Christopher	Donoho, Mike	Gilmore, Connie
Colgan, James	Dore, Sandra	Gish, Douglas and Justice
Colip, Carol	Dotson, Tim	Gissen, David
Collett, Hugh and Louise	Douglass, Buck	Giusti, Laura
Collins, Martha	Draper, Dean	Gledhill, Elizabeth
Connor, William	Dressler, Frederick	Gomez, Isidro
Conrad, Joie	Dudek, Stacey	Gonder, Guy
Cooley, Peggy	Dudley, Chris	Goodwin, Barbara
Cooper, Victoria	Duff, Donald	Goodwin, Jerry
Corbett, Carol	Dunne, Loretta	Gordon, Tj
Corley, Bee	Dunning, Jan	Green, Chris
Covington, Hilton	Dupree, Gale	Green, Dale
Cox, Bruce	Dutson, Larry	Green, Emily
Crawford, Eldon	Edwards, Judy	Green, Linda
Crook, Sharon	Ehrenpfort, Jeffrey	Green, Robert
Crouch, Robin	Eisele, Judith	Greer, Helen
Cruikshank, Laurie	Ekker, Jeni	Greil, Jim
Csenge, Richard and Debra	Eldred, Lisa	Griffiths, Kay
Curtis, Janet	Eldridge, Nancy	Gumble, Linda
Cushman, Kathryn	Ellison, John	Guymon, Brad
Dabrowski, Thomas	Emanuel, Richard	Hafen, Brent
Dahl, Demar	Erickson, Steve	Hallock, Sheila
Dall, Brent	Eriksen, Lisa	Hamby, Don
Dalley, Lindsey	Ewers, Annette	Hamilton, Jack
Dalton, Billie	Fagg, Flinn	Hammelrath, Catherine
Danner, Jim	Fakharzadeh, Jahan and Gaynell	Hancock, Charles
Davidson, Bill	Fascio, Sylvia	Hansen, John and Anita
Davis, Gene	Feldman, Mark	Hanson, Jack
Davis, Jessica	Felling, Rick	Hardy, Crescent
Davis, Matt	Fields, Genevive	Harlow, Gayle
Davis, Nolan	Fillman, Kristine	Harmon, Pollyana
Day, Rutherford	Fillman, Pat	Harris, Tom
Dazey, M. Lee	Fitch, James	Hatch, Roger

Hatch, Thomas
 Hatch, Thomas
 Hathaway, Dan
 Haug, Henry
 Hausch, Mary
 Hausett, Mary
 Hayward, Dean
 Hayward, Wm
 Hearn, Daniel
 Heckethorn, Anne Marie
 Heinbaugh, Ken
 Heinz, Dan
 Heise, Dorothy
 Held-Warmkessel, Jeanne
 Hemstreet, Dale
 Henderson, Jay and Kaye
 Hendrix, Wayne
 Henkes, Anne-Marie
 Hepworth, Brent
 Hepworth, Dorthea
 Hepworth, Jerry
 Herman, Larry
 Hernandez, Donna
 Herring, Al
 Herskovits, Simeon
 Hinton-Rebiejo, Betty
 Hissong, Jack
 Hoffman, Lyle
 Holladay-Vernon, Barbara
 Holloway, Bruce
 Holmes, Stanley
 Holt, Wesley
 Hornbeck, Diane and Leslie
 Hornbeck, Ronda
 Horsley, Ronald
 Howerton, Brent
 Huggins, William
 Hughes, Arlin
 Hulihan, Sharon
 Hundt, Heather
 Hurst, Tom
 Inkel, Ray
 Ithurralde, James
 Iverson, Clay
 Ivie, Rod
 Jakovina, Robert and Harriet
 Jennings, Don
 Jennings, Robyn
 Jensen, Lorraine
 Johnson, Abigail
 Johnson, Abigail
 Johnson, Linda
 Johnson, Peggy
 Johnston, Bob
 Jones, Anne
 Jones, Loretta

