

# Preparation Plan

**CARSON CITY DISTRICT  
RESOURCE MANAGEMENT PLAN REVISION  
AND  
ENVIRONMENTAL IMPACT STATEMENT**

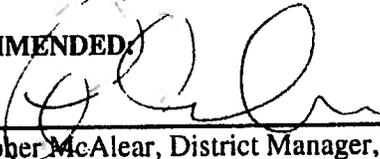


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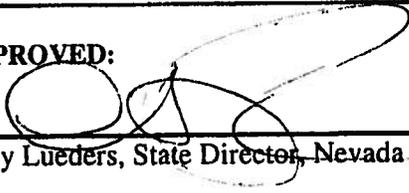
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## TABLE OF CONTENTS

|                                                                                                                                   |          |
|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>INTRODUCTION &amp; BACKGROUND</b> .....                                                                                        | <b>1</b> |
| INTRODUCTION.....                                                                                                                 | 1        |
| BACKGROUND .....                                                                                                                  | 2        |
| <b>PURPOSE AND NEED</b> .....                                                                                                     | <b>2</b> |
| REVISION NEEDED.....                                                                                                              | 2        |
| EVALUATIONS .....                                                                                                                 | 3        |
| GOALS OF REVISED RMP .....                                                                                                        | 3        |
| NEIGHBORING PLANS .....                                                                                                           | 3        |
| COLLABORATION.....                                                                                                                | 3        |
| FUNCTION OF PREPARATION PLAN .....                                                                                                | 3        |
| <b>PLANNING AREA DESCRIPTION</b> .....                                                                                            | <b>4</b> |
| CARSON CITY DISTRICT PLANNING AREA.....                                                                                           | 4        |
| <b>ANTICIPATED PLANNING ISSUES AND MANAGEMENT CONCERNS</b> .5                                                                     |          |
| ANTICIPATED PLANNING ISSUES .....                                                                                                 | 5        |
| Issue No. 1: Restoring Ecological Health.....                                                                                     | 5        |
| Issue No. 2: Air and Atmospheric Values .....                                                                                     | 6        |
| Issue No. 3: Water .....                                                                                                          | 6        |
| Issue No. 4: Cultural Resources, Native American Concerns and Paleontology .....                                                  | 6        |
| Issue No. 5: Visual Resource Management.....                                                                                      | 6        |
| Issue No. 6: Special Status Species (includes Threatened, Endangered and Sensitive Status Species).....                           | 6        |
| Issue No. 7: Fish and Wildlife.....                                                                                               | 7        |
| Issue No. 8: Wild Horses and Burros .....                                                                                         | 7        |
| Issue No. 9: Fire Management.....                                                                                                 | 8        |
| Issue No. 10: Livestock Grazing .....                                                                                             | 8        |
| Issue No. 11: Recreation and Visitor Services .....                                                                               | 8        |
| Issue No. 12: Lands and Realty .....                                                                                              | 9        |
| Issue No. 13: Mineral Resources (includes Oil, Gas, Geothermal, Coal, Saleable, Solid Leasable (except coal) and Locatable) ..... | 9        |
| Issue No. 14: Hazardous Materials.....                                                                                            | 10       |
| Issue No. 15: Special Designations .....                                                                                          | 10       |
| Issue No. 16: Renewable Energy.....                                                                                               | 10       |
| Issue No. 17: Socio-Economics.....                                                                                                | 10       |
| Issue No. 18: Environmental Justice .....                                                                                         | 11       |
| Issue No. 19: Sustainable Development.....                                                                                        | 11       |
| Issue No. 20: Comprehensive Travel and Transportation Management .....                                                            | 11       |
| Issue No. 21: Cave and Karst Resources.....                                                                                       | 12       |
| Issue No. 22: Urban Growth.....                                                                                                   | 111      |

|                                                                                            |           |
|--------------------------------------------------------------------------------------------|-----------|
| Issue No. 23: Forest/Woodland Management .....                                             | 12        |
| <b>MANAGEMENT CONCERNS .....</b>                                                           | <b>12</b> |
| <b>EXISTING DECISIONS TO BE BROUGHT FORWARD .....</b>                                      | <b>12</b> |
| Cultural Resources.....                                                                    | 13        |
| Hazardous Conditions on Public Lands .....                                                 | 13        |
| Native American.....                                                                       | 13        |
| Program Specific Requirements .....                                                        | 13        |
| Landscape Protection.....                                                                  | 13        |
| <b>PRELIMINARY PLANNING CRITERIA.....</b>                                                  | <b>13</b> |
| <b>DATA AND GIS NEEDS AND AVAILABILITY .....</b>                                           | <b>16</b> |
| <b>GIS DATA NEEDS .....</b>                                                                | <b>17</b> |
| Water Resources .....                                                                      | 17        |
| Vegetation/Soils .....                                                                     | 17        |
| Noxious Weeds/Invasive Species/Pests .....                                                 | 18        |
| Wetlands and Riparian Areas .....                                                          | 18        |
| Cultural Resources, Native American Concerns and Paleontology .....                        | 18        |
| Visual Resource Management.....                                                            | 18        |
| Special Status Species (includes Threatened, Endangered and Sensitive Status Species)..... | 18        |
| Fish and Wildlife .....                                                                    | 18        |
| Wild Horses and Burros .....                                                               | 18        |
| Fire Management.....                                                                       | 19        |
| Livestock Grazing .....                                                                    | 19        |
| Recreation.....                                                                            | 19        |
| Lands and Realty .....                                                                     | 19        |
| Mineral Resources .....                                                                    | 19        |
| Hazardous Materials .....                                                                  | 19        |
| Special Designations .....                                                                 | 19        |
| Renewable Energy.....                                                                      | 19        |
| Socio-Economics.....                                                                       | 20        |
| Environmental Justice .....                                                                | 20        |
| Transportation Management.....                                                             | 20        |
| <b>GEOSPATIAL DATA DEVELOPMENT .....</b>                                                   | <b>20</b> |
| Geospatial Data Development Assumptions:.....                                              | 20        |
| Geospatial Data Development Guidelines: .....                                              | 21        |
| GIS Data Management Tasks .....                                                            | 22        |
| <b>PARTICIPANTS IN THE PROCESS.....</b>                                                    | <b>23</b> |
| <b>BLM STAFF AND TEAM MEMBERS.....</b>                                                     | <b>23</b> |
| State Director.....                                                                        | 23        |
| District Manager.....                                                                      | 23        |
| Division Managers.....                                                                     | 23        |
| BLM Project Manager .....                                                                  | 23        |
| Core Team .....                                                                            | 23        |

|                                                                     |                        |
|---------------------------------------------------------------------|------------------------|
| Interdisciplinary Team (IDT) .....                                  | 24                     |
| GIS & Internet Coordinators - District Office & State Office .....  | 25                     |
| Environmental Contractor(s) .....                                   | 27                     |
| <b>AGENCIES AND STAKEHOLDERS .....</b>                              | <b>27</b>              |
| Federal Agencies .....                                              | 27                     |
| State Agencies .....                                                | 28                     |
| Native American Tribes .....                                        | 28                     |
| Resource Advisory Council (RAC).....                                | 29                     |
| State Historic Preservation Officer (SHPO).....                     | 29                     |
| Local Governmental Agencies .....                                   | 29                     |
| Other Stakeholders .....                                            | 29                     |
| Cooperating Agencies .....                                          | 30                     |
| <b>FORMAT AND PROCESS FOR THE PLAN .....</b>                        | <b>30</b>              |
| FORMAT .....                                                        | 30                     |
| PROCESS.....                                                        | 31                     |
| ALTERNATIVE FORMULATION .....                                       | 31                     |
| <b>PLAN PREPARATION SCHEDULE.....</b>                               | <b>31</b>              |
| <b>PUBLIC PARTICIPATION PLAN.....</b>                               | <b>31</b>              |
| <b>BUDGET.....</b>                                                  | <b>33</b>              |
| <br>                                                                |                        |
| <b>GLOSSARY .....</b>                                               | <b>Glossary 1-8</b>    |
| <br>                                                                |                        |
| <b>APPENDIX 1 – MAPS .....</b>                                      | <b>Appendix 1.1-3</b>  |
| <br>                                                                |                        |
| <b>APPENDIX 2 – LAWS, EXECUTIVE ORDERS, AND OTHER GUIDANCE.....</b> | <b>Appendix 2.1-3</b>  |
| <br>                                                                |                        |
| <b>APPENDIX 3 – DATA NEEDS, STANDARDS, AND SOURCES .....</b>        | <b>Appendix 3.1-21</b> |
| <br>                                                                |                        |
| <b>APPENDIX 4 – PLAN PREPARATION SCHEDULE .....</b>                 | <b>Appendix 4.1-7</b>  |
| <br>                                                                |                        |
| <b>APPENDIX 5 – PROPOSED RMP/EIS BUDGET .....</b>                   | <b>Appendix 5.1-4</b>  |

# INTRODUCTION & BACKGROUND

## INTRODUCTION

The Carson City District Planning Area encompasses approximately 5<sup>1</sup> million acres of public land in 12 counties within two states (Washoe, Storey, Carson City, Douglas, Lyon, Churchill, Mineral, and Nye Counties within Nevada, and Sierra, Alpine, Plumas, and Lassen Counties within California) (Appendix 1, Map 1).

The Stillwater Field Office (SFO), of the CCD, BLM comprises approximately 3.5 million acres of public land in Mineral, Churchill and Nye Counties, Nevada (Appendix 1, Map 2). The Sierra Front Field Office (SFFO), of the Carson City District (CCD), Bureau of Land Management (BLM), comprises approximately 1.5 million acres of public land in Washoe, Carson City, Storey, Douglas and Lyon Counties within Nevada and Sierra, Alpine, Plumas, and Lassen Counties within California (Appendix 1, Map 3). Both the SFFO and the SFO are now managed under the decisions in the Carson City Field Office Consolidated Resource Management Plan (RMP) approved in 2001 and four amendments to that RMP.

The planning area will include public land administered by the CCD and will exclude private lands, state lands, Indian reservations, and federal lands not administered by BLM. In addition to public land, the BLM administers mineral interests on other federal lands, including lands managed by the US Forest Service, US Bureau of Reclamation, and Department of Defense military withdrawn lands and manages federal mineral estate beneath private or state surface estates. Coordination will occur with California BLM and neighboring Nevada BLM district offices to provide a consistent framework for managing public lands and resource uses.

The Carson City District RMP Revision will revise Carson City Field Office Consolidated RMP and will be initiated and completed as one District-wide RMP Revision/Environmental Impact Statement (EIS). The revised RMP will incorporate management decisions from the existing RMP and amendments if those decisions remain appropriate, and will provide updated decisions for the balance of the issues. The proposed RMP/EIS will be completed in accordance with Bureau planning regulations and the requirements of the National Environmental Policy Act (NEPA.) It will provide for implementation of the Great Basin Restoration Initiative (GBRI) and the National Fire Plan on public lands within the Carson City District.

All interested publics will have opportunity for input into all aspects of the development of the RMP/EIS. The Plan will be prepared in close consultation and collaboration with appropriate federal, state, tribal, county, and local agencies.

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<sup>1</sup> According to the BLM GIS landownership layer on July 28, 2011.

## **BACKGROUND**

Vegetative communities of the Great Basin have changed markedly over the past 150 years. While restoration, reclamation and rehabilitation efforts have improved the health of the land following surface-disturbance from public land uses such as livestock grazing, wild horse and burro use, mining and natural disturbances such as wildfire, the ecological health of this portion of the Great Basin is still an issue of concern. Noxious weeds and invasive, non-native plant species have contributed to the current state of ecological health of the Great Basin. Such changes have led to trends of steadily increasing fuel loads, decreased fire return intervals; and increased wildfire intensity and size. The result has been a loss of soil productivity, a decrease in vegetative diversity, and deterioration of watersheds.

Issues in the District include livestock grazing, mining on public lands, renewable energy development, fuels management, water quality, recreational tourism, community expansion, and the protection of cultural resources and traditional cultural values. The health of sagebrush communities and pinyon/juniper woodlands and deteriorating ecological conditions of vegetative communities are of particular concern. Current ecological conditions that are of concern include water quality and quantity, sage grouse populations, noxious weeds and invasive plant species, woody species (especially pinyon/juniper) dominating non-woodland sites, and resiliency (ability to recover from disturbance) of many sagebrush / perennial grass sites.

These conditions must be addressed in order to return the Great Basin to an ecologically healthy condition and should be done in concert with collaborative partners and local communities.

## **PURPOSE AND NEED**

The BLM is mandated by law to manage the public lands under the principles of multiple use and sustained yield while preventing unnecessary or undue degradation of the land. It's RMPs set the parameters for such use. However, as the human population grows, greater demands are made on the land and its resources. Further, the science or art of preventing unnecessary or undue degradation continues to evolve. The RMP currently governing land and resource use in the planning area as well as the prescriptions established within those plans for preventing unnecessary or undue degradation of the lands need to be updated. It is the intent and purpose of the planning effort to not only assess the state of the land and the appropriate uses to which it can be subjected but to modernize the parameters of such use. By incorporating such new and modern concepts as ecosystem services and adaptive management, the new plan will provide a current, modern, dynamic and mature guide for future management decisions.

## **REVISION NEEDED**

Revision of the Carson City Field Office Consolidated RMP is needed to update resource management direction and consolidate still-valid decisions in order to meet Bureau goals and objectives in the District (Appendix 1, Map 1). The EIS will include analysis of cumulative impacts to resources relative to the identified issues, allocations and prescriptions developed through the planning process.

## **EVALUATIONS**

In 2001, the Carson City Field Office consolidated decisions from eight major field office planning documents and five amendments into one land use planning document – the Carson City Field Office Consolidated RMP. During the creating of the Consolidated RMP, extensive review and evaluation by field office resources specialists occurred. While the consolidated RMP did not change the scope of existing decisions made in previous land use plans or amendments, it did update and modernize the previous decisions. The Consolidated RMP continued to maintain appropriate management direction; however, the plan is virtually silent with regards to addressing fire, fire rehabilitation, OHV use, wind energy, geothermal energy, noxious weeds, Rangeland Health Standards, guidelines for sage-grouse management, healthy sagebrush ecosystem and open space. The plan also does not adequately address the National Fire Plan, transportation planning and the Great Basin Restoration Initiative. Additionally, Visual Resource Management classifications need to be re-visited based on current public use.

## **RMP PROCESS**

The revised RMP will describe the current management situation, identify desired future conditions to be achieved (or maintained), and describe management actions necessary to achieve those objectives. It is anticipated that the revised RMP will change or expand upon decisions in the existing RMPs and amendments. However, some of the existing decisions will be carried forward, without change, and made part of the revised RMP.

## **NEIGHBORING PLANS**

The revised RMP will be consistent with other Federal, State and local plans to the extent they are consistent with Federal laws (see Appendix 2) related to management of lands within or adjacent to the District. This may include, but is not limited to, other RMPs, County land use plans, Forest Plans, fire management plans, wildlife habitat management plans, special status species recovery plans, livestock grazing allotment management plans, integrated weed management plan and recreation management plans.

## **COLLABORATION**

Development of this RMP/EIS will be a collaborative effort. We anticipate working with representatives from Federal, State and local governments, the general public in the District, the ranching community, the mining community, special interest groups, and other stakeholders who demonstrate an interest in the planning effort. Recent Department of the Interior policy directs BLM to consult with tribes on a government-to-government basis, create effective collaboration with tribes that informs BLM decision-makers, promote cooperation, and seek participation and efficiencies.

## **FUNCTION OF PREPARATION PLAN**

The Preparation Plan defines work that must be completed for this effort and provides a general blueprint for development of the RMP/EIS. It is intended that the Preparation Plan be flexible, since new issues and resource management considerations will be identified during scoping and the EIS process in general.

The purpose of this Preparation Plan is to:

1. Document the boundaries of Planning Area being addressed;
2. Identify the preliminary objectives and issues to be resolved and the planning criteria that will be used to address them;
3. Document the scope, complexity, major responsibilities, and requirements for the planning effort;
4. Establish the internal and external coordination for the agencies involved;
5. Identify a completion schedule and budget; and
6. Establish the public participation process.

## **PLANNING AREA DESCRIPTION**

### **CARSON CITY DISTRICT PLANNING AREA**

The Carson City District Planning Area (CCDPA) is in western Nevada and eastern California consisting of about 5 million acres of public land. It includes 12 counties within two states (Washoe, Storey, Carson City, Douglas, Lyon, Churchill, Mineral, and Nye Counties within Nevada, and Sierra, Alpine, Plumas, and Lassen Counties within California) (Appendix 1, Map 1).

The CCDPA is in the physiographic area known as the Basin and Range (or Great Basin) Province, which is characterized by discrete, north- or northeast-trending fault bounded mountain ranges, typically about 20 miles wide and less than 80 miles long, separated by narrow, deep, alluvium-filled valleys. The varied topography, geology, soils, flora and fauna in the Planning Area are typical of the high (cold) desert.

In general, vegetation found in the planning area is typical of the Great Basin, the vast majority of the planning area occurs within the Great Basin, with a small western portion occurring in the Sierra Nevada ecoregion. The extremes of climate, elevation, and soil type combine to produce environments that strongly influence the plant species. Salt-tolerant shrubs and playas prevail in the lower valleys. Expanses of sagebrush and other shrub communities cover most of the higher elevations.<sup>2</sup> Pinyon and juniper woodlands occupy large portions of lower elevation mountain slopes and ranges, with conifer and hardwood forests occurring in widely dispersed patches.<sup>3</sup> Small areas of wetland habitats including perennial streams, wet meadows, springs, and seeps are scattered throughout the CCDPA. Noxious weeds and invasive non-native species have invaded many areas, and much more acreage is at risk from such invasion.

Approximately 650,000 people live in the CCDPA. There are approximately 8.5 million acres within the Planning Area boundaries, over 83 percent of which are administered by Federal agencies, including BLM (which manages 56 percent of the acreage), U.S. Forest Service (USFS), Bureau of Reclamation (BOR), Department of Defense (DOD) and Bureau of Indian Affairs (BIA). Approximately 1.5 million acres (17 percent of the total acreage) are privately owned. Less than .2% of the land within the CCDPA is owned by the State of Nevada.

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<sup>2</sup> NDCNR (Nevada Department of Conservation and Natural Resources). 2002 Nevada Natural Resource Plan.

<sup>3</sup> NDCNR (Nevada Department of Conservation and Natural Resources). 2002 Nevada Natural Resource Plan.

Primary land uses in the Planning Area include energy development, livestock grazing, mining, and many forms of outdoor recreation.

## **ANTICIPATED PLANNING ISSUES AND MANAGEMENT CONCERNS**

A planning issue is a matter of controversy over a well-defined resource management topic. Planning issues can generally be stated as resource management opportunities or problems that BLM needs to address to ensure multiple use resource management. While some concerns overlap issues, a management concern is generally of a program-specific nature and more important to an individual or group, as opposed to a planning issue, which has a more widespread point of conflict. Addressing management concerns in the RMP/EIS helps ensure a comprehensive examination of federal land use management. Management concerns will be modified as the planning process continues, and will not be addressed as thoroughly as an issue. One or more entities may be interested in a particular public land resource, and each entity may have different values regarding the resource.

Planning issues identify concerns that:

- Present unresolved questions regarding allocation of a specific resource;
- Present major land use conflicts regarding management or maintenance of a base resource;
- Can be resolved by BLM within the life of the plan;
- Have opportunities to be developed.

It is recognized that issues are subject to change throughout the planning process as new conditions or opportunities are identified and as the public becomes fully involved in the process. It is fully expected that new issues will be developed during the scoping process.

Each issue will be placed in one of three categories:

- Issues to be resolved in the plan;
- Issues resolved through policy or administrative action; and
- Issues beyond the scope of the plan.

