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# APPENDIX A

## National Goals Relevant to Land and Resource Management (based on FSM Objective Statements)

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### **AIR QUALITY - FSM 2580.2**

1. Protect air quality related values within Class 1 areas, as described in 42 U.S.C.7475 (d)(2)(B) and (c) and section 2580.5.
2. Control and minimize air pollutant impact from land management activities.
3. Cooperate with air regulatory authorities to prevent significant adverse effects of air pollutants and atmospheric deposition on forest and rangeland resources.

### **FISH AND WILDLIFE - FSM 2602**

1. Maintain ecosystem diversity and productivity by:
  - a. Recovering threatened or endangered species.
  - b. Maintaining at least viable populations of all native and desired non-native wildlife, fish, and plants in habitats distributed throughout their geographic range on NFS lands.
  - c. Producing habitat capability levels to meet sustained yield objectives relative to demand for featured management indicator species identified in RPA and Forest Plans.
2. Provide diverse opportunities for esthetics, consumption, and scientific uses of wildlife, fish, and sensitive plant resources in accordance with National, Regional, state and local demands.

### **Threatened and Endangered Species - FSM 2670.21**

Manage NFS habitats and activities for threatened and endangered species to achieve recovery objectives so that special protection measures provided under the ESA are no longer necessary.

### **Sensitive Species - FSM 2670.22**

1. Develop and implement management practices to ensure that species do not become threatened or endangered because of Forest Service actions.
2. Maintain viable populations of all native and desired non-native wildlife, fish, and plant species in habitats distributed throughout their geographic range on NFS lands.
3. Develop and implement management objectives for populations and/or habitat of sensitive species.

### **Animal Damage Management - FSM 2650.2**

To protect resources and permitted livestock from animal damage on NFS lands and to protect human health and safety.

### **FIRE MANAGEMENT - FSM 5102**

To protect, maintain, and enhance the production and quality of national forest resources through fire protection and use of prescribed fire.

#### **Fire Suppression - FSM 5130.2**

To suppress wildfires at minimum cost consistent with land and resource management objectives and fire management direction as stated in fire management action plans.

#### **Prescribed Fire - FSM 5140.2**

To use prescribed fires, from either management ignitions or natural ignitions, in a safe, carefully controlled, cost-effective manner as a means of achieving management objectives defined in the Forest Plan.

#### **Fuel Management - FSM 5150.2**

To identify, develop, and maintain fuel profiles that contribute to the most cost-efficient fire protection and use program in support of land and resource management direction in the forest plan.

### **SOIL RESOURCE IMPROVEMENT - FSM 2553.02**

1. To improve soil quality to selected levels for specific purposes by mechanical treatment, chemical, or other soil additives, irrigation, or vegetative manipulation.
2. To rehabilitate soils that are in unsatisfactory condition.

### **WATERSHED MANAGEMENT - FSM 2502**

1. To protect and, where appropriate, enhance soil productivity, water quality and quantity, and timing of waterflows.
2. To maintain favorable conditions of streamflow and continuous production of resources from NFS watersheds.

#### **Watershed Protection and Management - FSM 2520.2**

To protect National Forest watersheds by implementing practices designed to retain soil stability, improve or maintain site productivity, secure favorable conditions of water flow, and preserve or enhance aquatic values.

#### **Watershed Improvement - FSM 2522.02**

1. Restore hydrologic balance of degraded watershed areas by stabilizing soil, controlling surface run-off and erosion, reducing flood potential, and improving long-term soil productivity.
2. Improve soil and water quality.

#### **Riparian Areas - FSM 2526.02**

1. To protect, manage, and improve riparian areas while implementing land and resource management activities.

2. To manage riparian areas in the context of the environment in which they are located, recognizing their values.

**Floodplain Management Wetland Protection - FSM 2527.02**

1. To reduce risk of flood loss.
2. To minimize impacts of floods on human safety, health, and welfare.
3. To minimize destruction, loss, and degradation of wetlands.

**Burned Area Emergency Rehabilitation - FSM 2523.02**

To provide for immediate rehabilitation of watersheds following wildfire to help stabilize soil, control water, sediment, and debris movement.