Jones, Mark
 Jones, Rachel
 Jones, Terry
 Jones, Wayne
 Kagan, Ted
 Kasold, Ernest
 Kauneckis, Derek
 Kearney, Mary
 Keller, Phyllis
 Kelley, Kara
 King, Steve
 Kingston, Merlin
 Kirkham, John
 Knopick, Suellen
 Kogan, William
 Koster, Eric
 Koyle, Denys
 Kuver, Walt
 La Schiava, Dona
 Lambert, Anne
 Lani, Kara
 Larsen, Electra
 Larsen, Larry
 Lauritzen, Martha
 Lazar, Andrea
 Lear, Joline
 Leavitt, Robert
 Leclair, Margaret
 Ledenich-Coronado, Elizabeth
 Lee, Mary and Ian
 Leeder, Charles
 Lefevre, Cathy
 Leonakis, Timothy
 Lewis, Janis
 Lewis, Jennifer
 Lewis, Rex
 Lewis, Robert
 Livermore, Dave
 Lizardo, Sherry
 Lloyd, Jason
 Loper, Nevada
 Lugo, Diane
 Lurie, Ron
 Luttmann, Rick
 Luzier, Mary
 Lyle, Jody
 Lytle, Eldon
 Lytle, Farrel
 Lytle, Kenneth
 Lytle, Larry
 Mahoney, Dennis
 Malkmus, Carl
 Mann, Virginia
 Marchen, Pat
 Marjite, Andrew
 Marshall, Jack

Martin, Jerry
 Matos, Samuel
 Matusz, Judy
 Mauger, Gary
 Maynard, Marc
 Mazur, Rachel
 Mcaleenan, Marian
 Mccarill, William
 Mccarthy, Charice
 Mccarthy, Curtis
 Mccrum, George
 Mcculloh, Richard
 Mccullough, Megan
 Mccurdy, Catherine
 Mcdaniel, Cindy
 Mcgloin, Joe
 Mcgowan, Dave
 Mcguire, Matthew
 Mcguire, Pat
 Mckenzie, Les
 Mclane, Alvin
 McMahill, Steve
 Mcmenemy, Ron
 Meinhardt, Robert
 Meleo, Anthony
 Melissa Renfro
 Melvor, Don
 Memory, Lorraine
 Metzker, John
 Meyer, Carla
 Meyers, Marc
 Mierzwa, Abe
 Mifflin, Martin
 Miles, Clark
 Miles, Clark
 Miller, David
 Mills, Rebecca
 Mills, Ron
 Milne, Martha
 Mitchell, Gary
 Mitchell, Jeff
 Mitchell, Thomas
 Moore, David and Roberta
 Moore, Jack
 Moore, Robert and Miyobo Ono
 Mora, Gabriella
 Moreland, Kirsten
 Morphis, Huel
 Morris, Christy
 Morris, Mike
 Morrison, Fran
 Morros, Peter
 Mortenson, Helen
 Mousset-Jones, Pierre
 Murray, Jane
 Myers, Marc