### **ANTICIPATED PLANNING ISSUES**

BLM staff, individuals, and user groups have identified preliminary issues that reflect conflicts and/or problems with the existing RMPs. *These issues are preliminary and presented as questions that will be addressed through the RMP revision. We expect that these issues will be modified, new issues will be added, and others will be deleted through the public scoping process.*

#### **Issue No. 1: Restoring Ecological Health**

- What areas should BLM prioritize for restoration activities?
- Under what conditions should BLM use non-native plants in place of native plants for restoration activities?
- What descriptions should be developed for Desired Plant Communities?
- What criteria should BLM use to apportion the forage allocated among wildlife, livestock,

- and wild horses and burros?
- How will BLM manage areas occupied by invasive species to prevent their dominance and provide for desired plant communities?
- What areas should BLM prioritize for wetlands and riparian management?
- What criteria will be used to prescribe management actions in wetland and riparian areas?

**Issue No. 2: Air and Atmospheric Values**

- How will BLM protect the quality of air and atmospheric values, among others, and manage air resources?
- How will BLM address air quality in non-attainment areas or areas facing possible non-attainment designations?
- How will BLM address or adapt to the effects climate change has on the natural resources?
- How would the reasonably foreseeable activities under each alternative contribute to climate change?

**Issue No. 3: Water**

- How will BLM protect, maintain, or enhance water quality and quantity?
- How will BLM manage public lands to protect state-designated class waters and water bodies with state water quality standards?
- How will BLM manage Federally reserved & state appropriative water rights owned by the U.S.?

**Issue No. 4: Cultural Resources, Native American Concerns and Paleontology**

- How will the BLM develop and manage baseline information for cultural resources, Native American traditional use areas, and paleontological resources?
- How will BLM ensure management of cultural and paleontological resources for present and future generations in ways consistent with their scientific, educational, recreational, and traditional uses?
- How should cultural and paleontological sites, especially those open to interpretation and/or recreation, be monitored, preserved and protected?
- How will BLM ensure tribal access to natural and traditional resources?

**Issue No. 5: Visual Resource Management (VRM)**

- Based on a VRM inventory and management considerations for public land uses and allocations, how should VRM management classes be established?
- What are current and potential conflicts with managing VRM values and how can they be mitigated?

**Issue No. 6: Special Status Species (includes Threatened, Endangered and Sensitive Status Species)**

- How will BLM manage habitat of Special Status Species (SSS) found on public lands to ensure the continued existence of these species, including development of guidance criteria for habitat and species protection?
- What areas should be identified as important habitat for SSS?

- Is the current Carson wandering skipper ACEC boundary appropriate?
- Should the RMP identify a new Carson wandering skipper ACEC in the Hot Springs Mountain area?
- How should BLM manage historic Lahontan Cutthroat Trout (LCT) streams that are not identified in the LCT Recovery Plan, dated 1995?

**Issue No. 7: Fish and Wildlife**

- What are the criteria to be used in identifying and managing for suitable bighorn sheep areas?
- Fish and wildlife are considered a major use in Federal Lands Policy Management Act (FLPMA), how will fish and wildlife be proactively managed?
- How will BLM address wildlife species that pioneer into new areas?
- What criteria would be used by the BLM to authorize introductions, reintroductions or augmentations of wildlife and plant species?
- Should BLM continue to allow domestic sheep grazing in areas of historic or high potential bighorn sheep habitat?
- If problems exist between bighorn sheep and domestic sheep in the Planning Area, how will BLM manage those conflicts?
- How will bat species be managed?
- Should some or all streams capable or historically capable of supporting a fishery be managed primarily for that purpose?
- How should riparian and wetland areas be managed to maintain or enhance resource and habitat values in systems containing native fishes and/or introduced sport fishes and other aquatic species?
- How will BLM implement the State of Nevada Wildlife Action Plan?
- Which existing planning decisions for fish, wildlife and plants be carried forward into the new RMP?
- What measureable goals and objectives for priority wildlife, fish and rare plant species be developed for the planning area?
- How will the new RMP establish consistent treatment of migratory birds with national and regional goals and objectives?
- How will the development and refinement of priority and general sage grouse habitat be addressed within the District?

**Issue No. 8: Wild Horses and Burros**

- Should Herd Management Area (HMA) boundaries be adjusted, combined, returned to Herd Area status and no longer managed for Wild horse and burro maintenance?
- Which HMAs are suitable for the long-term management of wild horses and burros?
- What criteria should be used to make habitat and population suitability and viability determinations?
- What methods other than removal through gathers should be considered to achieve and maintain Appropriate Management Levels (AMLs)?
- Where are habitat improvement projects appropriate? What kinds of improvement projects are feasible? When is it appropriate to develop or augment water for wild horses and burros within HMAs?

- How should BLM address wild horse and burro urban interface issues?

### **Issue No. 9: Fire Management**

- What is the Appropriate Management Response (AMR) for all Public Lands and adjacent areas of the District with respect to resource protection and protection of life and property?
- Which areas of the District should be identified for managing natural-caused fire to meet resource objectives?
- What damage or impact to resources may result from fire suppression activities?

### **Issue No. 10: Livestock Grazing**

- How will BLM determine which areas are and are not available for livestock grazing?
- For areas that are deemed available to livestock grazing:
  - What livestock grazing management practices will be used to maintain and/or make progress towards achieving rangeland health standards?
- How will vacant allotments be managed?
- What criteria will be used to determine if livestock grazing is appropriate for newly acquired lands?
- What management objectives should BLM use to determine if forage for livestock is annually or seasonally available for non-renewable use permitting?
- What criteria should BLM use to determine if a request for temporary change to the terms and conditions of a preference-based permit has merit?
- What considerations should BLM take into account when evaluating a proposal to change the kind of livestock authorized to graze an allotment from cattle to sheep or vice versa?
- What criteria should BLM use to determine appropriate triggers and end-point indicators for incorporation into the terms and conditions of grazing permits, and when is it appropriate or necessary to include triggers/indicators in permits?
- How will BLM manage livestock grazing if invasive plant species or noxious weeds are present?
- How will BLM address grazing management needs that involve lands administered by more than one field office?
- What management criteria should BLM develop to resolve use conflicts (e.g. urban interface)?
- What triggers should BLM use for drought curtailment or adjustments to grazing?
- How will BLM address endangered or threatened species under the Endangered Species Act or special status species in the Planning Area where livestock grazing will occur?
- How will livestock trailing be addressed in NEPA (permit renewals) to ensure that effects are analyzed and uses are disclosed?

### **Issue No. 11: Recreation and Visitor Services**

- How will the Recreation Settings Characteristics (RSCs) framework that includes physical, social and operational settings be identified for the District?
- Within identified SRMAs, is there a need to further delineate specific recreation opportunities by creating Recreation Management Zones (RMZs)?
- In the identified SRMAs, what recreation management objectives are required to produce

and protect quality recreation opportunities and their related activities, experiences and outcomes?

- What are the recreation setting character conditions required to produce and sustain the targeted recreation opportunities?
- Which areas will be identified as Extensive Recreation Management Areas (ERMAs)?
- What are the recreation objectives for the Extensive Recreation Management Areas (ERMAs)?
- Should new recreation facilities be developed?
- Should areas be designated for specific recreation use (e.g. paragliding, recreational shooting areas and windsailing) and what criteria would be employed?
- How can historic linear features (trails, historically significant roads, railroad grades, etc.) be developed and maintained for recreational use while retaining the historical value of the features?
- What is the impact of recreational use in urban interface areas?
- What level of public awareness and education should be promoted for recreational opportunities?
- How should the BLM address threshold levels and locations for recreation activities?

#### **Issue No. 12: Lands and Realty**

- What existing withdrawals should be recommended to be continued, modified, or revoked? How would lands be managed if an existing withdrawal terminates?
- What lands should be recommended to be withdrawn from operation of the public land laws (e.g. saleable, locatable and leasable minerals)?
- Should the existing utility and Right-Of-Way (ROW) corridors be revised to provide for anticipated future needs? If so, what changes are needed?
- What areas, if any, should be identified for potential new communication site locations, renewable energy projects or other uses?
- What criteria will BLM use to identify ROW avoidance and/or exclusion areas?
- Are there areas that should be designated for ROW avoidance and/or exclusion areas?
- What criteria will BLM use to identify lands or interest in lands for acquisition?
- Which public lands should be identified for disposal? What criteria will be used to determine lands suitable for disposal?
- Should BLM identify lands available for specific types of disposal (e.g. R & PP, etc.)?
- How will BLM address the issue of “trespass town sites”?

#### **Issue No. 13: Mineral Resources (includes Oil, Gas, Geothermal, Coal, Saleable, Solid Leasable (except coal) and Locatable)**

- Where should protective constraints be included as a condition of land use authorizations? Possible constraints include, but are not limited to:
  - *No Surface Occupancy (NSO)* (To protect existing rights or fragile resources)
  - *Controlled Surface Use (CSU)* (To protect areas with erosive and fragile soils, watershed areas, special status species habitat, visually sensitive areas, nominated Areas of Critical Environmental Concern (ACECs), etc.)
  - *Timing Limitation* (To protect Off-Highway Vehicle (OHV) areas, sage grouse leks, deer winter ranges, etc.)

- Controlled Surface Use & Timing Limitation (To protect wildlife habitat, grazing allotments, HMAs, etc.)
- Should any areas be closed to oil, gas and geothermal leasing?
- How will BLM manage energy and mineral resources consistent with other public land uses?
- How will BLM identify hazards to the public and wildlife associated with inactive or abandoned mines or mining related activities?
- Should the BLM identify areas to be opened for mineral material disposal?
- What areas should be open to oil & gas and geothermal leasing?

**Issue No. 14: Hazardous Materials**

- How will BLM manage the use of hazardous material?
- How will BLM manage public lands within the Carson River Mercury CERCLA site under the multiple use mandate?

**Issue No. 15: Special Designations**

- What areas warrant special designation? Possible special designations include, but are not limited to:
  - ACECs
  - Wild Horse Ranges
  - Back Country Byways
  - National Historic Landmarks
  - National Historic Trails
  - Natural Areas
  - Wilderness Area(s)
  - Wild and Scenic Rivers
  - NLCS Units
  - Properties of Cultural and Religious Importance/Traditional Cultural Properties
- What citizen-proposed areas contain wilderness characteristics?
- How will existing special designations be managed and monitored?
- Are there existing special designation areas that need to be modified or removed?

**Issue No. 16: Renewable Energy**

- How can BLM accommodate development of renewable energy resources such as biomass, solar power, wind energy, and geothermal energy?
- What suitability criteria may be used for geothermal, biomass, solar and wind generation locations?

**Issue No. 17: Socio-Economics**

- What can BLM and collaborators do to enhance positive impacts that special land designations or recreational use and development might have on local communities?
- What are the economic effects from maintaining public lands on a sustainable level?
- What are the existing social and economic conditions of the communities and local or regional governments affected by this plan and how will they be affected by the RMP?

**Issue No. 18: Environmental Justice**

- How can BLM use Environmental Justice analysis to assist in the development and consideration of planning alternatives?
- How will BLM promote and provide opportunities for full involvement of minority populations, low-income communities and Tribes in BLM decisions that affect their lives, livelihoods, and health?

**Issue No. 19: Sustainable Development**

- How can BLM ensure coordination, consultation, and cooperation processes are in place and working effectively with partnerships and stakeholders?
- Are the RMP decisions economically viable and is the community and regional economy adequately considered?
- Is the viability of traditional and non-market activities in the community and surrounding area maintained or improved with the RMP decisions?

**Issue No. 20: Comprehensive Travel and Transportation Management**

- Will comprehensive travel and transportation network be addressed within the RMP or will it be addressed in a travel management plan developed concurrently with the RMP?
- Will travel management objectives (type of vehicle use, motorized vs non-motorized) be assigned to each road, primitive road and trail in the RMP process or will that be address later in activity level plans?
- Will travel and transportation planning address recreation needs for motorized and non-motorized travel separately from the motorized needs of other resource programs?
- Will the RMP establish guidelines for the designation of open, closed and limited motorized travel management areas with implementation decisions made in an activity level plan so that future needs can be addressed without amending the RMP?
- What tool or process such as Recreation Opportunity Spectrum or Recreation Setting Characteristics will the BLM use to evaluate and designate open, closed and limited travel management areas within the District?
- Will the RMP address BLM administrative access needs separately from public access needs across private lands?
- How will the RMP address the priority, frequency, and funding sources for maintenance of roads, primitive roads, or trails?
- Will the RMP provide guidelines for the construction of new roads or trails or the re-alignment of roads and trails due to private land or resource protection issues?
- Do existing road, primitive road, or trail maintenance agreements or right-of-ways between the BLM and private landowners or other agencies need to be updated and addressed in the RMP?
- Will the RMP identify areas to be managed for OHV use, establish threshold criteria, or travel restrictions on routes by type of motorized or non-motorized vehicle to reduce user conflicts?
- Are existing travel restrictions such as closed areas in ACECs or other designated sites still valid or adequate? Are there new areas in need of travel restrictions?
- How will access needs to public lands from the urban interface or areas of high population densities be assessed, designated and controlled?

- How will public access be provided and maintained for recreational uses such as bike, equestrian, and hiking trails, and OHVs such as single track and two track? Will the RMP establish criteria to designate these trails and uses permitted on each?

**Issue No. 21: Cave and Karst Resources**

- Does the District have any cave resources and karst resources ?

**Issue No. 22: Urban Growth**

- How will BLM address urban growth issue?
- How will urban interface issues be identified?
- How will the BLM address local government concerns with urban growth issues?

**Issue No. 23: Forest/Woodland Management**

- What are the characteristics (desired future conditions and historic range of variability) of a healthy forest/woodland within the planning units?
- What management tools and practices should be used to maintain healthy forest and woodlands (e.g. pinyon, juniper, aspen, mountain. mahogany, etc) conditions?
- How does the BLM manage for the values of forest and woodlands within the context of an overall ecological framework?
- How would BLM address commercial, non-commercial and tribal utilization of forest and woodland resources?

**MANAGEMENT CONCERNS**

**EXISTING DECISIONS TO BE BROUGHT FORWARD**

Many existing decisions remain appropriate for incorporation in the revised RMP. We need to assess existing decisions, and make a decision as to which should become part of the new document. These include:

- Decisions within the 2001 Carson City Field Office Consolidated Resource Management Plan
- Standards and Guidelines (developed by Resource Advisory Councils (RACs) for BLM)
- Conservation Plans (*e.g.* Sage Grouse)
- Multiple Use Decisions
- Biological Opinions
- Recovery Plans
- Migratory Bird Treaty Act (MBTA), Interim Management Guidelines (Instruction Memorandum (IM) 2008-050), Memorandum of Understanding (MOU) with the U.S. Fish and Wildlife Service (USFWS) and BLM (2010) .
- MOU with NDOW regarding bighorn sheep management
- Wilderness Study Areas managed under the Interim Management Policy (IMP) for Lands Under Wilderness Review (H-8550-1).

BLM should work with the RACs and other collaborators to expand upon and complement the Standards and Guidelines they developed to give more in-depth guidance and to address management guidelines to address other resource uses. Other resource uses and concerns that might be addressed include minerals, fire, recreation, wildlife habitat, special status

species habitat, rehabilitation activities, invasive species control, and lands (realty) activities.

### **CULTURAL RESOURCES**

BLM is responsible for active management of cultural resources, in addition to on-going compliance with Section 106 of the National Historic Preservation Act. BLM will address how to fulfill mandated tasks such as:

- Non-project inventories based on scientific research needs
- Site condition monitoring and reports
- Protecting sites from natural or human damage
- Preparing syntheses of known information
- Promoting public education

### **HAZARDOUS CONDITIONS ON PUBLIC LANDS**

- Abandoned Mine Land hazards need to be identified and remediated to ensure no potential dangers to public health and safety or unnecessary or undue environmental degradation remains.
- Unauthorized dumpsites on public lands need to be identified, the dumps cleaned up, and measures taken to make sure the problem does not recur.
- Remediation of known Hazardous Material (HazMat) should continue.
- Hot springs need to be identified, signed, and fenced.

### **NATIVE AMERICAN**

There is an on-going need to consult with Native American Tribes to ensure that their input is received in a timely manner so their concerns can be appropriately considered and to address Tribal access to resources and traditional use areas.

### **PROGRAM SPECIFIC REQUIREMENTS**

BLM will identify, develop, implement and monitor the effectiveness of resource-specific Best Management Practices (BMPs), stipulations, Standard Operating Procedures (SOPs), and Conditions of Approval (COAs) in order to ensure that potential adverse impacts as a result of land uses are adequately mitigated and to prevent unnecessary or undue degradation of the land.

### **LANDSCAPE PROTECTION**

BLM will identify, develop and implement criteria to address:

- Livestock management adjustments and allotment closures due to drought, fire, insects and/or other natural events
- Management of annual and invasive plant species such as red brome and cheat grass

### **PRELIMINARY PLANNING CRITERIA**

Planning criteria (43 CFR 1610.4-2) are the “side boards” or criteria that guide development of the plan. They ensure that plans are tailored to the identified issues and that unnecessary data collection and analyses are avoided. Planning criteria are generally based upon

applicable law, regulations, Director and State Director guidance, handbooks and manuals, as well as results of public participation and coordination with cooperating agencies, and other federal, state, and local governments and federally recognized Indian tribes.

The following preliminary criteria were developed internally. They will be available for public review during the scoping process. After public input is analyzed and, where appropriate, incorporated, they will become proposed criteria. These criteria can be added to or changed as issues are addressed or new information is presented. The Carson City District Manager must approve the planning criteria and any changes to them.

1. The revised Carson City District RMP will be in compliance with the Federal Land Policy and Management Act of 1976 (FLPMA) and all other applicable laws, regulations, and policy (see Appendix 2)
2. Impacts of the revised RMP will be analyzed in an EIS, developed in accordance with regulations at 43 CFR Part 1600 and 40 CFR Part 1500.
3. BLM will use a collaborative public process and multi-jurisdictional approach, where possible, to jointly determine the desired future condition of public land.
4. Other Federal, State and local agencies, including military departments, with jurisdiction by law or special expertise will be invited to participate in the planning process.
5. Lifestyles, concern, safety and health of area residents will be recognized in the Plan.
6. The Plan will recognize the State's responsibility to manage wildlife.
7. The Plan will recognize the State's authority to regulate air quality and adjudicate water rights.
8. The Plan will recognize the existence of valid existing rights. Lands covered in the RMP will be public land, including split estate, managed by BLM. Management decisions on lands not managed by BLM will not be made in the RMP. In addition to public land, the BLM administers mineral interests on other federal lands, including lands managed by the US Forest Service, US Bureau of Reclamation, and Department of Defense military withdrawn lands and manages federal mineral estate beneath private or state surface estates.
9. BLM will strive to ensure that decisions in the Plan are as consistent as possible with plans and policies of adjacent local, State, Tribal, and Federal agencies, within the parameters set by Federal law, regulations, and policy.
10. The RMP/EIS will incorporate management decisions that are brought forward from the existing RMP and amendments.

11. Native Americans will be consulted with in the development of the RMP and to develop strategies for the protection of recognized Native American traditional and cultural uses.
12. BLM, collaborative partners, and the contractor, will jointly develop alternatives for resolution of resource management issues.
13. The planning process will incorporate by reference the appropriate Standards and Guidelines (developed by the RACs) as approved by the State Director.
14. The State Historic Preservation Officers (SHPO) in Nevada and California will be consulted and involved throughout the planning/EIS process under provisions in the National Programmatic Agreement and the State [of Nevada and California] Protocol Agreements between BLM and SHPO.
15. Endangered species recovery plan goals, including plans for the reintroduction of endangered species and other species, will be addressed. In accordance with the Memorandum of Agreement on The Endangered Species Act (ESA) Section 7 Consultations and Coordination, dated August 30, 2004 BLM and USFWS will jointly prepare a programmatic consultation agreement.
16. Areas potentially suitable for ACEC or other special management designations will be identified and analyzed in the RMP/EIS.
17. The mineral development scenario will be based on mineral potential within the District, projected demand from the mineral industries, and the National Energy Plan. The planning process will address areas closed to mining, constraints to surface use, and post-mining land use.
18. BLM Handbook H-1624-1 Planning for Fluid Minerals will be followed in the development of fluid minerals determinations. Leasing stipulations requirements for exceptions, modifications and waivers will follow WO IM 2008-032.
19. Baseline Reasonably Foreseeable Management/Development scenarios (RFDs) will be developed based on historical, existing, and projected levels for all programs.
20. Lands identified for disposal prior to July 25, 2000 will be identified for disposal under the Federal Land Transaction Facilitation Act (FLTFA or “Baca Bill”).
21. The Plan will address transportation and access per guidance outlined in BLM Manual MS-1626.
22. Soil/vegetation correlations from Natural Resource Conservation Service (NRCS) Soil Surveys will be used to determine ecological site potentials as related to Ecological Site Descriptions. Ecological Site Inventory will be used to establish and document current vegetation conditions.