**Water Quality Management - FSM 2532.02**

To protect and, when needed, improve the physical, chemical, biological, and aesthetic quality of the water resource consistent with the purposes of the National Forests and National Water quality goals.

1. To provide water of a quality suitable for the beneficial uses identified in the land and resource management planning process.
2. To ensure safe drinking water subject to public use on National Forests, whether the source is a natural or developed water supply. [When state standards do not exist, observe EPA water quality criteria.]

**RANGE MANAGEMENT - FSM 2202.1**

To manage range vegetation to protect basic soil and water resources, provide for ecological diversity, improve or maintain environmental quality, and meet public needs for interrelated resource uses.

**Wild Free-Roaming Horses and Burros - FSM 2260.2**

To maintain wild free-roaming horse and burro populations in a thriving ecological balance in the areas they inhabit on National Forests.

**TIMBER MANAGEMENT - FSM 2402**

1. Provide a continuous supply of National Forest timber for the use and necessities of the citizens on the United States.
2. To provide, as far as feasible, an even flow of National Forest timber in order to facilitate the stabilization of communities and opportunities for employment.

**Timber Management - FSM 2402**

To cultivate and maintain tree stands in the manner that promotes and achieves a diverse pattern of vegetation that best meets the needs of people now and in the future.

Manage and provide for regeneration of tree stands.

Maintain a diversity of forest vegetation types and resources consistent with the Forest Plan.

**Commercial Timber Sales - FSM 2430.2**

1. To provide an orderly program of timber sales from each National Forest in accordance with the forest plan or approved interim plans.

2. To offer for sale the ASQ and other sales specified in Forest plans, subject to financing levels or other modification during their implementation.
3. To coordinate the timber sales program with planning, management, and use of other Forest resources.
4. To provide a continuous flow of raw material to local forest industries.

#### **Harvest Cutting - FSM 2471.02**

To manage timber and other forest resources for protection, enhancement, and sustained yield of those resources through the sale or permitted use of forest products with the long-term intent to regenerate the stand.

#### **Silvicultural Practices - FSM 2470.2**

To prescribe, implement, and monitor silvicultural practices that develop forest stand conditions which meet land management objectives designated in Regional guides and forest plans.

#### **Reforestation - FSM 2470.02**

1. To maintain all forest lands within the NFS in appropriate forest cover.
2. Improve the quality and yield of new timber stands.
3. Achieve desired time and stocking level goals in a cost-efficient manner.

#### **Other Forest Products - FSM 2560.02**

To provide free firewood and other wood for personal use in order to aid in the protection and silvicultural improvements of the National Forest when these needs cannot be met through the use of charge permits.

#### **TSI - FSM 2476.02**

Maintain or increase the growth rate, health, species composition, and/or improve the quality of stands for timber or other resource uses according to direction in the forest plan.

#### **Salvage Sales - FSM 2435.02**

To manage the use of salvage sale funds to provide for the rapid optimum practical use of wood material damaged through natural event, such as insects, windstorms, wildfires, hurricanes, and tornados.

### **MINERALS AND GEOLOGY - FSM 2802**

1. Encourage and facilitate the orderly exploration, development, and production of mineral and energy resources within the National Forest System in order to maintain a viable, healthy minerals industry and to promote self-sufficiency in those mineral and energy resources necessary for economic growth and the national defense.
2. Ensure that exploration, development, and production of mineral and energy resources are conducted in an environmentally sound manner and that these activities are integrated with the planning and management of other national forest resources.
3. Ensure that lands disturbed by mineral and energy activities are reclaimed for other productive uses.

**Minerals Reservations Outstanding Mineral Rights - FSM 2830.2**

To administer mineral reservations and outstanding mineral rights consistent with the rights reserved or outstanding and the acquired rights of the United States in a manner that minimizes damage to National Forest System resources.

**Mineral Materials - FSM 2850.2**

To meet the demand for mineral materials consistent with the management of other surface resources.

**Reclamation - FSM 2840.2**

1. Minimize the environmental impacts resulting from such activities.
2. Ensure that disturbed lands are returned to a use that is consistent with long-term forest land and resource management plans.