Nedreberg, Heidi	Pietrocola, Joanne	Samson, Jerry
Nelson, Douglas	Platt, Steve	Sanda, Carla
Nelson, Margaret	Plumley, Patrick	Sanders, Patricia
Neuffer, Dan	Pohlman, Robert	Sanders, Tom and Phyllis
Neuman, Tom	Polman, Ken	Satriano, Michael
Neville, Helen	Porter, Jon	Schaliez, Patsy
Newton, Alice	Powell, Pat	Scherschel, John
Nicholson, Kay	Powell, Ralph	Schlegel, Jane
Nickels, Jeanette	Powers, Sharon	Schmit, Thomas
Nickerson, Robert and Joyce	Prigge, Dianne	Schmitt, Richard
Nielsen, Karen	Pritcher, Allan	Schmutz, Eldon
Nielson, Grant	Prospect, David and Anna	Schmutz, Ray
Nielson, John	Pruitt, Robert	Schneider, William
Nimmo, James	Puca, Bob	Scholley, Susan
Noel, Mike	Purdy, Jerry	Schuessler, Gail
Northrop, Joan	Raker, Michael and Linda	Schultz, Stephen
Norton, Carrie	Rautenstrauch, Kurt	Schumann, Doris
Oberg, Erik	Rawlings, Merle	Scott, Bruce
Odonnell, David	Reddy, Sarneesha	Scutt, Pamela
Olds, Jerry	Reed, Genevieve	Segerblom, Gene
Olver, Martha	Reedy, Denise	Sendlein, Steve
Omer, Don and Anne	Reid, Frank	Seyfriedtr, William
Oppenborn, Tod	Reuther, Sandra	Shanks, Donald
Orrock, Kevin and Diana	Reynolds, Allene	Shannon, Abney
Otero, Kelly	Reynolds, Marc	Sharp, Randy
Ott, Robert	Reynolds, Ronda	Shaw, Adam
Paglia, Laila	Rhea, Mary	Shearer, Doug
Palmer, Bruce	Rice, Colleen	Sheppard, John
Palmer, Don and Betsy	Richards, Mark	Sheppard, Nomi
Palmer, Rebecca	Riddle, Dan and Vikki	Shields, Arnold and Shirlee
Parker, June	Riseden, Liz	Shih, Cheng
Pasek, Michael	Roberts, Roslynn	Shipp, Jon
Patera, Jim	Robinson, James	Simkins, Connie
Pattani, Fj	Robinson, Kae	Sims, John
Patty, James and Mary Jo	Robinson, Raymond	Sims, Robert and Franci
Paulsen, Ashley	Robison, Lowell	Sip, Larry
Pavelko, Mike	Robison, Russell	Slagowski, Carl
Peacock, Russel	Rodefer, Marilyn	Slocum, Maureen
Pearson, Keith	Rodeffer, Amanda	Slone, Sid
Pearson, Wayne	Roderick, Kim	Smith, Barry
Peltier, Michelle	Roderick, Rachel	Smith, Barry
Pense, Margaret	Rogers, Mark	Smith, Frank
Perkowski, John	Rolland, Ruth	Smith, Gibbs and Catherine
Perkowski, John	Romero, Jeannette	Smith, Katherine
Pete, Darrell	Rose, Donald	Smith, Matt
Peterson, Kimberly	Rosenfeld, Susan	Smith, Tony U and Josephine
Pettegrew, Joesph	Rosevear, Thomas	Smith, Verlie
Petrson, Kim	Rothfuss, Ed	Smoller, Nancy
Petty, Michele	Rothwell, Shelley	Smucker, Richard
Phillips, Alan	Rountree, William and Katherine	Snyder, Kelly
Phillips, Dorothy	Rowley, Lavon	Sochat, Barry
Phillips, Matthew and Cecil	Russell, Robert	Sonnenberg, Dennis
Phillips, Sims	Ryberg, Erik	Sorensen, Blake and Clare
Phillips, Vaughn	Sachau, B	Sorrells, Susan
Piani, James	Sacrison, Ralph	Souza, Alice
Pickles, Raymond	Sakellaropoulo, Jambrina	Spear, Edwin