23. The NRCS Major Land Resource Areas (MLRA) will be used to describe ecological or range site vegetative potential.
24. Fire and fuels management strategies will be consistent with the 2009 Federal Wildland Fire Policy, and other handbooks, manuals and instruction memoranda in effect.
25. The RMP/EIS will be consistent with Homeland Security policies to the extent practicable.
26. For NEPA analysis purposes, the short-term will be 5 years, and the long-term will be 50 years. The Plan will be evaluated every 5 year to determine if amendments or revisions are necessary.
27. All data used in this Plan will be in electronic format or converted to electronic format. All graphic material will be in Geographic Information System (GIS) format.
28. GIS and metadata information will meet Federal Geographic Data Committee (FGDC) standards, as required by Executive Order (EO) 12906, signed April 11, 1994.
29. Other applicable BLM data standards will be followed. The goal is to develop a plan with spatial data that can be easily accessed for use in subsequent NEPA analyses.
30. The requirements to address sage-grouse, habitat and conservation as outlined in the National Sage-Grouse Habitat Conservation Strategy, WO IM 2012-043 and WO IM 2012-044, or most current guidance will be followed.
31. BLM will consider airspace use as well as military use of public lands in developing allocations and management guidance in the RMP Revision.
32. The Plan will consider the guidance for rights of way and corridors contained in WO IM 2002-196 or the most current guidance available. The plan will also consider setting resource management objectives (e.g. vegetation and wildlife) within designated corridors.
33. The plan will provide for management of renewable energy resources and oil/gas in accordance with current policy and guidance.
34. BMP's for all BLM management activities will be incorporated into the Plan.

## **DATA AND GIS NEEDS AND AVAILABILITY**

The Carson City District staff has identified available and needed GIS data that are required to provide baseline inventory and to document existing resource conditions to address resource issues and develop and analyze impacts of amendment alternatives. **Appendix 3: Data**

**Needs, Standards and Sources** summarize these data needs and provides a cost estimate for collecting the data.

The GIS maps are the building blocks to quantify resources. The GIS data is used to evaluate the spatial relationships of resources, analyze those relationships, and develop maps during alternative formulation. In some cases, existing resource information available in the Carson City District will be used in formulating resource objectives and management alternatives. Some of this data, however, needs to be updated, compiled and put into digital format for use in the planning process and development of resource maps for the RMP/EIS. In other cases new information needs to be collected, compiled, and put into digital form.

Not all of the available information is complete and accurate. Fieldwork is needed to update and fill data gaps and to fine tune information that is not precise (e.g., fence line locations). Any new data generated during the RMP will be used to address planning issues and will meet applicable established standards

## **GIS DATA NEEDS**

### **Water Resources**

- Areas of concern under the Clean Water Act and Safe Drinking Water Act as amended 1996
- Stream Surveys and long term monitoring data (for channel morphology and an assessment of geomorphic reach types)
- BLM water inventory (1980s) existing on paper maps. Needs to be digitized.
- Water Quality: class waters and water bodies with specific standards
- Water Quality: water bodies on the 303(d) list
- Water Rights: state appropriated rights and public water reserves
- Underground water basins
- Hot Springs > 120°F

### **Vegetation/Soils**

- Rangeland Condition & Trend – may need new data to support decisions for HMAs
- Ecological Site Inventory (ESI)/Ecological Condition – may need new data
- Monitoring Site Locations and Descriptions (i.e. Key Management Area, Critical Area, Utilization site, livestock vs. wildlife, etc.) - may need new data to support decisions for HMAs
- Site specific data to update the Landfire model
- Contract with NRCS for ecological site descriptions (state and transition models)
- County Soil Survey needs to be updated/revised by NRCS – data gap in CA
- Woodland and forest inventory – FORVIS- currently underway by BLM effort
- Juniper density data
- Identification of land that is not meeting or progressing towards meeting rangeland standards, and what the causal factors are (added rangeland health data points and update data tables with condition for photo trend and frequency).

### **Noxious Weeds/Invasive Species/Pests**

- Digitize survey and treatment data from old paper maps
- Complete metadata requirements for some shape files
- Create attribute tables for some shape files
- Coordinate and merge BLM-Nevada statewide and District weed data
- Collect up to date GIS from Nevada Department of Agriculture (pest control)
- Find or create a shape file identifying Cooperative Weed Management Areas (CWMA) boundaries
- There is a new National Weed Database coming on line in the near future and Nevada is one of the test states. New hard and software will be issued this year.
- Incorporate the new National Weeds Database system and equipment with our current state and local BLM systems.

### **Wetlands and Riparian Areas**

- Proper Functioning Condition (PFC) data. Geodatabase “RiparianPFC” exists and has the last ten years of data. Data from paper files prior to 2001 needs to be added.
- Site Vegetation (ecological site descriptions for riparian-wetlands and flood plains)

### **Cultural Resources, Native American Concerns and Paleontology**

- Class I report for entire District
- District-wide map of known cultural resource locations (NV and CA)
- Areas of sensitivity for Native American Concerns
- Known paleontological baseline data and geological formations
- Ethnographic synthesis for District
- National Register evaluations of historic trails / linear features within District
- National Historic Landmark and National Historic District synthesis
- Monitoring data to assess impacts from various activities (e.g. livestock)

### **Visual Resource Management**

- VRI shapefile will be available Winter 2011 (obtained Feb 2012)

### **Special Status Species (includes Threatened, Endangered and Sensitive Status Species)**

- Data from Nevada Natural Heritage Program (NNHP), Nevada Department of Wildlife (NDOW), The Nature Conservancy (TNC), USFWS
- Incorporated sage grouse core area data (NDOW developed)

### **Fish and Wildlife**

- Listing of all known species and preferred habitats within the District
- Great Basin Bird Observatory migratory bird monitoring data

### **Wild Horses and Burros**

- Current habitat inventory data (Forage and water availability and condition)
- Fence locations within HMAs (Fragmentation and limitations to free roaming behavior) – allotment fences

## **Fire Management**

- Fire Regime
- FRCC - (Condition Class)

## **Livestock Grazing**

- Rehabilitation Sites (including Emergency Stabilization and Rehabilitation [ESR]) – USGS was working on this – needs to be checked
- Pastures and use areas
- Range improvement projects by type (including wildlife exclosures) – needs to be converted into electronic format and some on the ground data gathering
- Grazing Allotments (verification of allotment boundaries—i.e. updated boundaries per Range-line Agreements, boundary fences, etc.)

## **Recreation**

- Location of heavily used motorized and non-motorized recreation areas (e.g. Moon Rocks, Canoe Hill)
- Nevada Tourism information
- Location of permitted OHV events
- Location of public safety concerns

## **Lands and Realty**

- Utility corridors
- Disposable Lands – evaluate and update
- Land Ownership
- Land Withdrawals and R & PP lands – GIS attributes/Geodatabase

## **Mineral Resources**

- Areas of high oil and gas, geothermal, coal, saleable, and solid leasable potential.
- Mine Plan project areas
- Abandoned mine lands

## **Hazardous Materials**

- Known CERCLA sites

## **Special Designations**

- Map existing special designations - geodatabase

## **Renewable Energy**

- Geothermal Potential
- Wind Power Potential
- Solar Potential
- Biomass Potential
- Existing major renewable ROWs

- Existing Geothermal Facilities
- Existing Geothermal lease areas

### **Socio-Economics**

- U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economic Information System income, employment and production data by industrial sector.
- Population data and trends from Nevada State Demographer
- Political, social, and community organization data and information from County and local government officials and community leaders

### **Environmental Justice**

- Nevada Directory of Native American Resources Social and economic information and tribal profiles
- Census data by county for minority populations and demographics
- US Department of Health and Human Services and US Department of Labor data on poverty income
- Data for the State of Nevada Job Training Office

### **Transportation Management**

- District Transportation Plan (Roads digitized) – FAMS has data
- Road, Primitive Road and Trail Transportation Network (motorized/non-motorized) – create a Ground Transportation Linear Feature (GTLF) geospatial database from existing and new inventory data. Refer to Technical Reference 9113-1 Planning and Conducting Route Inventories.
- Existing and needed signs

Existing data in the preceding 24 disciplines must be compiled for use in GIS. Spatial data already in a digital format must meet the same standards required for newly entered data. Geospatial data development assumptions are identified below.

## **GEOSPATIAL DATA DEVELOPMENT**

### Geospatial Data Development Assumptions:

The development of the geospatial data for this planning effort will be accomplished by the BLM and the Contractor and within the context of existing BLM data management strategies currently under development. Data development tasks performed by the Contractor will incorporate goals, objectives, mandatory policies, and procedures identified in national Federal governmental guidance and instructions regarding the use, development, and sharing of geospatial data and its management including the following:

- EO 12906 of 1994 – Coordinating Geographic Data Acquisition and Access: The National Spatial Data Infrastructure (NSDI).
- Office of Management and Budget (OMB) Circular A-16 & the expected revision.
- OMB Information Initiative of 2000 – “Collecting Information in the Information Age”.
- OMB Information Quality Guidelines – (Public Law 106-554; H.R. 5658)

Data development tasks performed by the Contractor will incorporate goals, objectives, mandatory policies, and procedures identified in national BLM guidance and instructions regarding the use, development and sharing of geospatial data and its management which include the following:

- Incorporate goals, objectives, mandatory policies, and procedures identified in Washington Office BLM planning guidance and other instructions regarding data management.
- BLM H-1601-1 Land Use Planning Handbook.
- BLM WO IM 2009-127 – Development and Approval of Preparation Plans for New Planning Starts.
- BLM WO IM 2001-029 – Interim Data Management Guidance
- BLM WO IM 2003-238 – Guidance for Data Management in Land Use Planning

GIS hardware/software resources assembled to support these planning efforts will be integrated and coordinated with:

- Bureau Architecture Design and Implementation, a national BLM initiative to define Information Technology processes, hardware, and software and implement the results as an enterprise system.
- BLM GIS Transition Strategy, a national BLM initiative to understand the existing situation and identify a strategy to transition the Bureau to the Enterprise GIS.

Geospatial Data Development Guidelines:

The following guidelines will be followed as the Contractor develops data for this planning effort:

1. Existing data will be used where possible and new data will be collected only where absolutely necessary. All new data will be collected to established data standards. Existing data will be converted to accepted and established data standards.
2. The development of redundant data will be avoided by extensive coordination with our data partners. Data from existing sources will be used when possible.
3. Data for this planning effort will be integrated into seamless corporate datasets.
4. The data standards strategy used will be the following:
  - a. Established national data standards will be used when available.
  - b. Data standards from other agencies will be adopted when appropriate.
  - c. Data standards will be jointly developed and documented with our statewide data partners as appropriate. Data category standards teams, which include state data stewards, resource specialists, and GIS specialists from BLM and other agencies, will be used as necessary. The national BLM data stewards will be included in the review process as appropriate.
5. All geospatial data used in this planning effort will be documented with FGDC compliant metadata.

6. Existing GIS-related agreements/partnerships will be used to supplement BLM resources for the data development and data integration efforts. Partners that are familiar with these datasets and that have a proven track record will be used.

### **GIS Data Management Tasks**

A brief overview of the specific data management tasks and processes is presented below.

1. External Coordination

District GIS/Geospatial Data personnel will continue to coordinate with our data partners through participation in Nevada GIS meetings and activities and coordinate with Nevada BLM. Coordination with other entities will continue to be accomplished as required. This task will be coordinated and lead by the District.

2. Data Inventory

This task includes cataloging available data sets and producing maps of data for evaluation by the resource specialists. A preliminary information needs assessment has been conducted to identify data requirements for this planning effort. See the Appendix 3.1-21 below for more information. This will be coordinated by the District and conducted by the District with Contractor assistance.

3. Data Acquisition

This task includes contacting data providers to request data and metadata. This data will then be added to BLM corporate GIS database. Metadata will be prepared or modified as necessary. This task will be lead and coordinated by the District Contracting Officer's Representative (COR) with Contractor assistance. The District staff will assist as necessary.

4. Data Development Process Outline

Nevada IM 2009-034 was developed to establish guidelines and responsibilities of the Data Stewards and Resource Specialists in the collection and placement of geospatial data into the Carson City District's corporate folders and to provide direction and clarification of GIS and Global Positioning System (GPS) issues for the Carson City District.

## **PARTICIPANTS IN THE PROCESS**

Many people are involved in revising a land use plan. These include BLM employees, contractors working on the project, other Federal agencies, State governmental agencies, local government, commercial interests, special interest groups, holders of BLM land use authorizations, and numerous other interested members of the public. The following is a description of the plan revision participants and their roles in the process.

### **BLM STAFF AND TEAM MEMBERS**

#### **State Director**

The Nevada State Director (SD) approves the Preparation Plan, approves the RMP/EIS, and signs the Record of Decision (ROD). The SD provides staff coordination and review, assists in protests; and provides scarce skill specialists for the interdisciplinary team.

#### **District Manager**

The Carson City District Manager (DM) sets priorities in relationship to other district workloads and provides overall direction of the RMP. The DM ensures that the final product responds to the issues and contains decisions that can be implemented. The DM keeps Nevada State Director up-to-date on progress, and helps to keep the process on schedule. The DM recommends that the Nevada State Director approve the Preparation Plan, the Draft RMP/Draft EIS, and the Proposed RMP/Final EIS.

#### **Division Managers**

The Division Managers (Field Managers, Fire Management Officer and Support Services Manager) set priorities in relationship to other office workloads and provide direction for the Core Team and Interdisciplinary Teams (IDTs). The Division Managers coordinate with other agency managers to ensure that management of lands and resources along agency administrative boundaries is done in a collaborative manner. With the Core and IDTs, the Division Managers help develop issues and questions, keeps the DM up-to-date on progress, and helps to keep the process on schedule.

#### **BLM Project Manager**

The Project Manager carries out day-to-day oversight to ensure that the RMP/EIS is developed according to established schedules, priorities, and budgets. This person recommends EIS Core Team and IDT priorities, briefs the DM and the State Director on progress throughout the process, and maintains the administrative record for the RMP/EIS. The Project Manager helps develop issues and questions, anticipates and proactively avoids problems, works directly with the Core Team and environmental contractor, and is responsible for ensuring that approved budgets for the RMP/EIS are allocated to this work effort.

#### **Core Team**

Members of the Core Team provide overall direction and management guidance to BLM Project Manager. In addition, the Core Team provides representation for key resources to ensure the RMP/EIS is developed in an interdisciplinary fashion and addresses all key issues.

Line managers on the Core Team make decisions based upon recommendations received from other Core Team members and the ID Team.

**TABLE 1 CORE TEAM**

|                 |                                                                 |                                            |
|-----------------|-----------------------------------------------------------------|--------------------------------------------|
| CHRIS MCALEAR   | DISTRICT MANAGER                                                | LEADERSHIP/OVERSIGHT OF RMP REVISION       |
| BRYANT SMITH    | ASSOCIATE DISTRICT MANAGER                                      | LEADERSHIP/OVERSIGHT OF RMP REVISION       |
| KEN SMIHULA     | ADM, SUPPORT SERVICES                                           | ID TEAM SUPPORT THROUGH STAFF              |
| TERRI KNUTSON   | FIELD MANAGER, STILLWATER FO                                    | ID TEAM SUPPORT                            |
| LEON THOMAS     | FIELD MANAGER, SIERRA FRONT FO                                  | ID TEAM SUPPORT                            |
| SHANE MCDONALD  | FIRE MANAGEMENT OFFICER                                         | ID TEAM SUPPORT                            |
| LISA ROSS       | PUBLIC AFFAIRS OFFICER                                          | ID TEAM SUPPORT/ASSIST WITH PUBLIC SCOPING |
| COLLEEN SIEVERS | PROJECT MANAGER                                                 | NEPA OVERSIGHT                             |
| BRIAN BUTTAZONI | SIERRA FRONT FO PLANNING & ENVIRONMENTAL COORDINATOR/e-PLANNING | NEPA OVERSIGHT                             |
| CHIP KRAMER     | STILLWATER FO PLANNING & ENVIRONMENTAL COORDINATOR/e-PLANNING   | NEPA OVERSIGHT                             |

**Interdisciplinary Team (IDT)**

Interdisciplinary Team Members attend all IDT meetings or conference calls; submit input for various components of the RMP/EIS in an interdisciplinary and coordinated manner; submit accurate and properly formatted input to the contractor; provide all submission by the assigned due date; coordinate and communicate with BLM staff specialists and specialists with other agencies to ensure that the RMP/EIS contains interdisciplinary, complete, and accurate information; consult with BLM Project Manager and their supervisor in advance of deadlines, in the event delays are anticipated or questions arise; assure an interdisciplinary approach is used by consulting with other resource specialists and support personnel; and provide information for maps at the appropriate scale and standards for publication and for use during the analysis.

**TABLE 2 INTERDISCIPLINARY TEAM**

| <i>TEAM MEMBER</i> | <i>RESOURCE RESPONSIBILITY</i>                                                                |
|--------------------|-----------------------------------------------------------------------------------------------|
| KATHRYN DYER       | LIVESTOCK GRAZING;ESR;VEGETATION;WEED MANAGEMENT                                              |
| JOHN WILSON        | FISH & WILDLIFE;SPECIAL STATUS SPECIES-ANIMAL & PLANT                                         |
| JOHN AXTELL        | WILD HORSE AND BURROS                                                                         |
| DAN ERBES          | SOLID MINERALS;MINERAL MATERIALS;HAZARDOUS MATERIALS;PUBLIC SAFETY, INCLUDING ABANDONED MINES |
| CHERYL DAVIS       | GIS SUPPORT                                                                                   |
| NIKI CUTLER        | HYDROLOGY;WATER QUALITY/QUANTITY;RIPARIAN;AIR QUALITY;SOILS                                   |
| KEITH BARKER       | WILDLAND FIRE ECOLOGY AND MANAGEMENT;FORESTRY                                                 |

|                 |                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| JIM CARTER      | CULTURAL RESOURCES/NATIONAL HISTORIC TRAILS;<br>PALEONTOLOGICAL RESOURCES;TRIBAL INTERESTS;<br>NATIVE AMERICAN CONSULTATION                                                                           |
| ERIK PIGNATA    | UTILITY CORRIDORS AND COMMUNICATIONS SITES;<br>TRANSPORTATION AND ACCESS;LAND TENURE; LAND<br>USE AUTHORIZATIONS;WITHDRAWALS;RENEWABLE<br>ENERGY-WIND & SOLAR                                         |
| DAN WESTERMEYER | RECREATION/WILDERNESS STUDY AREAS/TRAVEL<br>MANAGEMENT/ACECs/BACK COUNTRY BYWAYS;<br>WILD/SCENIC RIVERS;CAVE & KARST RESOURCES;VISUAL<br>RESOURCE MANAGEMENT;LANDS WITH WILDERNESS<br>CHARACTERISTICS |
| TBD             | FORESTRY                                                                                                                                                                                              |
| MIKE DAVIS      | TRANSPORTATION FACILITIES;SUPPORT SERVICES                                                                                                                                                            |
| ED KLIMASAUSKAS | FLUID MINERALS-INCLUDES GEOTHERMAL, OIL & GAS                                                                                                                                                         |
| TBD             | SOCIAL AND ECONOMIC CONDITIONS                                                                                                                                                                        |

*Internal Review of the Plan*

The IDT, the Core Team and both NSO and WO will review the RMP/EIS throughout its development, and meet with the contractor to continually refine the document and the analysis. Team members will submit review comments to BLM Project Manager by e-mail within the allotted timeframes. Comments will be reviewed and consolidated before submission to the environmental contractor.