**MUNICIPAL SUPPLY WATERSHEDS - FSM 2542.02**

To manage National Forest system lands for multiple-use by balancing present and future resource use with domestic water supply needs.

**SPECIAL USES - FSM 2702**

To Authorize the use of National Forest System lands by Federal, State, and local agencies, as well as private industry and individuals, in accordance with governing laws and regulations to best serve the interest of the public and the United States.

**Special-Use Authorization - FSM 2710.2**

To issue appropriate special-use authorizations according to the law, regulations, and policy for occupancy and use of land in a manner consistent with the purpose of the National Forest System and forest plans.

**Special-Use Administration - FSM 2721.02**

To issue and to administer special-use permits for recreation uses that serve the public, promote public health and safety, and protect the environment.

**Federal Power Act Projects - FSM 2770.2**

To ensure hydroelectric production where it is compatible with National Forest purposes. To ensure that planning, construction, and operation of hydroelectric projects are performed in such a manner to protect or effectively utilize National Forest System land and resources.

**Withdrawals - FSM 2761.02**

1. Protect the United States' improvements and other unique values that are subject to disposition or destruction under the public land laws.
2. Provide a consistent and efficient withdrawal program that meets land and resource management objectives.
3. Ensure cooperation and coordination with the Secretary of the Interior and the Bureau of Land Management.
4. Encourage mineral activity where mineral extraction is the best use of the site.

### **Special-Uses Management - FSM 2730.2**

1. Provide rights-of-way for the public road system, including the federal-aid system, when such roads cross National Forest System lands or interest in lands.
2. Accommodate the access needs of the protection, development, and utilization of lands and resources owned by private interests or administered by public agencies when the planned forest development road system and public road system do not meet those needs adequately.
3. Protect and enhance the quality of air, water, soil, and natural beauty of Forest Service-administered lands in the granting of any right-of-way.
4. Cooperate with intermingled and adjacent landowners in developing roads that serve the needs of both parties through the exchange of rights-of-way.
5. Provide access across National Forest System land to private land that is adequate to secure the owners thereof of reasonable use and enjoyment of their land without unnecessarily reducing the management options of the Forest Service or damaging National Forest lands or resources.

### **RURAL DEVELOPMENT - FSM 3602**

1. To utilize Forest Service Programs and authorities to provide more jobs and income opportunities, to improve rural living conditions, to enrich the cultural life of rural America, and to maintain and protect the environment and natural resources of rural areas.
2. Participation in the Rural Conservation and Development Program (RC&D) is to improve the ability of state and local units of government and local sponsors to accelerate the conservation, development, and use of forest resources with the aim of improving the social, economic, and environmental conditions in an authorized RC&D area.

### **Rural Development - FSM 3610.2**

1. To protect and manage the natural resources including scenic, wilderness, and other special values of forest and range environments in rural areas.
2. To promote research to expand the technological base for forestry and the use of forest products and to lend support for rural housing goals.
3. To encourage the development and transfer of technological improvements to protect and improve the quality of the rural environment, and to extend the supplies of natural resources.
4. To maintain or increase the forest land base, improve its productivity, and improve forest land-ownership patterns.
5. To promote orderly development and wise use of forest resources consistent with sound stewardship to develop and increase rural employment and income with the aim of improving or stabilizing rural social and economic conditions.
6. To expand public understanding of environmental conservation and natural resource planning, protection, and management and how stewardship is related to these activities.
7. To provide information and analysis for determining forest resource potentials and opportunities to enhance rural development.

### **Resource Conservation and Development Program - FSM 3620.2**

1. To help provide the people of the area with employment and other economic opportunities through the orderly development, improvement, conservation, and utilization of forest land related resources in the RC&D areas.
2. To provide State and local leadership with the opportunity to coordinate and use the facilities and techniques available under current agricultural programs and any applicable new programs as may be instituted to aid in planning and carrying out a balanced program of development, conservation, and protection of natural resources to meet local, State, and national needs.
3. To develop a level of State and local leadership that can assume independent programs in forest and related resource management and achieve State and local forestry and related resource goals and objectives.