Spotts, Richard	Wagner, Robert
Stazeski, Michael	Wagner, Sandra
Stazeski, Theodore	Wahl, Bill
Stazeski-Colanta, Anne	Walker, Kathy
Stazeski-Luken, Claire	Walker, Kathy
Stensaas, Suzanne	Wallis, Don
Stevens, Lynn	Walsworth, Dan
Stever, Deanna	Walter, Robert
Stever, Keith	Wardlaw, Jon
Stewart, Edward	Watrous, Frank
Stiver, Suzanne	Watson, Harry
Stokes, Donald	Watson, Patti
Stoldal, Robert	Wechsler, Ann
Stowell, Dennis	Weisbrot, Ed
Strickland, Rose	Welch, William
Strickland, Rose	Wells, Karen
Stubbs, Barry	West, Jim
Sullivan, John	Wetmore, Susan
Summers, Jan	Whealan, William
Sutherland, Steve	Wheeler, Bryce and Wilma
Swanson, William	Wheeler, Darwin and Chris
Swenson, Tracy	Whetstone, Kirsten
Tagawa, Ann	Whipple, John
Taylor, Bob	Whitney, Bill
Taylor, Jackson	Whitney, Donald
Taylor, Ronald	Wilkin, Carla
Taylor, Teresa	Wilkin, James
Taylor, Val	Wilkinson, Barbara
Teasley, Regi	Wilkinson, J.
Terril, Mike	Williams, Donald Cynthia
Thomas, Jill	Williams, George
Thompson, Richard and Jean	Williams, Jason
Thrasher, Thomas	Willis, Frederick
Tienken, Dixie	Wilshire, Howard
Tilford, Dave	Wilson, Holly
Timm, Brittney	Wilson, R
Tolbert, Verl	Woffinden, John
Tousseau, Laura and Mel	Wood, Matt
Tresner, Carol	Woodruff, Jeff
Trost, Carol	Woodyard, John
Trousdale, Daniel	Woolsey, Sarah
Trousdale, Ronald	Wozniak, Shawn
Truman, Emma	Wright, Preston
Twedt, Peggy	Wurmnest, Jack
Ursu, John	Wyllie, Darlene
Valentine, Jim	Wyman, Richard
Valentine, Virginia	Yocom, Myrn
Van Dyke, Bruce	Zelasko, Sandy
Vaydik, Frank	Zelch, Glennon
Vincent, Luke	Zietlow, Matt
Vogt, Tim	Zuckerman, Linda
Vohl, Anne	Zumpft, Lisa
Wade, Lavar	Zurschmiede, James
Wadsworth, James	
Wadsworth, John	
Wadsworth, Jule	

6. List of Preparers and Reviewers

6.1 Bureau of Land Management EIS Team

BLM Office/Team Member	Resource/Responsibility
Nevada State Office	
Amy Lueders	State Director
Penny Woods	Project Manager
Dan Netcher	Deputy Project Manager, Hydrology
Kim Dow	Natural Resource and Section 7 Coordination, General Administration, Website Maintenance, Budget
Kathy Cadigan	Administrative Record, Correspondence, Media
Sarah Peterson	State Office – Soil, Water, and Air Resources
Tom Burke	State Office – Cultural and Tribal
Jolynn Worley	Public Affairs
Ely District Office	
Rosey Thomas	District Manager
Mike Herder	Associate District Manager
Mary D'Aversa	Field Manager, Schell Field Office
Elvis Wall	Tribal Consultations, Native American Concerns
Travis Young	NEPA
Melanie Peterson	Hazardous Materials/Safety
Dave Davis	Geology
Dave Jacobson	Wilderness, Recreation, Visual Resource Management
Paul Podborny	Wildlife Oversight/Section 7 Consultation
Ben Noyes	Wild Horse and Burro
Craig Hoover	Range
Shawn Gibson	Archaeology
Nancy Williams	Wildlife, Section 7 Consultation
Alicia Styles	Section 7 Consultation
Mindy Seal	Noxious Weeds, Vegetation, Riparian, Wetlands
Gina Jones	Ecology, Vegetation, Riparian, Wetlands

6.1 Bureau of Land Management EIS Team

BLM Office/Team Member	Resource/Responsibility
Mark D' Aversa	Soils
Zack Peterson	Forestry
Southern Nevada District	
Phil Rhinehart	Southern Nevada District Liaison
Susanne Rowe	Cultural/Tribal, Southern Nevada
Mark Slaughter	Biology
Lisa Christianson	Air Quality
Utah State Office	
Verlin Smith	Branch Chief, Natural and Renewable Resources
Glenn Carpenter	West Desert, District Manager
Justin Jimenez	Coordinator – SNWA Project and Riparian/Fisheries Lead
Heidi Hadley	Groundwater Hydrology
Roy Smith	Water Rights
Lisa Bryant	Soil, Water, Air
Ron Bolander	Botany and T&E Species
Steve Madsen	Wildlife
Phillip Zieg	Water Rights
Craig Egerton	Range
National Operations Center, Denver, Colorado	
Paul Summers	Hydrogeology