*Accountability*

Individuals working on this RMP/EIS are accountable for completing their specific tasks on time. A smooth progression to each step requires this. Management and supervisors will be made aware of our progress. All efforts will be made by the Project Manager to keep team members and reviewers aware of the schedule and elapsed time. Being accountable for a job carries a responsibility for each individual involved to meet deadlines and to submit the best product possible. Any situations that occur in which a delay seem imminent will be resolved immediately by collaboration between the Team Leader and individuals involved. The objective will be to evaluate the circumstances, ensure all involved are aware of the impacts, and take actions to get the schedule and products on track again.

**GIS & Internet Coordinators - District Office & State Office**

Planning data needs will be systematically identified and their quality clearly documented as part of this planning effort. With the exception of protected or sensitive information, data being used in development of the RMP/EIS will be made accessible to members of the Core and IDTs. Upon issuance of the Draft RMP, data used in support of planning decisions will be made available, to the extent allowed, to all interested parties. All data used in support of planning decisions are to be considered corporate data. Corporate data require established quality control procedures so as to ensure data consistency and standardization.

All planning data will be stored and maintained so that they are readily available to all team members. As a minimum, data will be updated and archived at the time of the analysis of the management situation, issuance of the Draft EIS, the Final EIS, and the Record of Decision.

## **ePlanning**

In order to streamline the preparation and organization of land use planning documents, and make documents more easily accessible to the public, BLM has developed the web-based ePlanning system

([http://www.blm.gov/pgdata/content/wo/en/prog/planning/planning\\_overview/eplanning2.html](http://www.blm.gov/pgdata/content/wo/en/prog/planning/planning_overview/eplanning2.html)). As specified in a project Statement of Work, ePlanning will be used to facilitate working on shared planning documents by both the Contractor and BLM staff. The ePlanning system incorporates Arbortext Editor®, Documentum®, Comment Works®, ESRI ArcGIS® software, and TerraGo Map2PDF®, all accessible via a web based CITRIX® client. The Contractor will use ePlanning to develop and complete all work on planning and NEPA documents including writing/editing, reviews, comments, notifications, and archiving the administrative record, to the extent consistent with the functionality of the system.

Contractor will have knowledge of the enterprise relational geodatabase concept and a working knowledge of ESRI software.

In the event that ePlanning cannot be used, due to system problems, or some unforeseeable issue, the BLM will notify the contractor and provide copies of all documents from ePlanning to the contractor in MS Word or Adobe PDF format, as applicable, to allow progress to continue on schedule.

All planning documents and maps created within ePlanning will be reviewed by the BLM project manager/COR prior to submittal for Internet publication within the system. All documents submitted for Internet publication must be reviewed and approved by the BLM State Office Public Affairs Office, through the ePlanning system approval process, prior to publication on the Internet.

All contractors will use the ePlanning system on the internal BLM network though VPN, which requires the use of BLM-owned computers (to be coordinated by State Office and District IT and Planning Staff). Each Contractor using the system must complete specific security and training requirements prior to gaining access to ePlanning, BLM-owned computers, and the BLM network. This information is based on Nevada IM 2008-101, Requesting Background Investigations for Bureau of Land Management Employees and Contractors. The Security and training requirements are as follows:

### **Contractor background checks**

Contractors are required to obtain a low risk, non-sensitive background check, or National Agency Check with Inquiries (NACI), depending on the sensitivity of the data with which they will be working. This includes a check of employment, education, residence, law enforcement history, and references for each individual participating in the project. This will be performed by the Nevada BLM State Office Human Resources Department. Candidates can commence work with a favorable fingerprint check, providing that the NACI is being processed.

### **Active Directory Account**

The **1264-3** Statement of Responsibility and **1260-12** Login Access Request forms, along with

the three certificates of training completion documents for the courses listed above, must be sent to the local IT Security Manager (ITSM) who will request the local System Administrator (SA) to create an active directory account.

### **Computer Hardware and Software**

Hardware and software will be supplied by BLM for Contractors who will be using ePlanning. The computers are to only be used for this project and will have the following software installed:

- Standard RIS Image
- Windows XP Pro Operating System®
- MS Office 2010®
- CITRIX®
- Internet Explorer®
- VPN hardware or software and/or dial-up software

**NOTE: The first time a new user logs into their new machine, it must be directly connected to the BLM network.** This means in the event that a machine is given to a contractor to use, each machine must be logged on to **by that person** assigned the machine at a BLM office where the machine can be connected to the BLM network. This cannot be done through VPN.

### **Environmental Contractor(s)**

One or more contractors will be selected to gather new data, enter existing non-digitized data into GIS, analyze all data, and prepare the RMP/EIS. Each contractor will provide a Project Manager to serve as contact point and to be responsible for all aspects of the work. All contracted work will be done as specified in the Statement of Work and will be subject to BLM review and approval.

The contractor selected to prepare the RMP/EIS will manage the public participation for the process and be responsible for scheduling and managing all public scoping meetings, workshops, and public hearings. They will also be responsible for handling all mailings and notifications of public meetings, input deadlines, etc., associated with the public participation process. The contractor will be responsible for organizing data, ensuring all data is compliant with Federal metadata standards, and for ensuring that all GIS products, maps and tables are in suitable formats for displaying in text and in electronic format on the Internet. In conjunction with the IDT, the contractor will help to identify a reasonable range of alternatives for analysis (subject to BLM approval), and will be responsible for impact analysis and for writing, printing, and disseminating the Plan. Also, they will analyze public comments and draft initial responses to them.

## **AGENCIES AND STAKEHOLDERS**

### **Federal Agencies**

Certain Federal agencies will be closely involved in preparation of the RMP/EIS. These include:

*Neighboring BLM offices:* The District will coordinate with adjoining BLM offices to ensure that planning decisions match at our common boundaries.

*U.S. Forest Service:* BLM will coordinate with neighboring USFS offices to ensure that

planning decisions match, to the extent possible, at our common borders.

*U.S. Fish and Wildlife Service:* The proposed action and alternatives require consultation with the USFWS under the MBTA and under Section 7 of the Endangered Species Act. A Biological Assessment will be prepared in coordination with the USFWS and USFWS will give BLM a Biological Opinion regarding the Proposed RMP.

*Environmental Protection Agency (EPA)* – The EPA reviews the Draft Environmental Impact Statement (DEIS) and Final Environmental Impact Statement (FEIS) for adequacy under the regulations at 40 CFR 1500-1508.

Other potentially affected Federal agencies will also be consulted. These include:

*Bureau of Indian Affairs (BIA)*  
*Bureau of Reclamation (RECLAMATION)*  
*Federal Aviation Administration (FAA)*  
*Federal Emergency Management Agency (FEMA)*  
*Federal Highway Administration (FHWA)*  
*Natural Resource Conservation Service (NRCS)*  
*Animal Plant Health Inspection Service (APHIS)*  
*U.S. Army Corp of Engineers (ACOE)*  
*U.S. Navy (USN)*  
*U.S. Air Force (USAF)*

### **State Agencies**

During preparation of the RMP/EIS, several State agencies will be involved. Also, the DEIS and FEIS will be sent to the State Clearinghouse in accordance with the MOU between the State of Nevada and BLM. State agencies expected to be involved include:

*Agricultural Extension Service/Nevada Department of Agriculture*  
*Public Utilities Commission of Nevada (PUCN)*  
*Nevada Division of Environmental Protection (NDEP)*  
*Nevada Department of Transportation (NDOT)*  
*Nevada Department of Wildlife (NDOW)*  
*Nevada Division of Minerals (NDOM)*  
*State Historic Preservation Officer (SHPO)*  
*Western Association of Fish and Wildlife Agencies (WAFWA)*  
*Western Regional Corridor Study by Western Utility Group (WUG)*  
*Western Systems Coordination Council (WSCC)*  
*NV National Guard*

### **Native American Tribes**

Government to government coordination and consultation with the following Native American groups will begin upon issuance of the Notice of Intent, which initiates the scoping period.

*Fallon Paiute Shoshone Tribe*  
*Pyramid Lake Paiute Tribe*  
*Reno-Sparks Indian Colony*  
*Walker River Paiute Tribe*  
*Washoe Tribe of Nevada & California*

*Yerington Paiute Tribe*  
*Yomba Shoshone Tribe*  
*Susanville Indian Rancheria*  
*Bridgeport Indian Colony*  
*Lovelock Indian Colony*

### **Resource Advisory Council (RAC)**

RAC provide advice to BLM on various issues. We will work collaboratively with the Sierra Front - Northwest Great Basin RAC throughout the process, in particular, at times such as issue identification, alternative formulation, and impact analysis. We anticipate numerous briefings to the RAC.

### **State Historic Preservation Officer (SHPO)**

The planning process requires consultation with SHPO. This will be done in accordance with the Nevada BLM and SHPO State Protocol Agreement signed on October 26, 2009.

### **Local Governmental Agencies**

The RMP/EIS will be developed in collaboration with representatives from Washoe, Storey, Carson City, Douglas, Lyon, Churchill, Mineral, and Nye within Nevada, and Sierra, Alpine, Plumas, and Lassen within California county governments.

### **Other Stakeholders**

Additional stakeholders will be identified throughout the process. A mailing list of these organizations, agencies, interest groups, and interested members of the public will be compiled and maintained by the environmental contractor. Some possible stakeholders are listed below.

*Commercial land users*  
*Elected officials*  
*Energy developers*  
*Environmental organizations*  
*Federal, State and local agencies*  
*Fiber optic companies*  
*Historical Societies)*  
*Mining companies & organizations*  
*Nevada Archaeological Association*  
*Nevada Mineral Commission*  
*Permit holders*  
*Utility companies*  
*Ranchers*  
*Sportsmen's organizations*  
*Telecommunication companies*  
*Weed Districts*  
*Wild horse interest groups*  
*Wildlife organizations*  
*Wind energy interests*  
*Wilderness organizations*

## Cooperating Agencies

Before the planning process is formally initiated, Federal and state regulatory agencies and local governments will be asked to be cooperating agencies on this project. Possible cooperating agencies include but are not limited to:

*Nevada Department of Wildlife (NDOW)*

*Nevada Division of Minerals (NDOM)*

*State Historic Preservation Office (SHPO)*

*U.S. Fish and Wildlife Service (USFWS)*

*Natural Resource Conservation Service (NRCS)*

*Environmental Protection Agency (EPA)*

*U.S. Forest Service (USFS)*

*Counties of Washoe, Storey, Carson City, Douglas, Lyon, Churchill, Mineral, and Nye within Nevada, and Sierra, Alpine, Plumas, and Lassen within California*

*Nevada Division of Environmental Protection (NDEP)*

## FORMAT AND PROCESS FOR THE PLAN

### FORMAT

The format and contents of the RMP and EIS will comply with:

- The National Environmental Policy Act (NEPA), (42 USC 4321-4347)
- The Council on Environmental Quality (CEQ) regulations implementing NEPA (40 CFR Part 1500)
- Sections 201 and 202 of FLPMA (43 USC 1711 & 1712)
- Resource Management Planning regulations (43 CFR Subpart 1610)
- The Department of the Interior (DOI) Manual Part 516, Chapter 4 “Environmental Impact Statements”
- BLM NEPA Handbook, (H-1790-1)
- BLM Land Use Planning Handbook (H-1601-1)
- Other pertinent parts of the Departmental and BLM Manuals
- Current BLM guidance in the form of Washington Office and Nevada State Office Instruction Memoranda (IMs) and Information Bulletins (IBs).

Decisions in the existing Carson City Field Office Consolidated RMP and amendments will be reviewed and brought forward as appropriate. Also, the RMP/EIS will incorporate existing BLM management decisions from fire management plans, livestock grazing allotment management plans, wildlife habitat management plans, conservation/recovery plans for special status species, wild horse herd management area plans, recreation area management plans, Standards and Guidelines developed for BLM by the RACs, and other applicable plans.

The plan will describe the current management situation, and then identify desired future conditions to be maintained or achieved, management actions necessary to achieve objectives, and a schedule and a cost estimate for implementing the identified management actions.

## **PROCESS**

Preparation of the RMP/EIS will begin, starting with scoping and ending with issuance of a ROD. District personnel will oversee the contractor(s).

To the extent possible, the RMP/EIS will be based on existing information and professional judgment, supported by credible scientific information. Data needs (shown on page 16, GIS and Data Needs and Availability) require the collection of new data in order to produce a legally defensible RMP/EIS. Data standards and sources are shown in Appendix 3. The contractor will provide the RMP/EIS Core Team with proposals for techniques to address, measure, and analyze anticipated impacts from the proposed action and any alternatives being analyzed.

Coordination with other Federal agencies, public entities, and Tribal, State, local governments will occur as outlined in section III: D and E of the Land Use Planning Handbook H-1601-1. Collaborative planning will emphasize contact with local governments and with the Sierra Front-Northwest Great Basin RAC.

## **ALTERNATIVE FORMULATION**

A range of alternatives, including a No Action Alternative, will be developed in full collaboration with BLM staff and interested publics including responses to the identified issues. Each alternative will provide different solutions to issues and concerns identified through scoping. Alternatives will be realistic and implementable solutions to the issues and concerns. Sub-alternatives (alternatives within alternatives) may be identified if a portion of any alternative requires a variation in resource management methods.

## **PLAN PREPARATION SCHEDULE**

Once funding is received, the RMP Revision would take approximately four years (June 2011 to November 2015) to complete. Please reference Appendix 4 for a detailed schedule.

## **PUBLIC PARTICIPATION PLAN**

Agency and public participation are important parts of the planning process. All interested parties, whether local, statewide or national, will have opportunities for comment on all aspects of this RMP/EIS effort. This RMP/EIS will be prepared in close consultation with all appropriate Federal, State, tribal, County and local agencies, permit holders, environmental groups, and other private organizations and individuals.

Public participation opportunities for the major stages of the planning process are listed below. Every effort will be made to assure meaningful public involvement throughout the process. BLM Nevada State Office and Carson City District web sites and ePlanning site will provide information and solicit comments from interested members of the public. The following is a summary of public participation opportunities for this Planning effort.

### *Identify Issues, Planning Criteria and Management Concerns*

1. The Federal Register Notice of Intent (NOI), press releases, mailings and links between BLM

and the contractor's website will be used to disseminate information regarding the preparation of this RMP/EIS and will notify the public of upcoming scoping meetings, field trips and public comment meetings and deadlines.

2. Public scoping meetings will be organized and facilitated by the project contractor in order to gather input on issues and disseminate information on management concerns and planning criteria.

Formulate Alternatives

3. Public meetings will provide the mechanism to discuss alternatives and ensure that issues are adequately addressed.

Issue the Draft RMP/EIS

4. A Federal Register Notice of Availability (NOA) announcing the availability of the DEIS and news releases to local and regional media will initiate a minimum 90-day comment period.
5. The Draft RMP/EIS will be made available to interested publics and public meetings to gather verbal and/or written comments will be held in Carson City, Reno and at least one public meeting in each county during the public comment period.

Publish the Proposed Final RMP/EIS

6. The FEIS will be sent to those on the mailing list and to all those who participated in the planning process. The availability of the FEIS will be advertised in regional newspapers and other media with notice of a 30-day protest period.
7. Solicit Governor's consistency review (60 days).
8. Informal public input (written, verbal and e-mail) will be welcomed anytime during the process.

Respond to Protests

9. Protests will be resolved using established BLM processes.
10. If any significant change is made to the RMP/EIS in response to a protest, a Federal Register Notice will be published requesting public comment on the change(s).

Publish Approved Plan

11. Notify the public via news articles, e-mail, website and transmittal letters of the availability of the approved RMP/EIS/ROD.

## BUDGET

Appendix 5 provides a summary of the Proposed RMP/EIS Budget for years 2012, 2013, 2014 and 2015. Details of the proposed budget are shown in Appendix 5. The BLM labor budget for FY 2011 is limited to completing the statement of work for the contractor selection and preparation plan with additional funds to begin the contract. Actual RMP start will begin with scoping during FY 2012. This budget includes estimated costs associated with development of the Statement of Work; preparing, awarding, administering and paying for the contract(s) for, GIS input, and RMP/EIS preparation; as well as BLM work month and support costs. The total cost estimate is **\$5,066,000** for the approximately 5.0 million acres of public land within the District.

By contracting, we feel a contractor can “level the playing field” to provide a broader and fuller reading of public interests than other methods. In addition, a contractor will provide an unbiased assessment of the public interests involved. Rather than relying on a few public meetings and a postcard campaign of an organized group, the BLM, through contracting, will be able to better offer multiple ways to participate that will be comfortable and meaningful to the residents/partners. A contract will be able to identify citizen issues at their emerging stage of development when they are easiest to deal with.

Contractors have extensive experience in NEPA compliance, and can conduct social and economic assessments suitable for inclusion in this land use planning effort. Another benefit from contractors is their ability to develop social and economic criteria for decision making, as well as conduct analysis of alternatives from a social and economic perspective.

Data collection for the RMP/EIS may be from a variety of sources. These include contracts, approved Assistance Agreements, and other cooperative and collaborative venues, such as the Cooperative Ecosystem Study Unit (CESU) for the Great Basin through the University of Nevada, Reno. The types of data to be collected will be determined by BLM. Data collection that is not already underway through contract, agreement, or BLM efforts will be collected by the RMP/EIS contractor in accordance with the task orders.

**GLOSSARY**  
**With**  
**ACRONYMS AND ABBREVIATIONS**

**Abandoned Mine Lands** – lands where mining activity has taken place and the responsible party has abandoned the site without completing clean up and rehabilitation

**Allotment Management Plan (AMP)** – means a documented program developed as an activity plan, consistent with the definition at 43 U.S.C. 1702(k), that focuses on, and contains the necessary instructions for, the management of livestock grazing on specified public lands to meet resource condition, sustained yield, multiple use, economic and other objectives.

**Analysis of Management Situation (AMS)** – analysis of the existing situation; becomes the No Action Alternative of RMP/EIS

**Animal Plant Health Inspection Service (APHIS)** – Federal agency responsible for protecting and promoting U.S. agricultural health, administering the Animal Welfare Act, and carrying out wildlife damage management activities.

**Appropriate Management Level (AML)** – a level of use by wild horses or burros that results in a thriving natural ecological balance and avoids a deterioration of the range. (109 IBLA 118 API 1989)

**Areas of Critical Environmental Concern (ACEC)** – areas of public lands where special management attention is required to protect and prevent irreparable damage to important historic, cultural, or scenic values, fish and wildlife resources, or other natural systems or processes, or to protect life and safety from natural hazards. (43 CFR 1610.0-5)

**Baca Bill** – See FLTFA

**Biodiversity** – the diversity of living organisms considered at all levels of organization, including genetics, species, and higher taxonomic levels, and the variety of habitats and ecosystems as well as the processes occurring therein.

**Biological Crust** -- complex and fragile mosaics of living organisms -- algae, blue-green algae, bacteria, lichens, mosses, liverworts, and fungi -- that grow on or just below the soil surface

**Biomass** – the part of the given habitat consisting of living matter. Usually expressed as volume per unit area (*e.g.*, tons/acre)

**Collaboration, collaborative planning** – a cooperative process in which interested parties, often with widely varied interests, work together to seek solutions with broad support for managing public and other lands.

**Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)** – a law designed to ensure cleanup of hazardous waste dumps; assigns responsibility for control and cleanup of such wastes to those who generated or transported them or to those who own or operate hazardous waste facilities.