### **RANGE -- NATIONAL FORESTS - FSM 2202.1**

1. To manage range vegetation to protect basic soil and water resources, provide for ecological diversity, improve or maintain environmental quality, and meet public needs for interrelated resource use.
2. To integrate management of range vegetation with other resource programs to achieve multiple use objectives contained in Forest land and resource management plans.
3. To provide for livestock forage, wildlife food and habitat, outdoor recreation, and other resource values dependent on range vegetation.
4. To contribute to the economic and social well being of people by providing opportunities for economic diversity and by promoting stability for communities that depend on range resources for their livelihood.

### **RANGE -- NATIONAL GRASSLANDS - FSM 2202.2**

1. To promote the development of grassland agriculture and sustained yield management of the soil, water, forage, fish and wildlife, recreation, and timber resources.
2. To demonstrate sound and practical principles of land use to favorably influence nearby areas and economies.

#### **Range Improvement Investment - FSM 2246.02**

Invest in cost-effective range improvements to achieve objectives established in forest land and resource management plans and allotment management plans.

#### **Maintenance of Improvements - FSM 2244.02**

To maintain in operable condition all range improvements on the National Forest System and other lands controlled by the Forest Service.

#### **Structural Range Improvement - FSM 2242.02**

Install structural range improvements to obtain proper livestock management and to meet objectives contained in forest land and resource management plans and allotment management plans.

#### **Range Improvements - FSM 2240.2**

1. Without impairing land productivity or water quality, implement and maintain range improvements to the extent benefits are commensurate with cost and demand for livestock forage.
2. Provide information and advice through range technical information system and Vegetative Rehabilitation and Equipment Workshop to enhance restoration, improvement, and quality of ranges.

#### **Grazing and Livestock Use Permit System - FSM 2230.2**

To administer the grazing permit system consistent with range resource management objectives found in forest land management plans, and to best serve the public's long-term economic and social needs.

### **RECREATION - FSM 2302**

1. To provide nonurbanized outdoor recreation opportunities in natural appearing forest and rangeland settings.

2. To protect the long-term public interest by maintaining and enhancing open space options, public accessibility, and cultural, visual, and natural resource values.
3. To promote public transportation and/or access to National Forest recreation opportunities.
4. To shift land ownership patterns as necessary to place urbanized recreation settings into other ownerships to create more public open space and/or natural resource recreation values.

#### **Visual Quality - FSM 2380.2**

To manage all National Forest System lands to attain the highest possible visual quality commensurate with other appropriate public uses, costs, and benefits.

#### **Interpretive Services/Visitor Information - FSM 2390**

1. To assist those visitors in the National Forest, research projects, and State and Private Forestry locations in gaining a greater appreciation of the role of conservation in the development of the Nation's heritage and culture. (2390.2)
2. To promote visitor understanding of the Forest Service, the National Forest System, Forestry Research, and State and Private Forestry programs.
3. To inform visitors of recreation opportunities and facilities on the National Forests. (2390.2)
4. To help visitors know and experience the natural environment.
5. To implement an interpretive program that helps solve management problems and aids in the development of public understanding of Forest Service management. (2390.2)
6. To expand the number of interpretive associations which contribute to public understanding of Forest Service practices, support interpretive services objectives, increase public awareness, and aid in management of National Forest resources. (2390.2)
7. To increase visitor understanding of natural and cultural history principles and their relation to land management techniques. (2390.2)

#### **Trail, River, and Similar Recreation Opportunities - FSM 2350.2**

1. Provide recreation opportunities for users of the general forest, water, and cave resources.
2. Provide opportunities for a variety of recreation pursuits with emphasis on activities that are in harmony with the natural environment and consistent with the recreation role of the National Forest.
3. Mitigate adverse impacts of users on the natural resources, cultural and historical resources, and on other users.

#### **Forest Development Trails - FSM 2353.02**

1. Provide trail-related recreation opportunities that serve public needs and meet land management and recreation policy objectives.
2. Provide trail recreation opportunities that emphasize the natural setting of the National Forest and are consistent with land capability.
3. Provide trail access for National Forest management and protection.