6.2 AECOM EIS Team (Third-party Consultant)

AECOM Team Member	Responsibility/Resource	Degree/Certifications	Experience (years)
Scott Ellis	Project Management, Vegetation	BS Biology & English	39
Rollin Daggett	Project Management, Aquatic Resources	MS Freshwater & Marine Biology BS Zoology	36
Debby Sehi	Project Management and Coordination	BS Environmental Health	15
Jean Decker	Senior Review	MS Chemical/Environmental Engineering BA Chemistry/Biology	38
Jamie Schlangen	Wildlife Biology	MS Applied Ecology MS National Resource Management and Environmental Policy BS Wildlife Ecology	11
Ellen Dietrich	Soil	Graduate Studies, Soil Science/Archaeology BA Archaeology/Geology	39
Patrick Plumley	Water Resources	MS Geology BS Geology	24
Chris Dunne	Wild Horses and Burros, and Grazing/Range Management	BS Range Science	5
Ron Dutton	Socioeconomics	MS Economics BS Economics	33
George Blankenship	Environmental Justice	MA Urban and Regional Planning/Community Development BA Anthropology BA Social Work	31
Kim Munson	Cultural Resources, Native American Concerns Illustrations of Native American Points	MA Anthropology BA Anthropology Integrating Cultural Resources into NEPA Compliance Heritage Resources Management - Section 106 Review	16
Bill Berg	Geology, Paleontology, Hazardous Materials	MS Geology BS Geology	34
Jeremy Call	Visual Resource Management	MS Landscape Architecture BA Humanities	8

6.2 AECOM EIS Team (Third-party Consultant)

AECOM Team Member	Responsibility/Resource	Degree/Certifications	Experience (years)
Courtney Taylor	Air and Climate	MS Atmospheric Science BA Environment, Economics, and Politics	10
Melanie Martin	Recreation, Special Designation Areas, Land Use, Transportation	BS Environmental Policy and Management, Natural Resource Management BA Advanced Study in Natural Resource Management BS Agriculture, Environmental Protection	13
Todd White	GIS, Recreation, Transportation, Land Use	MCP Community Planning Environmental Science MA Anthropology BA Geology	15
Adele Gard	Document Production	College Coursework	20
Bruce Flinn	NEPA Review	Retired BLM Manager	34
Molly Molenaar	Tribal Consultation	B.A. English M.A. Cultural Anthropology, 11 years of experience with Great Basin Tribes/Ethnography	11
John Godec	Public Participation/Facilitator	BA Communication MS Management	30

6.3 Cooperating Agencies

Federal Agencies

- Department of Agriculture, Forest Service (USFS)
- Department of Defense, Army Corps of Engineers (USACE)
- Department of Defense, Nellis Air Force Base
- Department of Interior, Bureau of Indian Affairs
- Department of Interior, Bureau of Reclamation
- Department of Interior, Fish and Wildlife Service (USFWS)
- Department of Interior, National Park Service

State Agencies

- Nevada Department of Wildlife (NDOW)
- State of Utah

Local Agencies

- Central Nevada Regional Water Authority
- Nevada Counties: Clark, Lincoln, White Pine
- Utah Counties: Juab, Millard, Tooele

6.4 Other Agencies**Nevada State Engineer's Office**

The Nevada State Engineer's Office participates in the Groundwater Development Project as an observer. They will review the draft EIS when it is released to the public.

U.S. Geological Survey

The USGS has contributed to the NEPA process in the role of Technical Advisor to the BLM. Their assistance has included review of the project water model and technical advice regarding the design, calibration, and results of the modeling. This role also included review of the preliminary and administrative drafts of this draft EIS and they will review the draft EIS when it is released to the public.