**Cooperating Agencies** – any Federal agency other than a lead agency that has jurisdiction by law or special expertise with respect to any environmental impact involved in a proposal or alternative; a State or local agency of similar qualifications; an Indian Tribe (by agreement with lead agency) when effects are on a reservation. (40 CFR 1508.5)

**Corporate Data** – electronic data and their derived applications, which are shared or exchanged across administrative units, used repetitively through time, applied in decision-making, and/or released to the public and others. Corporate data are official agency records and include all correspondence, memoranda, case files, photographs, and electronic records that BLM uses in connection with the transaction of business.

**Council on Environmental Quality (CEQ)** – established by Title II of NEPA to assist and advise the President in preparation of an annual Environmental Quality Report and stay abreast of trends in the quality of the environment.

**District Office** – BLM office responsible for on-the-ground management of public land. Includes both the Sierra Front and Stillwater Field Offices. In Nevada there are 6 District Offices.

**Draft Environmental Impact Statement (DEIS)** – a preliminary edition of an EIS that is made available for public review and comment

**Ecological Site Inventory (ESI)** – A resource inventory that involves the use of soils information to map ecological sites and plant communities and the collection of natural resource and vegetation attributes. The sampling data from each of these soil-vegetation units, referred to as site write-up areas (SWAs), become the baseline data for natural resource management and planning.

**Ecological Site Description** – A written narrative of the description of soils, climate, vegetation, uses, and potential of a kind of land with specific physical characteristics to produce distinctive kinds and amounts of vegetation.

**Endangered Species Act of 1973, as amended (16 U.S.C. 1531) (ESA)** – the law that provides a program to identify and conserve threatened and endangered species; to provide a means to conserve ecosystems upon which endangered and threatened species depend; and to provide a way to implement treaties and conventions. The Act requires that no action authorized on the public lands by BLM jeopardizes a threatened, endangered, or any species proposed for listing as threatened or endangered

**Environmental Impact Statement (EIS)** – a detailed written statement required by the National Environmental Policy Act when an agency proposed a major Federal action significantly affecting the quality of the human environment.

**Federal Geographic Data Committee (FGDC)** – a committee established by the Office of Management and Budget and chaired by the Secretary of the Interior. Its purpose is to coordinate the Federal government’s development of a National Geospatial Data Clearinghouse. (EO 12906, April 11, 1994)

**Federal Land Policy and Management Act of 1976 (FLPMA)** – Public Law 94-579, passed October 21, 1976. Provides much of BLM’s legislated authority, direction, policy, and basic management guidance, including a requirement that land use planning be done.

**Federal Land Transaction Facilitation Act (FLTFA)** – Title II of Public Law 106-248, passed on July 25, 2000. Provides for proceeds from the sale of public lands to be used for acquisition of privately owned in-holdings. The public land must have been identified for disposal when this Act was passed, and the owner of a private in-holding must have indicated a desire to sell to land or an interest in it. Also known as Baca Bill.

**Final Environmental Impact Statement (FEIS)** – the version of an EIS that is approved by the agency

**Fire intensity** – the heat released per unit of time for each unit length of the leading fire edge. In other words, how hot the fire is at the flaming front at a given time.

**Fire severity** – also known as “burn severity”. A qualitative assessment of the heat pulse directed toward the ground during a fire. Burn severity relates to large fuels and heavy fuel loadings, duff consumption, consumption of the litter and organic layer beneath trees and shrubs, and mortality of buried plant parts.

**Forage Reserves** – allotments or portions of allotments held in reserve for the purpose of offsetting the impacts to rangelands and permittees due to drought, insect infestations, wildfire, or other unplanned events affecting forage availability.

**Geospatial [or Geographic] Information System (GIS)** – a computer system capable of storing, analyzing, and displaying data and describing places on the earth’s surface.

**Global Positioning System (GPS)** – a global navigation satellite system (GNSS) developed by the United States Department of Defense. GPS is used in the collection of resource data.

**Great Basin Restoration Initiative (GBRI)** – national initiative whose mission is to restore the dynamic and diverse landscapes of the Great Basin for present and future generations

**Habitat Management Plan** – a written and approved activity plan for a geographical area of public lands, which identifies wildlife habitat management actions to be implemented in achieving specific objectives related to RMP/MFP (LUP) planning document decisions. Two

types: Sikes Act HMP is a plan prepared and implemented jointly with state wildlife agency under Sikes Act, Title II and non-Sikes Act HMP.

**Hazardous Materials (HazMat)** – any element, compound, mixture, solution, or substance which, when released to the environment, may present substantial danger to public health and welfare or the environment. (CERCLA, sec. 101 (10))

**Herd Area** – the geographic area identified as having been used by a wild horse herd as its habitat in 1971. [43 CFR 4700.0-5(d)] Herd areas are limited to areas of the public lands identified as being habitat used by wild horses and burros at the time of the passage of the Wild Free-Roaming Horses and Burros Act of 1971.

**Herd Management Areas (HMAs)** – those Herd Areas designated for long-term management of wild horses and burros (43 CFR 4710.3-1). Herd Areas become Herd Management Areas (HMAs) when the decision has been made that wild horses and/or burros can be managed for the long term within their habitat. The decision to a herd area for long-term wild horse and burro management is accomplished through the land use planning process by designating the area as a HMA.

**Herd Management Area Plan (HMAP)** – the Authorized Officer is required to prepare a Herd Management Area Plan (HMAP) or some other type of activity plan after a decision has been made to initiate long-term management of wild horses or burros within a herd area (43 CFR 4710.3-1). Where two or more related activities occur within an area containing a herd management area, a single coordinated plan can be prepared.

**Horizontal continuity** – the horizontal distribution of fuels at various levels or planes.

**Lahontan cutthroat trout (LCT)** – native Great Basin trout listed as a threatened species under the Endangered Species Act. Plans for the recovery of this species are being implemented in the Great Basin Region.

**Major Land Resource Areas (MLRA)** – interpretive units differentiated in terms of the climax plant community best adapted to a unique combination of prevailing environmental factors. These units are described as range or ecological sites. A range site is the product of all the environmental factors responsible for its development including soils, topography, climate and fire. Each site supports a native plant community typified by an association of species that differs from that of other range sites in the kind or proportion of species or in total production

**Memorandum of Understanding (MOU)** – a written agreement between BLM and another entity(ies) that confirms the use of cooperative policies or procedures to promote mutual endeavors.

**Metadata** – data about data; for example, time and date of data collection, methods used, persons who collected the data, etc.

**Migratory Bird Treaty Act (MBTA)** – signed in 1918, and amended in 1936, 1974, and 1989; the domestic law that implements the United States commitment to four international conventions (with Canada, Mexico, Japan, and Russia) for the protection of migratory birds.

**Multiple Use** – management of public lands and resource values so they are utilized in the combination that best meets the present and future needs of the American people, with consideration given to the relative values of the resources and not necessarily to the uses that will give the greatest economic return or unit output (43 CFR 1601.0-5 (f))

**Native American Graves Protection and Repatriation Act of 1990 (NAGPRA)** – public law that requires consultation with appropriate Indian tribes prior to the excavation of human remains, funerary objects, sacred objects, or objects of cultural patrimony on federal lands.

**National Training Center (NTC)** – BLM training center in Phoenix, AZ

**National Environmental Policy Act of 1969 (NEPA)** – law enacted to declare a national policy to encourage productive harmony between humans and their environment, promote efforts to prevent or eliminate environmental damage, enrich understanding of ecological systems and natural resources, and establish the CEQ.

**National Historic Preservation Act (NHPA)** – law that requires consideration of the effects of federally regulated undertakings on cultural resources

**Natural Resource Conservation Service (NRCS)** – agency responsible for preparing soil surveys and developing range site descriptions in the major lands and resource areas (MLRA); formerly Soil Conservation Service-

**Nevada Division of Environmental Protection (NDEP)** – State agency responsible for protecting and enhancing the environment of the state in order to protect public health, sustain healthy ecosystems and contribute to a vibrant economy.

**Nevada Department of Wildlife (NDOW)** – State agency responsible for managing wildlife within the State of Nevada

**Nevada Natural Heritage Program (NNHP)** – an organization whose mission is to help coordinate the resource needs of Nevada's diverse biological heritage with human activities. They maintain an inventory and current databases on the locations, biology, and conservation status of all threatened, endangered, and sensitive species and biological communities in the state.

**Nevada State Office** – BLM office over the Nevada Field Offices, including Carson City

**No Surface Occupancy (NSO)** – a fluid minerals leasing constraint that prohibits occupancy or disturbance on all or part of the lease surface to protect special values or uses. Lessees may exploit the fluid mineral resources under the leases restricted by this constraint through use of directional drilling from sites outside the NSO area.

**Off-highway vehicle (OHV)** – motorized vehicles capable of traveling off of existing roads and trails; also called ORVs (off road vehicles)

**Proper functioning condition (PFC)** – streamside riparian areas are functioning properly when adequate vegetation, large woody debris, or rock is present to dissipate stream energy associated with high water flows. Elements indicating proper functioning condition such as avoiding accelerating erosion, capturing sediment, and providing for groundwater recharge and release are determined by the following measurements as appropriate to the site characteristics: Width/Depth ratio; Channel roughness; Sinuosity of stream channel; Bank stability; Vegetative cover (amount, spacing, life form); and Other cover (large woody debris, rock).

Natural spring, seeps, and marsh areas are functioning properly when adequate vegetation is present to facilitate water retention, filtering, and release as indicated by plant species and cover appropriate to the site characteristics.

**Reasonably Foreseeable Development (RFD)** – changes, expansion, or improvements that might be expected to occur in a given area, barring unforeseen circumstances; used in cumulative impact analysis.

**Resource Advisory Council (RAC)** – advisory committees established under authority of FLPMA to provide recommendations to BLM authorized officer on issues related to public land management (43 CFR 1784 and 4180.2). The Northeastern Great Basin and Mojave-Southern Great Basin Resource Advisory Councils are collaborators on this RMP

**Resource Management Plan (RMP)** – a land use plan, as described by FLPMA, that generally establishes land allowable resource uses, areas designated for restricted use, general management constraints, general implementation sequences, and monitoring standards; not a final implementation decision on actions that require further steps (43 CFR 1601.0-5 (k)).

**Right-Of-Way Avoidance Areas** – areas designated in the RMP where rights of way will be allowed only under extenuating circumstances and with special mitigation

**Right-Of-Way Exclusion Areas** – areas designated in the RMP where rights-of-way will not be allowed

**Right-Of-Way Use Areas** – areas where rights-of-way may be allowed subject to standard stipulations and to mitigation identified in the environmental analysis

**Special Status Species (SSS)** – includes proposed, listed, and candidate species under the ESA, as well as State-listed species and BLM State Director-designated sensitive species. (See BLM Manual 6840, Special Status Species Policy)

**State Historic Preservation Officer (SHPO)** – State officer with responsibilities under State law and under Section 101 (b)(3) of the National Historic Preservation Act to advise and assist

as appropriate, Federal and State agencies and local governments in carrying out their historic preservation responsibilities and to consult with the appropriate Federal agencies in accordance with the Act on Federal undertakings that may affect historic properties, and the content and sufficiency of any plans developed to protect, manage, or reduce or mitigate harm to such properties.

**The Nature Conservancy (TNC)** – a national, non-profit organization, founded in 1951 to preserve the plants, animals and natural communities.

**U.S. Forest Service (USFS)** – managers of the Humboldt-Toiyabe National Forest Lands adjacent to BLM-managed lands in the District

**U.S. Fish and Wildlife Service (USFWS)** – an agency of the Department of Interior. Its mission is to conserve, protect, and enhance fish and wildlife and their habitats. The FWS manages more than 530 national wildlife refuges, enforces federal wildlife laws, and administers the Endangered Species Act as well as the Migratory Bird Treaty Act.

**Vertical arrangement** – the relative heights of fuels above the ground and their vertical continuity, which influences fire reaching various levels or strata. (Surface fuels vs. aerial fuels, and their relationships to one another)

**Western Association of Fish and Wildlife Agencies (WAFWA)** – a quasi-governmental organization of public agencies, founded in 1922. Charged with protection and management of fish and wildlife resources in the western part of the United States and Canada. Currently, there are 23 members (Alaska, Alberta, Arizona, British Columbia, California, Colorado, Hawaii, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, Saskatchewan, South Dakota, Texas, Utah, Washington, Wyoming, and the Yukon). The Association has been a key organization in promoting the principles of sound resource management and the strengthening of federal, state, and private cooperation in protecting and managing fish and wildlife and their habitats in the public interest.

**Wild Horse and Burro Ranges** – HMAs designated to be managed principally, but not exclusively, for wild horse or burro herds. An HMA may be considered for designation as a wild horse or burro range when there is a significant public value present, such as unique characteristics in a herd or an outstanding opportunity for public viewing. The Authorized Officer may only establish a wild horse or burro range after a full assessment of the impact on other resources and the degree of public acceptance (43 CFR 4710.3-2).

**Washington Office (WO)** – the headquarters office of the Bureau of Land Management

**Wildfire** – an unwanted wildland fire.

**Wildland Fire** – any non-structure fire, other than a prescribed fire, that occurs in the wildland.

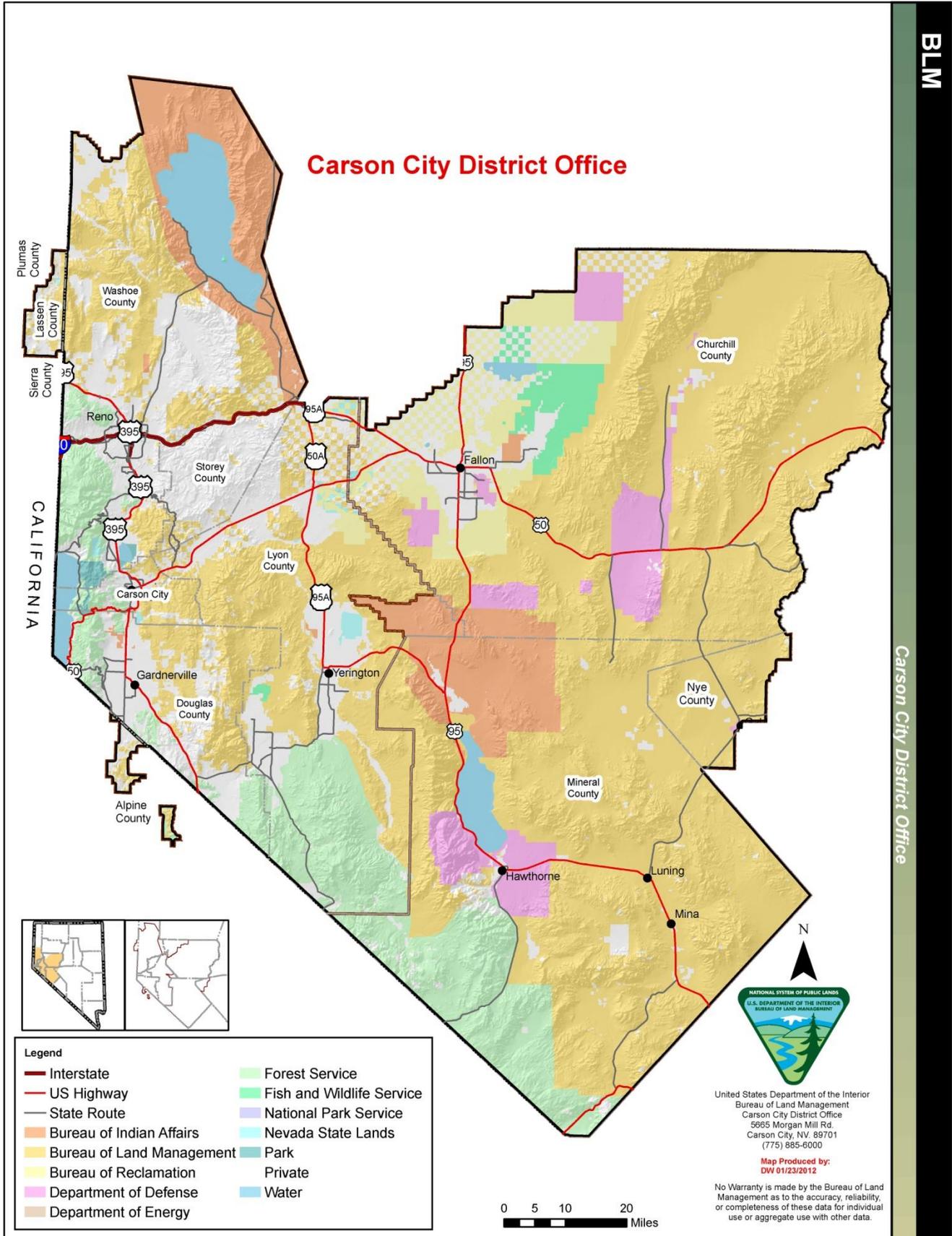
**Wildland-Urban Interface (WUI)** – the line, area, or zone where structures and other human development meet or intermingle with undeveloped wildland or vegetative fuel.

**Withdrawal** – the closure of public land to certain activities by formally excluding the land in question from the operation of public land and mineral laws specified in the withdrawal order. A **de facto withdrawal** is a closure (segregation) of public lands that remains after the reason for the segregation no longer exists (e.g., closed Desert Land Entries).

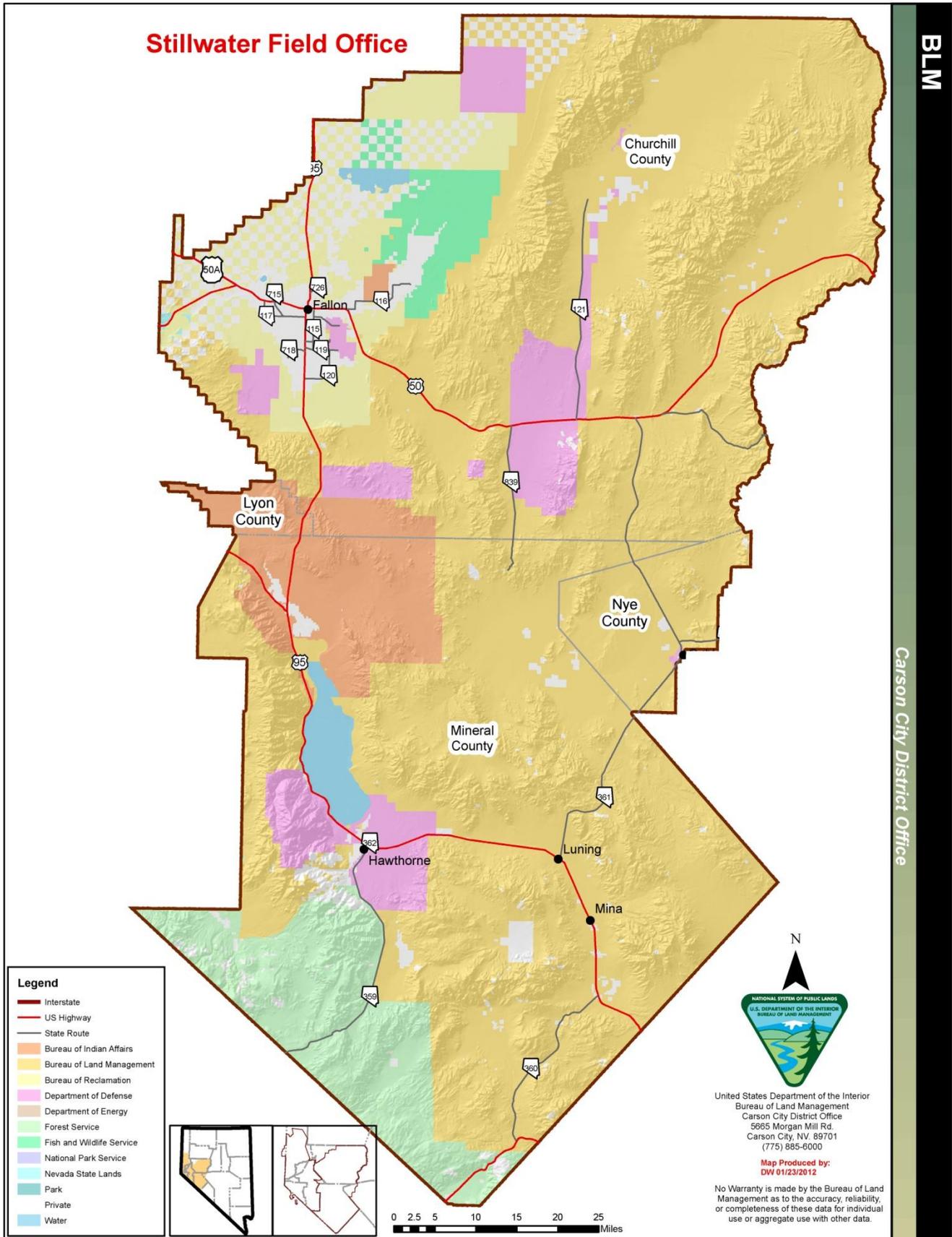
**Wilderness** - an area meeting the definition contained in Section 2 (c) of the Wilderness Act of 1964 that has been formally designated by Congress as part of the National Wilderness Preservation System.