### **Off-Road Vehicle Management - FSM 2355.02**

Provide off-road vehicle recreation opportunities that are in concert with the environmental setting, minimize off-road vehicle effects on the land and resources, promote public safety, and control conflicts with other uses of National Forest System lands.

### **Cave Management - FSM 2356.02**

Provide cave related recreational, cultural, educational, and scientific study opportunities that serve public need. Balance surface resource management and cave use with the protection of cave values.

### **Public Managed Recreation Opportunities - FSM 2330.2**

1. To maximize opportunities for visitors to know and experience nature while engaging in outdoor recreation.
2. To develop and manage sites consistent with the available natural resources to provide a safe, healthful, esthetic, nonurban atmosphere.
3. To provide a maximum contrast with urbanization at National Forest sites.

### **Privately Provided Recreation Opportunities - FSM 2340.2**

To provide, under special-use authorization, sufficient, suitable facilities and service that supplement or complement those provided by the private sector, State, and local government on private land and the Forest Service on National Forest land to meet public needs, as determined through land and resource management planning.

To facilitate the use, enjoyment, understanding, and appreciation of the National Forest and its natural resources.

### **Group Use By Institutions or other Entities - FSM 2345.02**

To allow group recreation opportunities, facilities, and service at camps on National Forest land when suitable private lands are not available.

### **Concession Uses Involving Privately Developed Facilities - FSM 2343.02**

To provide a diversity of recreation activities that emphasize the forest setting and rustic, natural resource-based recreation opportunities.

## **NATIONAL WILD AND SCENIC RIVERS SYSTEM - FSM 2354.02**

Provide river and similar water recreation opportunities to meet the public needs in ways that are appropriate to the National Forest recreation role and are within the capabilities of the resource base. Protect the free-flowing conditions of designated wild and scenic rivers and preserve and enhance the values for which they were established.

## **RESEARCH NATURAL AREAS - FSM 4063.02**

1. Preserve a wide spectrum of representative areas that typify important forest, shrubland, grassland, alpine, aquatic, geological, and similar natural situations that have special or unique characteristics of scientific interest and importance that, in combination form a national network of ecological areas for research, education, and maintenance of biological diversity.
2. Preserve and maintain genetic diversity.

3. Protect against serious environmental disruption.
4. Serve as reference areas for the study of success.
5. Provide on-site and extension education activities.
6. Serve as baseline areas for measuring long-term ecological changes.
7. Serve as control areas for comparing results from manipulative research.
8. Monitor effects of resource management techniques and practices.

### **SPECIAL INTEREST AREAS - FSM 2360.3**

To protect and where appropriate, foster public use and enjoyment of areas with scenic, historical, geological, botanical, zoological, palentological, or other special characteristics. To classify areas that possess unusual recreation and scientific values so that these special values are available for public study, use, or enjoyment.

### **NATIONAL WILDERNESS PRESERVATION SYSTEM - FSM 2320.2**

1. Maintain and perpetuate the enduring resource of wilderness as one of the multiple uses of National Forest System land.
2. Maintain wilderness in such a manner that ecosystems are unaffected by human manipulation and influences so that plants and animals develop and respond to natural forces.
3. Minimize the impact of those kinds of uses and activities generally prohibited by the Wilderness Act, but specifically excepted by the Act or subsequent legislation.
4. Protect and perpetuate wilderness character and public values including, but not limited to, opportunities for scientific study, education, solitude, physical and mental challenges and stimulation, inspiration, and primitive recreation experiences.

### **Wildlife and Fish Management in Wilderness - FSM 2323.31**

1. Provide an environment where the forces of natural selection and survival rather than human actions determine which and what numbers of wildlife species will exist.
2. Consistent with objective #1, protect wildlife and fish indigenous to the area from human caused conditions that could lead to Federal designation as threatened or endangered.
3. Provide protection for known populations and aid recovery in areas of previous habitation, of federally listed threatened or endangered species and their habitats.