**Wilderness Study Area** – a roadless area or “island” that has been inventoried and found to have wilderness characteristics as described in Section 603 of FLPMA and Section 2 (c) of the Wilderness Act of 1964.

# APPENDIX 1 - CARSON CITY DISTRICT MAP



# STILLWATER FIELD OFFICE MAP

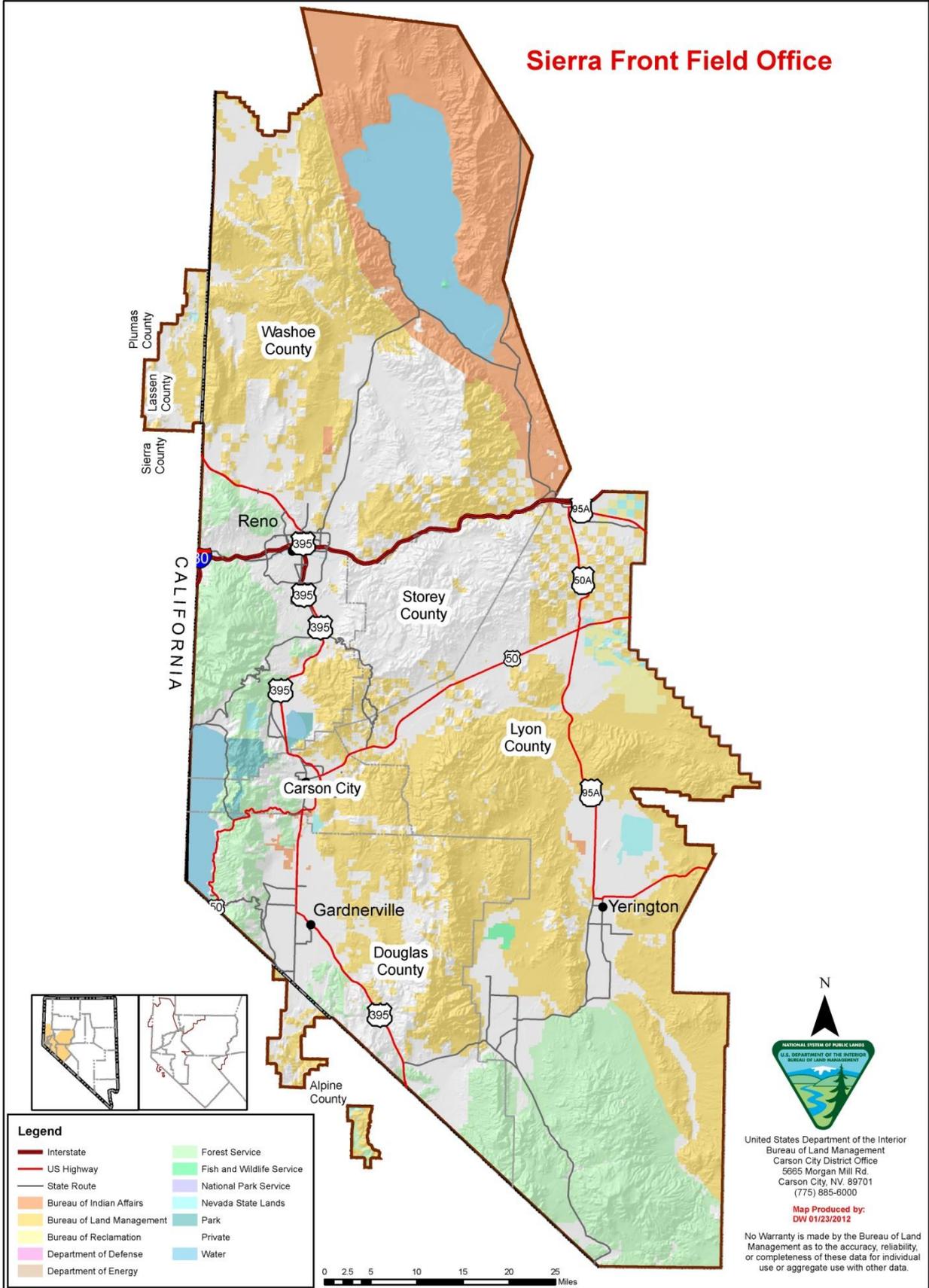


# SIERRA FRONT FIELD OFFICE MAP

## Sierra Front Field Office

BLM

Carson City District Office



## **APPENDIX 2**

### **LAWS, EXECUTIVE ORDERS, AND OTHER GUIDANCE**

The following is a partial list of laws, Executive Orders, and other guidance that will be followed in development and implementation of the revised RMP.

#### **Laws**

- American Indian Religious Freedom Act of 1978 (P.L. 95-341; 92 Stat. 469; 42 U.S.C. 1996)
- American Antiquities Act of 1906
- Archaeological Resources Protection Act of 1979, as amended
- Clean Air Act (1955), as amended (P.L. 84-159)
- Clean Water Act of 1987, as amended
- Comprehensive Environmental Response, Compensation and Liability Act of 1980
- Consolidated Appropriations Act of 2012
- Desert Land Act, as amended (Act of March 3, 1877)
- Emergency Planning and Community Right to Know Act of 1986
- Endangered Species Act of 1963, as amended
- Farmland Protection Policy Act
- Federal Insecticide, Fungicide, and Rodenticide Act (1996)
- Federal Land Policy and Management Act of 1976
- Federal Land Transaction Facilitation Act of 2000 (BACA Bill)
- Federal Noxious Weed Act of 1973, as amended
- General Mining Law of 1872
- Lacey Act
- Migratory Bird Treaty Act
- Mining and Minerals Policy Act of 1970
- Native American Graves Protection and Repatriation Act of 1990, as amended
- National Materials and Minerals Policy, Research and Development Act of 1980
- National Environmental Policy Act of 1969
- National Historic Preservation Act of 1966, as amended
- The Wild and Free-Roaming Horse and Burro Act of 1971
- Public Rangeland Improvement Act of 1978
- Resource Conservation Recovery Act of 1976
- Safe Drinking Water Act Amendments of 1996
- Solid Waste Disposal Act (1965)
- Southern Nevada Public Lands Management Act (P.L. 105-263)
- Superfund Amendments and Reauthorization Act (1986 – amends CERCLA)
- Surface Mining Control and Reclamation Act of 1977
- Sikes Act, as amended (1978)
- Taylor Grazing Act of 1934
- Toxic Substances Control Act (1976)
- Wild and Scenic Rivers Act (1968)
- Wilderness Act of 1964
- National Energy Policy Act

### **Executive Orders (EO)**

- EO 13287 Preserve America (March 3, 2003)
- EO 13212 Actions to Expedite Energy-Related Projects (May 18, 2001)
- EO 13186 Responsibilities of Federal Agencies to Protect Migratory Birds (January 11, 2001)
- EO 13175 Consultation and Coordination with Indian Tribal Governments (November 9, 2000)
- EO 13148 Greening the Government through Leadership in Environmental Management (April 21, 2000)
- EO 13112 Invasive Species (February 3, 1999)
- EO 13007 Indian Sacred Sites (May 24, 1996)
- EO 12898 Federal Actions to Address Environmental Justice (February 11, 1994)
- EO 12580 Superfund Implementation (February 23, 1987)
- EO 12372 Intergovernmental Review of Federal Programs (July 14, 1982)
- EO 12088 Federal Compliance with Pollution Control Standards (October 13, 1978) amended by EO 12580
- EO 12906 of 1994 Coordinating Geographic Data Acquisition and Access: The National Spatial Data Infrastructure (NSDI)
- EO 11988 Floodplain Management (May 24, 1977)
- EO 11990 Protection of Wetlands (May 24, 1977)
- EO 11991 Protection and Enhancement of Environmental Quality (May 24, 1977)
- EO 11514 Protection and Enhancement of Environmental Quality (March 5, 1970) amended by EO 11991
- EO 13514 Green House Gas Emissions
- EO 11644 Use of Off-Road Vehicles on the Public Lands (February 8, 1972)
- EO 11989 Off-Road Vehicles on Public Lands (May 24, 1977)

### **Plans, Reports, and MOUs**

- Resource Advisory Council Standards and Guidelines  
Sierra Front-Northwest Great Basin RAC
- National Strategic Plan for Management of Wild Horses and Burros on Public Lands (May 2000)
- Nevada Wild Horse and Burro Tactical Plan (2001)
- Nevada Sage Grouse Conservation Strategy
- Nevada Bat Conservation Plan
- BLM Special Status Species Policy
- Programmatic Agreement Among The Bureau Of Land Management, The Advisory Council On Historic Preservation, and The National Conference Of State Historic Preservation Officers Regarding The Manner in Which BLM Will Meet Its Responsibilities Under The National Historic Preservation Act (March 26, 1997)
- Memorandum of Agreement on the Endangered Species Act Section 7 Consultations and Coordination (August 30, 2000) – provides for BLM and U.S. Fish and Wildlife Service to jointly prepare a programmatic consultation agreement

- MOU with NDEP (1992) – conferred the authorities and responsibilities to BLM of Designated Planning and Management Agency relative to non-point source control for water quality protection on BLM-managed public lands in the State of Nevada.
- MOU with EPA (April 30, 2008)
- Nevada Community Wildfire Risk/Hazard Assessment Project Mineral County (2004)
- Nevada Community Wildfire Risk/Hazard Assessment Project Churchill County (2004)
- Nevada Community Wildfire Risk/Hazard Assessment Project Lyon County (2004)
- Nevada Community Wildfire Risk/Hazard Assessment Project Storey County (2005)
- Nevada Community Wildfire Risk/Hazard Assessment Project Douglas County (2005)
- Nevada Community Wildfire Risk/Hazard Assessment Project Washoe County (2005)
- Carson City Community Wildfire Protection Plan (2009)
- Landscape Scale Wildland Fire Risk/Hazard/Value Assessment Churchill County NV (2007)
- Landscape Scale Wildland Fire Risk/Hazard/Value Assessment Douglas County NV (2008)
- Landscape Scale Wildland Fire Risk/Hazard/Value Assessment Carson City NV (2008)
- Landscape Scale Wildland Fire Risk/Hazard/Value Assessment Mineral County NV (2009)
- Landscape Scale Wildland Fire Risk/Hazard/Value Assessment Storey County NV (2009)
- Landscape Scale Wildland Fire Risk/Hazard/Value Assessment Washoe County NV (2009)
- Landscape Scale Wildland Fire Risk/Hazard/Value Assessment Lyon County NV (2009)

### APPENDIX 3

## Data Needs, Standards, and Sources

### Carson City District RMP Revision

| 1<br>Resource <sup>1</sup> | 2<br>Needed<br>Data Set(s) <sup>2</sup> | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup> | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|----------------------------|-----------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
| Baseline Data              | County boundaries                       | Yes                                                          | GIS Data Review/Updates Needed, including California Data.    | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                            | Field Office boundaries                 | Yes                                                          | GIS Data Review/Updates Needed, including California Data.    | 0                                                                     | Yes<br>Yes                                                      | Unknown                                              | Unknown                                                           |
|                            | District Office & Field Office          | Yes                                                          | GIS Data Review/Updates                                       | 0                                                                     | Yes                                                             | BLM National                                         | Yes                                                               |

<sup>1</sup>RESOURCE – The Resource with a data requirement. Develop resources derived from anticipated planning questions/decisions to be made (see Appendix C, Land Use Planning Handbook H-1601. This is the driver for all the analyses required and therefore for the data needed to conduct the analyses.

<sup>2</sup> NEEDED DATA SETS – The specific data needed to address the planning question. What GIS maps need to be constructed to address the questions listed in Column AU List all required. In other words, list what maps you need to compare or analyze to resolve the planning questions. Each planning question normally will have at least one GIS theme tied to it. Each theme is listed in a separate row, next to the planning question to which it pertains

<sup>3</sup> DATA SET AVAILABLE? – Is there existing data or new data yet to be collected or acquired? What data sets are needed to create the themes listed in Column BU Each GIS theme will have at least one data set tied to it. Where more than one, each data set is listed in a separate cell, in the row corresponding to the GIS theme it supports.

<sup>4</sup> DATA APPROPRIATENESS? – Is the data suitable and appropriate for the intended use? Does it meet the requirements for the business needs?

| 1<br>Resource <sup>1</sup> | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                        | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                        | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|----------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
|                            | boundaries<br>(now known<br>as<br>Administrativ<br>e Units<br>(Boundaries<br>) |                                                              | Needed,<br>including<br>California Data.                                                                                                             |                                                                       |                                                                 |                                                      |                                                                   |
|                            | Geographic<br>place names                                                      | Yes                                                          | California data<br>needed                                                                                                                            | 0                                                                     | Yes                                                             | USGS<br>Geographic<br>Names<br>Information<br>System | Yes                                                               |
|                            | Indian<br>reservation<br>boundaries                                            | Yes                                                          | GIS Data<br>Review/Updates<br>Needed. Land<br>Status<br>discrepancies<br>must remedied<br>by GCDB<br>comparisons.<br>California Data<br>also needed. | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                            | National<br>Park/<br>Monument<br>boundaries                                    | Yes                                                          | GIS Data<br>Review/Updates<br>Needed. Land<br>Status<br>discrepancies<br>must remedied<br>by GCDB<br>comparisons.<br>California Data<br>also needed. | 0                                                                     | N/A                                                             | Unknown                                              | Unknown                                                           |
|                            | State<br>boundaries                                                            | Yes                                                          | GIS Data<br>Review/Updates<br>Needed. Land                                                                                                           | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup> | 2<br>Needed<br>Data Set(s) <sup>2</sup> | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup>    | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|----------------------------|-----------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------|
|                            |                                         |                                                              | Status discrepancies must be remedied by GCDB comparisons. California Data also needed.                                      |                                                                       |                                                                 |                                                         |                                                                   |
|                            | Town locations                          | Yes                                                          |                                                                                                                              | 0                                                                     | Yes                                                             | Unknown                                                 | Unknown                                                           |
|                            | USFS boundaries                         | Yes                                                          | GIS Data Review/Updates Needed. Land Status discrepancies must be remedied by GCDB comparisons. California Data also needed. | 0                                                                     | Yes                                                             | NV IM 2004-007 (11/6/2003) Land Status Standard for GIS | Yes                                                               |
|                            | DEM                                     | Yes                                                          |                                                                                                                              | 0                                                                     | Yes                                                             | U.S.G.S.                                                | Yes                                                               |
|                            | Quad Index                              | Yes                                                          |                                                                                                                              | 0                                                                     | Yes                                                             | Unknown                                                 | Unknown                                                           |
|                            | Precipitation/<br>Climatic Data         | Yes                                                          |                                                                                                                              | 0                                                                     | Yes                                                             | Unknown                                                 | Unknown                                                           |
|                            | Digital Raster Graphics                 | Yes                                                          |                                                                                                                              | 0                                                                     | Yes                                                             | U.S.G.S.                                                | Yes                                                               |
|                            | DOQQ                                    | Yes                                                          |                                                                                                                              | 0                                                                     | Yes                                                             | U.S.G.S.                                                | Yes                                                               |
|                            | NAIP - Color IR                         | Yes                                                          |                                                                                                                              | 0                                                                     | Yes                                                             | NRCS                                                    | Unknown                                                           |
|                            | Public Land Survey System               | Yes                                                          |                                                                                                                              | 0                                                                     | Yes                                                             | Unknown                                                 | Unknown                                                           |
|                            | GCDB                                    | Yes                                                          |                                                                                                                              | 0                                                                     | Yes                                                             | National                                                | Yes                                                               |

| 1<br>Resource <sup>1</sup>                                     | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                                           | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                                     | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
|                                                                |                                                                                                   |                                                              |                                                                                                                                                                   |                                                                       |                                                                 | Integrated<br>Lands System                           |                                                                   |
|                                                                | Shaded<br>Relief                                                                                  | Yes                                                          |                                                                                                                                                                   | 0                                                                     | Yes                                                             |                                                      |                                                                   |
| Water<br>Resources<br>(Management<br>Concerns)                 | Hydrography                                                                                       | Yes, as part of the<br>National<br>Hydrography<br>Dataset    | NA                                                                                                                                                                | 0                                                                     | Yes                                                             | Hydrography                                          | Unknown                                                           |
|                                                                | Stream<br>Surveys                                                                                 | Yes                                                          | Acquire NDOW<br>Data                                                                                                                                              | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                                | Floodplains                                                                                       | Partial                                                      | Acquire data<br>from local<br>county or FEMA                                                                                                                      | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
| Water<br>Resources<br>(Issues under<br>Resource<br>Protection) | Water<br>Inventory                                                                                | 1980s Inventory-<br>Paper Maps                               | GIS Data<br>Development<br>Needed. Digitize<br>data from paper<br>maps, National<br>Hydrologic data<br>set                                                        | 0                                                                     | Yes                                                             | Riparian,<br>Wetland, and<br>Aquatic<br>Location     |                                                                   |
|                                                                | Water<br>Quality -<br>Class waters<br>Water bodies<br>with specific<br>water quality<br>standards | No                                                           | GIS Data<br>Development<br>Needed. Input<br>available<br>inventory data;<br>acquire<br>additional data<br>from USGS &<br>NDEP, National<br>Hydrologic data<br>set | 0                                                                     | No                                                              | NA                                                   | NA                                                                |
|                                                                | Water<br>Rights/PWR<br>Inventory                                                                  | Partially                                                    | National<br>Hydrologic data<br>set                                                                                                                                | 0                                                                     | No                                                              | NA                                                   | NA                                                                |

| 1<br>Resource <sup>1</sup>                                                                 | 2<br>Needed<br>Data Set(s) <sup>2</sup>                  | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                           | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
|                                                                                            | Underground<br>Water Basins                              | Yes                                                          | Acquire data<br>from NV<br>Division of<br>Water<br>Resources                                                                                            | 0                                                                     | Unknown                                                         | Unknown                                              | Unknown                                                           |
| Rangeland<br>Vegetation<br>(Issues under<br>Resource<br>Protection and<br>Resource<br>Use) | ESI Data<br>/Ecological<br>Condition                     | Partially                                                    | GIS Data<br>Development<br>Needed. Enter<br>all upcoming<br>ESI data into<br>GIS; digitize ESI<br>that is mapped<br>but not<br>incorporated<br>into GIS | Developed<br>thru<br>contract<br>with NOC<br>about<br>\$400k total    | Yes                                                             | Vegetation<br>Classification<br>Standard<br>(FGDC)   | No                                                                |
|                                                                                            | Rangeland<br>Veg. Types/<br>Range Site<br>Identification | Partially                                                    | Data collection,<br>updated<br>models, models<br>ran for various<br>scenarios,                                                                          | Use above<br>data                                                     | Yes                                                             |                                                      | Yes                                                               |
|                                                                                            | Monitoring<br>Sites                                      | Partially                                                    | GIS Data<br>Development/up<br>dates needed.<br>Data being<br>developed with<br>the national<br>level AIMS,<br>REA data will be<br>available             | 0                                                                     | No                                                              |                                                      | No                                                                |
| Soils                                                                                      | Soils<br>(SSURGO)                                        | Yes                                                          | Acquire<br>California Data                                                                                                                              | 0                                                                     | Yes                                                             | NRCS                                                 | Yes                                                               |
| Forest and<br>Woodlands                                                                    | Historic and<br>existing                                 | Partially                                                    | GIS Data<br>Development/up                                                                                                                              | 0                                                                     | No                                                              | Vegetation<br>Classification                         | Partially                                                         |

| 1<br>Resource <sup>1</sup>                       | 2<br>Needed<br>Data Set(s) <sup>2</sup>                         | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                 | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|--------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
|                                                  | Forest & Woodlands mapped by species (aspen, mahogany, PJ, etc) |                                                              | dates needed. Existing from vegetation data, Historic by comparing veg. data with soils data. |                                                                       |                                                                 | Standard (FGDC)                                      |                                                                   |
|                                                  | Forest Pests and Pathogens                                      | Yes                                                          | Acquire NDF data and update GIS with current information                                      | 0                                                                     | Unknown                                                         | Unknown                                              | Unknown                                                           |
| Weeds                                            | Noxious weed database                                           | Partial                                                      | National dataset with the NISMS database available                                            | 0                                                                     |                                                                 |                                                      |                                                                   |
| Noxious Weeds /Invasive Species/Pests            | Survey and treatment areas                                      | Partial                                                      | GIS Data Development/Updates Needed. Digitize from old maps; GIS updates for current files    | 0                                                                     | No                                                              | National Weed Database                               | Not yet                                                           |
|                                                  | NDOA data (pests)                                               | No                                                           | N/A - Collect                                                                                 | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                  | CWMA boundary                                                   | No                                                           | Create or find a shape file                                                                   | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
| Wetlands and Riparian Areas (Management Concern) | Wetland and Riparian inventory and PFC ratings                  | Partially digitized. Paper maps and files also available.    | GIS Data Development from the REA data                                                        | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
| Cultural Resources (Issues under                 | Historic trails, other linear features (see                     | Yes                                                          |                                                                                               | 0                                                                     | No                                                              | NLCS                                                 | Yes                                                               |

| 1<br>Resource <sup>1</sup>                                                               | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                                                                  | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially                                                                                      | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                                           | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
| Resource Protection; also a Management Concern) ) (Proprietary – not for public release) | Baseline)                                                                                                                |                                                                                                                                                   |                                                                                                                                                                         |                                                                       |                                                                 |                                                      |                                                                   |
|                                                                                          | Cultural sites/surveys : Locations of resources; predictive models                                                       | Partial –NVCRIS coverage + District-wide site data. Only about 10% surveyed                                                                       | GIS Data Development/Updates Needed Additional limited survey; synthesis of existing information                                                                        | 0                                                                     | Yes                                                             | In Progress                                          | Being devised                                                     |
|                                                                                          | Historic Trails / Linear features: Locations and National Register evaluations                                           | Partial – Some in GIS database – digitized at NVSO at 1:250,000, District data at 24,000 Partial Database shared by BLM, SHPO, and other agencies | GIS Data Development/Updates Needed Additional limited survey; synthesis of existing information; preparation of Management Plans. Acquire from NPS?                    | 5000                                                                  | Yes                                                             | NLCS Data Boundary GIS Standards                     | Unknown                                                           |
|                                                                                          | Gnomon GIS database for Nevada (Database shared by SHPO, BLM, and other Federal agencies): CCDO GIS database in progress | Yes                                                                                                                                               | GIS Data Development/Updates Needed Need to Integrate data categories so databases can be cross-referenced. Add missing fields, (e.g. National Register determinations, | 0                                                                     | No                                                              | Unknown                                              | Yes                                                               |

| 1<br>Resource <sup>1</sup>                                                                  | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                                                 | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                         | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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|                                                                                             | Regional<br>overview –<br>Compilation<br>&<br>interpretation<br>of existing<br>information<br>(Class 1) | Partially                                                    | Smithsonian<br>#s): fill database<br>gaps<br><br>GIS Data<br>Development/U<br>pdates Needed<br>Regional<br>synthesis using<br>already<br>collected data<br>(e.g.. sites,<br>eligibility,<br>potential use,<br>protection<br>needs, fieldwork<br>needs); full<br>Class I needed;<br>Synthesis of all<br>existing cultural<br>resource data;<br>prehistoric /<br>historic land use<br>data; veg. /<br>soils/<br>hydrological<br>data; Use<br>category<br>determinations | Included<br>within the<br>contract                                    | No                                                              | Unknown                                              | Unknown                                                           |
| Native<br>American<br>Concerns<br>(Issue under<br>Resource<br>Protection)<br>(Proprietary – | Tribal<br>Boundary<br>Locations                                                                         | Yes                                                          | GIS Data needs<br>to be cleaned of<br>PIV and<br>incorporated<br>into eGIS.<br>Recently<br>Received from                                                                                                                                                                                                                                                                                                                                                              | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                                                                              | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                                  | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                        | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup>                                                                      | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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| not for public<br>release)                                                                              |                                                                                          |                                                              | NSO                                                                                                  |                                                                       |                                                                 |                                                                                                                           |                                                                   |
|                                                                                                         | Location of<br>sacred sites<br>& other areas<br>of<br>importance                         | No                                                           | Comprehensive<br>District<br>Ethnography<br>needed                                                   | Included<br>within the<br>contract                                    | Unknown                                                         | Unknown                                                                                                                   | Unknown                                                           |
|                                                                                                         | Location of<br>traditional<br>plant<br>gathering<br>areas<br>(Locations &<br>Uses)       | No                                                           | Comprehensive<br>District<br>Ethnography<br>needed                                                   | Included<br>within the<br>contract                                    | Unknown                                                         | Unknown                                                                                                                   | Unknown                                                           |
|                                                                                                         | PCRI's:<br>Locations<br>and<br>designations                                              | No                                                           | Comprehensive<br>District<br>Ethnography<br>needed                                                   | Included<br>within the<br>contract                                    | Unknown                                                         | Unknown                                                                                                                   | Unknown                                                           |
| Paleontology<br>(Issue under<br>Resource<br>Protection)<br>(Proprietary –<br>not for public<br>release) | PFYC's for<br>district based<br>on known<br>resources<br>and<br>geological<br>formations | Partial - None                                               | GIS Data<br>Development/U<br>pdates PFC<br>guidance from<br>regional<br>Paleontologist;<br>GIS model | 0                                                                     | Unknown                                                         | Unknown                                                                                                                   | Unknown                                                           |
| Visual<br>Resource<br>Management<br>(Management<br>Concern)                                             | Visual<br>Resource<br>Management<br>(VRM)<br>classes                                     | Yes<br>VRI maps<br>completed 2011                            | GIS Data<br>Development/U<br>pdates Needed.<br>Current VRI<br>being completed                        | 0                                                                     | Yes for VRI                                                     | BLM –<br>Integrating<br>GIS<br>technologies<br>with the VRM<br>Inventory<br>Process –<br>Tech. Note<br>407 (Nov.<br>2001) | Yes                                                               |

| 1<br>Resource <sup>1</sup>                                                                                                                             | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                    | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                          | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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| Special Status<br>Species<br>(includes<br>Threatened,<br>Endangered,<br>and Sensitive<br>Status<br>Species)<br>(Issue under<br>Resource<br>Protection) | Historic &<br>present<br>species<br>location and<br>habitat/<br>home range | No                                                           | Acquire data if<br>need<br>determined:<br>NNHP/NDOW,<br>USFWS, ETC;<br>enter into GIS                                                  | 0                                                                     | Yes                                                             | Unknown                                              | No                                                                |
|                                                                                                                                                        | Critical and<br>important<br>habitat                                       | Partially                                                    | Acquire data:<br>NDOW, NNHP<br>and other Enter<br>into GIS                                                                             | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                                                                                                                        | Population<br>census,<br>NDOW and<br>other                                 | No                                                           | Acquire Data if<br>need<br>determined:<br>NDOW or<br>NNHP Enter<br>into GIS                                                            | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                                                                                                                        | Recovery<br>Plans, CAS,<br>etc.                                            | No                                                           | Acquire Data if<br>need<br>determined:<br>NDOW - Enter<br>into GIS                                                                     | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                                                                                                                        | Habitat<br>condition<br>surveys                                            | Partially                                                    | GIS Data<br>Development/U<br>pdates Needed.<br>NDOW/BLM<br>Enter into GIS.<br>2011/2012<br>Students are<br>acquiring data in<br>field. | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                                                                                                                        | SSS Habitat<br>Improvement<br>s (Vegetation<br>treatments,<br>etc.)        | Partially                                                    | GIS Data<br>Development/U<br>pdates Needed.<br>Review with fire,<br>rehab and range                                                    | 1500                                                                  | Yes                                                             | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                                      | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                   | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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|                                                                 |                                                                           |                                                              | staffs. Electronic                                                                                                                           |                                                                       |                                                                 |                                                      |                                                                   |
| Fish and<br>Wildlife<br>(Issue under<br>Resource<br>Protection) | Historic &<br>present<br>species<br>location and<br>habitat/home<br>range | Partially                                                    | Acquire Data:<br>NDOW, NNHP,<br>USFWS,<br>OTHER Enter<br>into GIS                                                                            | 4000                                                                  | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                                 | NDOW<br>stream &<br>population<br>surveys                                 | Partially                                                    | Acquire data:<br>NDOW, BLM<br>Enter into GIS                                                                                                 | 1500                                                                  | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                                 | BLM stream<br>habitat<br>condition                                        | No                                                           | GIS Data<br>Development/U<br>pdates Needed<br>NDOW, BLM.<br>Spot check for<br>quality control of<br>product. PFC<br>database may<br>apply.   | Included<br>within the<br>PFC data                                    | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                                 | Listing of all<br>Wildlife<br>species and<br>known<br>habitats in<br>CCDO | No                                                           | Acquire Data<br>Development<br>tied to the<br>habitat data.<br>Transfer data<br>wildlife habitat<br>data inventory<br>available from<br>NDOW | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                                 | Sage Grouse<br>-Critical &<br>important<br>habitat                        | Partially                                                    | Acquire Data<br>Development/U<br>pdates Needed<br>Use NDOW and<br>BLM data                                                                   | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                             | 2<br>Needed<br>Data Set(s) <sup>2</sup>           | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>            | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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|                                                        |                                                   |                                                              | Convert to GIS. Currently being completed under the sage grouse contract |                                                                       |                                                                 |                                                      |                                                                   |
|                                                        | Population census, NDOW & other                   | Partially                                                    | Acquire NDOW & NNHP<br>Convert available data to GIS.                    | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                        | NDOW past & future transplants, etc.              | No                                                           | Acquire NDOW<br>Enter data into GIS.                                     | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                        | NDOW Big Game Mgt. Plans                          | No                                                           | Acquire data.<br>NDOW Enter data into GIS.                               | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
| Wild Horses & Burros (Issue under Resource Protection) | HMA and HA boundaries                             | Yes                                                          | GIS Data updates needed.                                                 | 0                                                                     | Yes                                                             | NSO HMA Standard                                     | HMA's Yes<br>No (lacks tables)                                    |
|                                                        | Historic census & distribution data               | Yes paper. Not in GIS                                        | GIS Data Development/Updates Needed                                      | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                        | Current wild horse and burro inventory data       | Yes paper. Not in GIS                                        | GIS Data Development/Updates Needed                                      | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                        | Current Habitat Inventory Data (Forage and water) | Partially. Not in GIS                                        | GIS Data Development/Updates Needed<br>Extrapolate from recent           | Landfire – Use the same information from range                        | No                                                              | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                                    | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                                                        | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                                                         | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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|                                                               | availability<br>and<br>condition)                                                                              |                                                              | evaluations.<br>Estimate for the<br>rest based on<br>range site<br>descriptions.<br>Compilation of<br>existing<br>inventory,<br>range, PFC and<br>other data – in<br>house staff work |                                                                       |                                                                 |                                                      |                                                                   |
|                                                               | Population<br>dynamics,<br>animal<br>characteristic<br>s, health, age<br>structure, sex<br>ratios,<br>genetics | Partially. Not in GIS                                        | GIS Data<br>Development/U<br>pdates Needed                                                                                                                                            | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
| Fire<br>Management<br>(Issue under<br>Serving<br>Communities) | Fire<br>Management<br>Units -<br>polygons<br>(FMUs)                                                            | Yes                                                          |                                                                                                                                                                                       | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                               | Fire History<br>(includes fire<br>point data)                                                                  | Yes                                                          |                                                                                                                                                                                       | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                               | Fire Regime                                                                                                    | Partially                                                    | GIS Data<br>Development/U<br>pdates Needed<br>Use LANDFIRE<br>Data to<br>complete                                                                                                     | Use<br>Landfire<br>data                                               | Yes                                                             | Unknown                                              | Unknown                                                           |
|                                                               | FRCC<br>(Condition                                                                                             | Partially                                                    | GIS Data<br>Development/U                                                                                                                                                             | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                                                 | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                            | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                                                                                                        | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup>      | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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|                                                                            | Class)                                                                             |                                                              | updates Needed                                                                                                                                                                                                                       |                                                                       |                                                                 |                                                           |                                                                   |
|                                                                            | Planned /<br>Existing<br>Fuels<br>Projects –<br>Fuels<br>Treatments                | Yes                                                          | Update data                                                                                                                                                                                                                          | 0                                                                     | Yes                                                             | Unknown                                                   | Unknown                                                           |
|                                                                            | Special<br>Protection/<br>Priority Areas<br>- associated<br>with FMUs              | Yes                                                          | Areas need to<br>be identified by<br>the Resources<br>Staff – work with<br>staff to obtain<br>areas                                                                                                                                  | 0                                                                     | Yes                                                             | Unknown                                                   | Unknown                                                           |
| Livestock<br>Grazing<br>(Several<br>Issues under<br>Recreation<br>heading) | Livestock<br>Grazing<br>history,<br>existing<br>permit info,<br>use areas,<br>etc. | Partially                                                    | GIS Data<br>Development/U<br>pdates Needed<br>Digitize past<br>allotment<br>evaluations that<br>implemented<br>use areas;<br>stocking rates;<br>ensure recent<br>decisions that<br>include use<br>areas are<br>placed in GIS<br>data | 0                                                                     | Not inputted,<br>but available                                  | Unknown                                                   | Unknown                                                           |
|                                                                            | Range<br>Improvement<br>s by type<br>(including<br>wildlife<br>enclosures)         | Partially                                                    | GIS Data<br>Development/U<br>pdates Needed<br>Records search,<br>field GPS, MTP<br>search and<br>reference back                                                                                                                      | 0                                                                     | No                                                              | NV IM 2006-<br>031 Range<br>Improvements<br>Data Standard | Partially                                                         |

| 1<br>Resource <sup>1</sup>                                       | 2<br>Needed<br>Data Set(s) <sup>2</sup>       | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                               | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup>                                        | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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|                                                                  |                                               |                                                              | to project files                                                                                                                            |                                                                       |                                                                 |                                                                                             |                                                                   |
|                                                                  | Pasture and Allotment Boundaries              | Yes                                                          | GIS Data Updates Needed. Records search (i.e. Range line agreements, project files, MTPs, etc.) plus GPS; field work required – corrections | 0                                                                     | Yes                                                             | IM 2010-076                                                                                 | No                                                                |
| Recreation<br>(Several<br>Issues under<br>Recreation<br>heading) | Developed sites                               | Partially                                                    | GIS Data Development/Analysis Needed                                                                                                        | 0                                                                     | No                                                              | Unknown: There is a national inter-agency trails data standard in progress through the FGDC | Unknown: Trail data content and data transfer standard            |
|                                                                  | Existing signage                              | No                                                           | GIS Data Development/Analysis Needed<br>Field inventory                                                                                     | 5000                                                                  | No                                                              | Unknown                                                                                     | Unknown                                                           |
|                                                                  | Popular recreation areas (Non-developed)      | Partially                                                    | GIS Data Development/Analysis Needed<br>GPS recreation use areas; enter into GIS                                                            | 1000                                                                  | No                                                              | Unknown                                                                                     | Unknown                                                           |
|                                                                  | Recreation Opportunity Spectrum (ROS) classes | No                                                           | GIS Data Development/Analysis Needed<br>Analyze & interpret field                                                                           | 20000                                                                 | No                                                              | Unknown                                                                                     | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                  | 2<br>Needed<br>Data Set(s) <sup>2</sup>                                    | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                                                        | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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|                                             |                                                                            |                                                              | data                                                                                                                                                                                 |                                                                       |                                                                 |                                                      |                                                                   |
|                                             | Quality of recreation                                                      | No                                                           | GIS Data Development/A nalysis Needed Community & user feedback & surveys data and analysis                                                                                          | 15000                                                                 | No                                                              | Unknown                                              | Unknown                                                           |
| Lands and Realty (Issue under Resource Use) | Lands and Land Interests that have been acquired                           | Partially                                                    | GIS Data Development/A nalysis Needed Conf. w/ other Res. Specs.; LR2000                                                                                                             | 5000                                                                  | No                                                              | Utilities Data Standard – FGDC/NSDI                  | No                                                                |
|                                             | Withdrawals; Segregations and withdrawals to be terminated                 | Partially                                                    | GIS Data Development/ LR2000                                                                                                                                                         | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                             | Land status – surface (public, private, withdrawals, de facto withdrawals) | Yes                                                          | GIS Data Development/A nalysis Needed Including CA. Yes De facto withdrawals not in GIS Review MTPs /LR 2000 for de facto withdrawals. Incorporate into database Have district\lands | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                             | Utility                                                                    | Partially                                                    | GIS Data                                                                                                                                                                             | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                                                                                                                                                             | 2<br>Needed<br>Data Set(s) <sup>2</sup>   | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                               | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
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|                                                                                                                                                                                        | Corridors<br>(existing)                   |                                                              | Development/A<br>nalysis Needed<br>From DOE,<br>Digitize from<br>MTPs, LR2000                                                                               |                                                                       |                                                                 |                                                      |                                                                   |
|                                                                                                                                                                                        | Power lines<br>& fiber optic<br>cables    | Partially                                                    | GIS Data<br>Development/A<br>nalysis Needed<br>Some available<br>from LR2000<br>Acquire data<br>from power line<br>owners Arc data<br>available from<br>NSO | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
| Mineral<br>Resources*<br>(Issue under<br>Resource<br>Use)<br>*For all—<br>existing data<br>needs to be<br>obtained/com<br>piled; some<br>large scale<br>digitization will<br>be needed | Surface<br>geology                        | Yes                                                          | Have<br>statewide\miner<br>als\<br>geology500k\<br>and in<br>statewide\miner<br>als                                                                         | 0                                                                     | No                                                              | Yes<br>Yes                                           | Unknown                                                           |
|                                                                                                                                                                                        | Oil and Gas<br>Potential                  | Yes                                                          |                                                                                                                                                             | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                                                                                                                                                        | Solid<br>Leasable<br>Mineral<br>Potential | Partially                                                    | Acquire data.<br>Consult NV<br>Bureau of Mines                                                                                                              | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                                                                                                                                                        | Saleable<br>Mineral<br>Potential          | Partially                                                    | Acquire data.<br>Consult NV<br>Bureau of Mines                                                                                                              | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                                                                                                                                                        | Coal<br>Potential                         | No                                                           | Acquire data.<br>Consult NV                                                                                                                                 | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                | 2<br>Needed<br>Data Set(s) <sup>2</sup>    | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                    | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|-------------------------------------------|--------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
|                                           |                                            |                                                              | Bureau of Mines                                                                                                  |                                                                       |                                                                 |                                                      |                                                                   |
|                                           | Locatable Mineral Permitted Mine Locations | Partially                                                    | Acquire data & GIS Data Development/A nalysis Needed Contact Mines where data is lacking, Review Hard copy data. | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                           | Mining Districts                           | Yes                                                          | GIS Data updates needed. Convert existing information to GIS covert from 5 ½ floppy disks                        | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
| Hazardous Materials (Management Concern)  | Abandoned mines considered to be hazardous | Yes                                                          | Acquire copy of data for Planning Area                                                                           | 0                                                                     | Yes                                                             | Nevada Bureau of Mines and Geology                   | Yes                                                               |
|                                           | Hot Springs > 120oF                        | Partially                                                    | Acquire data NV Bureau of Mines                                                                                  | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
| Special Designations (Management Concern) | Special Designations                       | Partially                                                    | GIS Data Development/A nalysis Needed                                                                            | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                           | Areas of Critical Environmental Concern    | Yes                                                          |                                                                                                                  | 0                                                                     | Yes                                                             | BLM                                                  | Yes                                                               |
| Renewable Energy (Management)             | Geothermal Potential                       | No                                                           | GIS Data Development/A nalysis Needed                                                                            | 0                                                                     | Yes                                                             | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                     | 2<br>Needed<br>Data Set(s) <sup>2</sup>                           | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                    | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
| Concern)                                       |                                                                   |                                                              | Avail from<br>Programmatic<br>EIS                                                                |                                                                       |                                                                 |                                                      |                                                                   |
|                                                | Wind Power<br>Potential                                           | No                                                           | GIS Data<br>Development/A<br>nalysis Needed<br>Avail from<br>Programmatic<br>EIS                 | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                | Renewable<br>Energy<br>ROWS                                       | No                                                           | Develop from<br>existing BLM<br>files                                                            | 0                                                                     |                                                                 |                                                      |                                                                   |
|                                                | Areas of<br>solar energy<br>potential                             | Yes                                                          | GIS Data<br>Development/A<br>nalysis Needed                                                      | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
| Socio-<br>Economics<br>(Management<br>Concern) | Economic<br>Profile of<br>Planning<br>Area                        | Partially                                                    | GIS Data<br>Development/U<br>pdates Needed<br>Determine<br>socio-economic<br>baseline for<br>RMP | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                | NV state and<br>county data<br>earnings and<br>employment<br>data | No                                                           | Acquire data<br>US Dept of<br>Commercial,<br>Reg. economic<br>information<br>system              | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                | Population<br>data and<br>trends                                  | No                                                           |                                                                                                  | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                                | Political,<br>social, and<br>community                            | No                                                           |                                                                                                  | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |

| 1<br>Resource <sup>1</sup>                 | 2<br>Needed<br>Data Set(s) <sup>2</sup>                         | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                       | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup> | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|--------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|
|                                            | organization data.                                              |                                                              |                                                                                                                                                     |                                                                       |                                                                 |                                                      |                                                                   |
|                                            | Planning Area Boundaries                                        | Yes                                                          | 150,000 – PA boundary                                                                                                                               | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
| Environmental Justice (Management Concern) | Native American socio-economic information and tribal profiles  | No                                                           | Acquire Data. GIS Data Development/Updates Needed Nevada directory of Native American Resources Social and Economic information and tribal profiles | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                            | Census data by county for minority populations and demographics | No                                                           | Acquire data Census Bureau                                                                                                                          | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
|                                            | Data on poverty income                                          | No                                                           | US Dept. of Health and Human Services and US Dept. of Labor , Data for the State of Nevada Job Training Office                                      | 0                                                                     | No                                                              | Unknown                                              | Unknown                                                           |
| Transportation Management (Management      | Road inventory/ classification                                  | Partially                                                    | Comprehensive roads and trails inventory is                                                                                                         | 0                                                                     | Yes, for major roads                                            | NSDI/FGDC Transportation Std (draft)                 | No                                                                |

| 1<br>Resource <sup>1</sup>             | 2<br>Needed<br>Data Set(s) <sup>2</sup> | 3<br>Data Set<br>Available? <sup>3</sup><br>Yes/No/Partially | 4<br>Work Needed<br>to<br>Obtain/Prepare<br>Data <sup>4</sup>                                                                                     | 5<br>Estimated<br>Costs of<br>Obtaining/<br>Preparing<br>Data<br>\$\$ | 6<br>Availability<br>of FGDC<br>Metadata <sup>5</sup><br>Yes/No | 7<br>Name/Source<br>of Data<br>Standard <sup>6</sup>                               | 8<br>Data Meets National<br>or Regional<br>Standard? <sup>7</sup> |
|----------------------------------------|-----------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Concern)                               | (including<br>WSA)                      |                                                              | needed.<br>Maintained<br>roads is<br>available in<br>FAMMS, NSO<br>should have<br>data set. Data<br>inventory part of<br>existing RMP<br>contract |                                                                       |                                                                 | Ground<br>Transportation<br>Linear<br>Feature<br>(GTLF)<br>geospacial<br>database. |                                                                   |
| Air Quality<br>(Management<br>Concern) | Attainment<br>status                    | No                                                           | Acquire Data<br>Discuss<br>availability of<br>digital<br>information with<br>NDEP, NDEQ,<br>& EPA, BLM<br>NOC.                                    | 0                                                                     | No                                                              | NDEP                                                                               | Unknown                                                           |
|                                        | Air Quality<br>Monitoring               | Partially                                                    | Acquire data<br>Data from<br>NDEP, Mine<br>info, etc. BLM<br>NOC.                                                                                 | 0                                                                     | No                                                              | NDEP                                                                               | Unknown                                                           |
|                                        | County<br>emission<br>inventory         | NDEP                                                         | Acquire Data.<br>NDEP                                                                                                                             | 0                                                                     |                                                                 |                                                                                    |                                                                   |
|                                        | BLM<br>emission<br>inventory            | Partially                                                    | Acquire Data.<br>BLM NOC                                                                                                                          | Mining<br>facilities on<br>public<br>lands                            |                                                                 |                                                                                    |                                                                   |

**APPENDIX 4  
PLAN PREPARATION SCHEDULE**

**Carson City District RMP Revision Major Milestones**

|                                                |                |
|------------------------------------------------|----------------|
| Preparation Plan finalized                     | April 2012     |
| Analysis of the Management Situation completed | September 2012 |
| Internal Review of the PDEIS                   | July 2013      |
| Draft RMP/EIS available to the public          | February 2014  |
| Analyze public comments on the Draft RMP/EIS   | May 2014       |
| Internal review of the Proposed RMP/EIS        | December 2014  |
| Final RMP/EIS available to the public          | February 2015  |
| Resolve Protests                               | June 2015      |
| Record of Decision signed                      | November 2015  |

| Carson City District RMP Revision Preliminary Schedule |                                           |            |                    |                            |                                                                                           |
|--------------------------------------------------------|-------------------------------------------|------------|--------------------|----------------------------|-------------------------------------------------------------------------------------------|
| Planning Phase                                         | Planning Task                             | Time Frame | Start Date (mm/yy) | Who                        | How                                                                                       |
| Pre-Planning                                           | Formation of Interdisciplinary Team (IDT) | 1 day      | 6/11               | Carson City District (CCD) | Management Staff appoints staff to IDT                                                    |
|                                                        | Mailing List started                      | On-going   | 12/11              | CCD                        | Input from staff & collaborators                                                          |
|                                                        | Initiate coordination with other agencies | On-going   | 2/12               | CCD                        | Phone calls, Meetings                                                                     |
|                                                        | Preparation Plan Preparation and Approval | 6 months   | 11/11              | CCD                        | RMP IDT drafts; State Office (SO) and Washington Office (WO) review, comment, and approve |

| Carson City District RMP Revision Preliminary Schedule |                                                                                                            |            |                    |                                    |                                                                                    |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------|--------------------|------------------------------------|------------------------------------------------------------------------------------|
| Planning Phase                                         | Planning Task                                                                                              | Time Frame | Start Date (mm/yy) | Who                                | How                                                                                |
|                                                        | RMP Lessons Learned                                                                                        | 1 day      | 11/11              | CCD IDT/Brian Amme NSO             | IDT/Brian Amme                                                                     |
|                                                        | Planning: Kick-start your RMP training                                                                     | 3 days     | 2/12               | CCD/National Training Center (NTC) | CCD/National Training Center (NTC)                                                 |
|                                                        | Land Use Planning for Priority Species and Vegetation training                                             | 3 days     | 6/12               | CCD/National Training Center (NTC) | CCD/National Training Center (NTC)                                                 |
|                                                        | Design, establish and maintain website                                                                     | On-going   | 12/11              | CCD/Contractor                     | Electronic                                                                         |
|                                                        | Publish Preparation Plan on website                                                                        | 2 days     | 4/12               | CCD                                | After WO approval of Preparation Plan                                              |
|                                                        | Develop Analysis of Management Situation (AMS)                                                             | 6months    | 9/12               | CCD/SO/Contractor                  | RMP IDT drafts; SO review, comment and approve                                     |
|                                                        | Publish AMS on website                                                                                     | 1 week     | 9/12               | CCD/Contractor                     | Post on web after completion and SO approval                                       |
| Data Organization                                      | Review existing data and put into GIS.                                                                     | On-going   | 9/11               | CCD/Contractor                     | Contractor work with appropriate resource specialists & agencies                   |
|                                                        | Review existing RMP decisions, including amendments, for suitability for bringing forward into revised RMP | 12 months  | 1/12               | CCD/Contractor                     | CCD personnel can start the review; will be completed after Contractor is on board |
| Formal                                                 | Select contractor(s) to prepare RMP/EIS                                                                    | 1 month    | 9/11               | CCD                                | GSA list                                                                           |

| Carson City District RMP Revision Preliminary Schedule |                                                                                         |            |                    |                       |                                                                                                                |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------|------------|--------------------|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Planning Phase                                         | Planning Task                                                                           | Time Frame | Start Date (mm/yy) | Who                   | How                                                                                                            |
| Initiation of Planning & Scoping                       | Begin GIS/data evaluation with Contractor                                               | 1 month    | 11/11              | CCD/Contractor        | Electronic; Meetings with specialists                                                                          |
|                                                        | Prepare draft Notice of Intent (NOI) announcing intention to revise RMP and prepare EIS | 1 month    | 1/12               | CCD                   | Electronic                                                                                                     |
|                                                        | Develop Public Participation Plan; publish on website                                   | 2 months   | 2/12               | CCD/Contractor/SO     | Electronic; Website                                                                                            |
|                                                        | NOI published in Federal Register                                                       | 4-6 weeks  | 2/12               | WO                    | Published after WO review and approval                                                                         |
|                                                        | Prepare Press Release, publish in State-wide newspapers                                 | 2 weeks    | 2/12               | CCD/SO                | CCD prepare Press Release in conjunction with SO for publication in newspapers concurrent with FR publication. |
|                                                        | Send NOI Interested Party Letter                                                        | 1 week     | 2/12               | Contractor            | Concurrent with FR publication. Send to all on mailing list, Include postcard, post Press Release on Website   |
|                                                        | Publish Press Release on website                                                        | 1 week     | 2/12               | CCD                   | When published in FR                                                                                           |
|                                                        | Public Scoping Meetings – up to 15 meetings through-out district                        | 4 weeks    | 3/12               | CCD/Contractor        | At least 15 days after NOI is published. Announce in newspapers, fliers, letters, etc                          |
|                                                        | Comment Period                                                                          | 2 months   | 4/12               | CCD/Contractor/Public | Letters; electronic, fax                                                                                       |

| Carson City District RMP Revision Preliminary Schedule               |                                                                                                        |            |                    |                                    |                                                                                                                                                                   |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------|--------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Planning Phase                                                       | Planning Task                                                                                          | Time Frame | Start Date (mm/yy) | Who                                | How                                                                                                                                                               |
|                                                                      | Public Comment Analysis & Scoping Report                                                               | 3 months   | 4/12               | CCD/Contractor                     | Comments can be reviewed and analyzed as they come in during the comment period and finalized after the comment period is over; Publish Scoping Report on website |
|                                                                      | Finalize planning issues, concerns, criteria, opportunities                                            | 1 month    | 6/12               | CCD/Contractor                     | Publish on Website                                                                                                                                                |
| Alternative Formulation; Writing and Publishing Draft RMP/EIS (DEIS) | Kick-start Your RMP: Developing Alternatives<br>Kick-start Your RMP: Analyzing Effects of Alternatives | 4 days     | 2/12               | CCD/National Training Center (NTC) | CCD/National Training Center (NTC)                                                                                                                                |
|                                                                      | Develop No Action alternative                                                                          | 1 month    | 9/12               | CCD/Contractor                     | Based on AMS                                                                                                                                                      |
|                                                                      | Work with Contractor & collaborators to develop alternatives                                           | 6 months   | 10/12              | CCD/Contractor                     | Contractor/ID Team meetings                                                                                                                                       |
|                                                                      | Review of Alternatives matrix                                                                          | 1 month    | 3/13               | NSO/SOL                            | Electronic                                                                                                                                                        |
|                                                                      | Write Preliminary DEIS (PDEIS)                                                                         | 5 months   | 12/12              | Contractor                         | Meetings/electronic                                                                                                                                               |
|                                                                      | Prepare draft Biological Assessment (BA) for Special Status species                                    | 3 months   | 1/13               | CCD/Contractor                     | Develop concurrently with PDEIS. Work with USFWS, using the species list.                                                                                         |
|                                                                      | PDEIS review by ID Team, cooperators, collaborators                                                    | 1 month    | 6/13               | CCD/Contractor                     | Meetings/electronic                                                                                                                                               |

| Carson City District RMP Revision Preliminary Schedule |                                                               |            |                    |                      |                                                             |
|--------------------------------------------------------|---------------------------------------------------------------|------------|--------------------|----------------------|-------------------------------------------------------------|
| Planning Phase                                         | Planning Task                                                 | Time Frame | Start Date (mm/yy) | Who                  | How                                                         |
|                                                        | Review by SO and WO                                           | 2 months   | 7/13               | SO/WO                | Electronic                                                  |
|                                                        | Respond to internal review of PDEIS                           | 1 month    | 9/13               | CCD/Contractor       | Electronic; comment database                                |
|                                                        | Select Preferred Alternative                                  | 1 weeks    | 10/13              | CCD/FM/SD            | Team recommendation to management                           |
|                                                        | Send BA to USFWS for preparation of Biological Opinion. (BO)  | 4 months   | 10/13              | CCD/USFWS/Contractor | When Preferred Alternative is selected. Meetings/electronic |
|                                                        | Brief State Director on DEIS                                  | 1 week     | 1/14               | CCD                  | PowerPoint                                                  |
|                                                        | Approval to print                                             | 1 week     |                    | SD                   | Can now publish NOA in FR.                                  |
|                                                        | BLM's NOA for DEIS published in FR                            | 4-6 weeks  | 2/14               |                      | Must wait for approval                                      |
|                                                        | Layout & printing of DEIS                                     | 6 weeks    | 1/14               | Contractor           | When date for FR publication of BLM's NOA is received       |
|                                                        | File DEIS with EPA and OEPC                                   | 2 weeks    | 2/14               | CCD                  | When BLM's NOA is published in FR.                          |
|                                                        | EPA's NOA of DEIS published in FR                             | 2 weeks    | 2/14               | EPA                  | Starts 90-day comment period                                |
|                                                        | DEIS mailed to interested parties (mailing list)              | 2 weeks    | 2/14               | CCD/Contractor       | To coincide with EPA's FR publication                       |
|                                                        | News Release announcing availability of DEIS, public meetings | 1 week     | 2/14               | CCD/SO               | To coincide with EPA's FR publication                       |
|                                                        | Public Meetings                                               | 3 weeks    | 3/14               | CCD/Contractor       | During comment period                                       |
|                                                        | Comment period ends                                           | 90 days    | 5/14               |                      |                                                             |

| Carson City District RMP Revision Preliminary Schedule                             |                                                                 |            |                    |                                         |                                                       |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------|--------------------|-----------------------------------------|-------------------------------------------------------|
| Planning Phase                                                                     | Planning Task                                                   | Time Frame | Start Date (mm/yy) | Who                                     | How                                                   |
| Analysis of Public Comments; Preparation & Publication of Proposed RMP / Final EIS | Analyze public comments; prepare summary and comment responses. | 2 months   | 5/14               | CCD/Contractor                          | Electronic; Meetings                                  |
|                                                                                    | Prepare Proposed RMP/FEIS                                       | 3 months   | 6/14               | CCD/Contractor                          |                                                       |
|                                                                                    | Review of Alternatives matrix                                   | 1 month    | 10/14              | NSO/SOL                                 | Electronic                                            |
|                                                                                    | Review draft BO from USFWS                                      | 2 months   | 11/14              | CCD, Contractor                         | Electronic & hard copy; meetings as needed            |
|                                                                                    | Final BO received from USFWS                                    | 2 months   | 12/14              | USFWS                                   | Electronic & hard copy                                |
|                                                                                    | Internal review of Proposed RMP/FEIS                            | 1 month    | 12/14              | CCD, Cooperators, Collaborators, SO, WO | Could be 2 steps – CCD review first, then SO/WO       |
|                                                                                    | Brief SD; secure permission to print                            | 1 week     | 2/15               | CCD/SD                                  |                                                       |
|                                                                                    | BLM's NOA for Proposed RMP/FEIS published in FR                 | 4 months   | 2/15               | CCD/WO                                  | Must wait for approval                                |
|                                                                                    | File Proposed RMP/FEIS with EPA and OEPC                        | 1 week     | 2/15               | CCD                                     | When date for FR publication of BLM's NOA is received |
|                                                                                    | EPA's NOA for Proposed RMP/FEIS published in FR                 | 2 weeks    | 2/15               | EPA                                     | Initiates 30 day protest period for Proposed RMP      |
|                                                                                    | Proposed RMP/FEIS mailed to interested parties (mailing list)   | 2 weeks    | 2/15               | CCD/Contractor                          | To coincide with EPA's and BLM's FR publications      |

| Carson City District RMP Revision Preliminary Schedule |                                                          |            |                    |                |                                                       |
|--------------------------------------------------------|----------------------------------------------------------|------------|--------------------|----------------|-------------------------------------------------------|
| Planning Phase                                         | Planning Task                                            | Time Frame | Start Date (mm/yy) | Who            | How                                                   |
|                                                        | Send Proposed RMP/FEIS to Governor (State Clearinghouse) | 1 week     | 2/15               | CCD/Contractor | Initiates 60 day Governor's consistency review period |
|                                                        | Publish Proposed RMP/FEIS on website                     | 1 week     | 2/15               | CCD/Contractor | To coincide with NOA in FR                            |
|                                                        | News release                                             | 1 week     | 2/15               | CCD            | Newspapers, website, other media                      |
|                                                        | Protest period ends                                      |            | 5/15               |                |                                                       |
|                                                        | Governor's consistency review period ends                |            | 5/15               |                |                                                       |
| Decision                                               | Resolution of protests, if any were filed                | 3 months   | 6/15               | CCD/SO/VO      | Letters to protesting parties                         |
|                                                        | ROD drafted                                              | 1 month    | 6/15               | CCD            | As protest resolution progresses                      |
|                                                        | Review of Decision matrix                                | 1 month    | 8/15               | NSO/SOL        | Electronic                                            |
|                                                        | Brief SD and ROD signed by SD                            | 1 week     | 11/15              |                | After protest resolution is complete                  |
|                                                        | NOA for ROD published in FR                              | 4 months   | 11/15              | CCD/VO         | Must wait for approval                                |
|                                                        | ROD sent to interested parties                           | 1 week     | 11/15              | CCD/Contractor | After publication of NOA in FR                        |
|                                                        | News release                                             | 1 week     | 11/15              | CCD            | After NOA publication in FR                           |
| Post-Decision                                          | Develop an Implementation Plan                           | 4 months   | 12/15              | CCD/Contractor | After ROD approval                                    |