### **Air Resource - FSM 2323.61**

1. Protect air quality and related values, including visibility, on wilderness land designated Class 1 by the Clean Air Act as amended in 1977 (FSM 2120).
2. Protect air quality in wilderness areas no qualifying as Class 1 under the same objectives as those for other National Forest System lands. (FSM 2120)

### **Motorized Equipment - FSM 2326.02**

1. To accomplish management activities with nonmotorized equipment and nonmechanical transport of supplies and personnel.
2. Exclude the sight, sound, and other tangible evidence of motorized equipment or mechanical transport within wilderness except where they are needed and justified.

### **Research - FSM 2324.21**

To provide appropriate opportunities for scientific studies that are dependent on a wilderness environment.

### **Fire Management - FSM 2324.21**

1. Permit lightning caused fires to play, as nearly as possible, their natural ecological role within wilderness.

2. Reduce, to an acceptable level, the risks and consequences of wildfire within wilderness or escaping from wilderness.

### **Structures and Improvements - FSM 2324.31**

To limit structures and improvements for administrative purposes or under special-use permit to those actually needed for management, protection, and use of the wilderness for the purpose for which the wilderness was established.

### **Recreation - FSM 2323.11**

1. Provide consistent with management of the area as wilderness, opportunities for public use, enjoyment, and understanding of the wilderness, through experiences that depend on a wilderness setting.
2. Provide outstanding opportunities for solitude or primitive and unconfined type of recreation.

### **Forest Cover - FSM 2323.51**

Manage forest cover to retain the primeval character of the environment and to allow natural ecological processes to operate freely.

### **Soil and Water - FSM 2323.41**

Maintain satisfactory natural watershed condition within wilderness.

### **Range - FSM 2323.21**

Manage wilderness range in a manner that utilizes the forage resource in accordance with established wilderness objectives.

### **Insects and Disease - FSM 2324.11**

1. To allow indigenous insect and plant diseases to play, as nearly as possible, their natural ecological role within wilderness.
2. To protect the scientific value of observing the effect of insects and disease on ecosystems and identifying genetically resistant plant species.
3. To control insect and plant disease epidemics that threaten adjacent lands or resources.

### **Mineral - FSM 2323.72**

1. To preserve the wilderness environment while providing activities for the purpose of gathering information about mineral resources.
2. To ensure that mineral exploration and development operations are conducted in accordance with valid existing rights for federally owned, locatable, and leasable minerals (FSM 2810 and FSM 2820) and for nonfederally owned minerals (FSM 2830) preserving the wilderness resource to the extent possible.
3. To ensure the restoration of lands disturbed during exploration and development activities as nearly as practicable promptly upon abandonment of operations.

## **CULTURAL RESOURCES - FSM 2361.02**

1. Complete an inventory of cultural resources on all National Forest System land by 1985 sufficient to provide a data base for land management planning.
2. Complete an inventory of all cultural resources on National Forest System land by 1990.
3. Until these inventories are complete, exercise caution to ensure cultural resources are not damaged, destroyed or transferred by meeting the coordination requirements outlined in FSM 2361.3.
4. As part of the decision-making process, document inventory and evaluation procedures to ensure adequate participation by cultural resource professionals.
5. Perform inventories at appropriate levels prior to initiating project actions.

### **Scenic and Historic Trails - FSM 2353.41**

To develop and administer National Scenic or National Historic Trails to ensure retention of the outdoor recreation experience for which the trail was established and continued production of maximum benefits from the land.

### **National Registry of National Landmarks - FSM 2373.02**

To cooperate with the U.S. Department of Interior National Park Service to:

1. Encourage the preservation of sites illustrating the geological and ecological character of the United States.
2. Enhance the scientific and educational value of sites thus preserved.
3. Foster a greater concern in the conservation of the Nation's natural heritage.

### **LAND OWNERSHIP ADJUSTMENT - FSM 5402**

1. Achieve the optimum landownership pattern to provide for resource use to meet the needs of the people now and in the future.
2. Settle land title claims equitably and promptly.
3. Provide resource administrators readily accessible and understandable title information affecting the status and use of lands and resources they administer.

### **Land Purchases and Donations - FSM 5420.2**

1. Enhance the multiple use and sustained yield of the goods and services from the National Forest System.
2. Protect and improve the quality of renewable resources.
3. Protect and preserve important historic, cultural, and natural aspects of the national heritage.
4. Provide for access, use, and enjoyment of the forest resources by the public.
5. Improve administrative efficiency and effectiveness of the National Forest System.

### **Land Exchange - FSM 5430.2**

To implement land management and resource planning directives to attain an optimum National Forest System landownership pattern that provides for resource uses that best meet the present and future needs of the people.

### **Partial Interest Acquisition - FSM 5440.2**

1. Provide for acquisition of only those interests in land necessary to meet planned program objectives.
2. Provide for continuance of private land uses which are consistent with planned program objectives.

### **National Forest System Modification - FSM 5450.2**

1. The objectives of National Forest System modifications are to:
  - a. Obtain National Forest status for all appropriate land within the National Forest System.
  - b. Modify existing National Forest System unit boundaries as needed to provide logical exterior boundaries.
  - c. Establish purchase units as needed to meet program objectives.
  - d. Establish National Forest or other boundaries as needed to facilitate management and administration.
2. The objectives of land transfer are to:

- a. Improve management efficiency of Federal lands.
- b. Improve service to the public.
- c. Result in net benefits to the Government, to the public, or both.

### **Right-of-Way Acquisition - FSM 5460.2**

1. To acquire, across non-National Forest land, road and trail rights-of-way that are adequate for the protection, administration, and utilization of the National Forests. Where compatible with National Forest needs, the rights-of-way should also accommodate the utilization and development of resources in other ownerships upon which communities within or adjacent to the National Forest depend.
2. To acquire such rights-of-way in time to meet road and trail construction and resource development program schedules.
3. To acquire all interests to permit use of road and trails to meet the multiple use and sustained valid objectives of the National Forests.

### **Reservations and Outstanding Rights - FSM 5470.2**

To accomplish real property adjustments free of encumbrances that would detract from present or future uses of National Forest System land or that would needlessly restrict private land use and impose an unwarranted management obligation on the Forest Service.

### **Condemnation - FSM 5480.2**

To acquire real property by condemnation when all other methods of acquisition fail and the property or interest is required for the protection, administration, or utilization of National Forest System lands.

### **LAND SURVEYING - FSM 7151.02**

Provide legal land surveys and related service to locate, mark, post, and maintain land corners, property corners, and property lines between National Forest System land and other ownerships for the protection and management of National Forest System lands and resources.

### **LANDLINE LOCATION PROGRAM - FSM 7152.02**

Provide the land manager and public with visible and legally defensible administrative and property boundary lines on the ground, and to accurately depict the location of landownership lines on administrative maps produced by the Forest Service.

### **SOLID WASTE MANAGEMENT - FSM 2130.2**

Program objectives are to design, operate, and maintain all solid waste systems under Forest Service jurisdiction in such a manner so as to meet all Federal, State, and local requirements; promote public health and safety; protect Forest resource and environmental qualities; and complement and support the total land-use management process.

### **POTABLE WATER SUPPLY - FSM 7420.2**

Protect the health of the public and Forest Service personnel. Accomplishing this objective requires that water provided by the Forest Service for human consumption at any administrative site or public use are must be both safe and protected.

### **MANAGEMENT OF WASTEWATER COLLECTION SYSTEMS AND TREATMENT WORKS - FSM 7430.2**

1. To avoid creating health hazards or nuisance conditions.
2. To restore and maintain the chemical, physical, and biological quality of water resources.

### **FOREST HIGHWAYS - FSM 7440.2**

The objective of this program is to plan, design, construct, operate, and maintain wastewater disposal facilities and other effluent-disposal activities to ensure that discharge and/or infiltration of pollutants do not create health hazards or nuisance conditions, or alter the quality or characteristics of either ground water or surface water beyond applicable Federal and/or State water-quality and effluent-discharge standards.

Where no standards exist, the quality of characteristics of surface and ground water shall:

1. Be maintained as near to their existing conditions as measurable.
2. Not be degraded to adversely affect either present or projected beneficial uses (FSH 7409.11 Ch. 20).
3. Not be allowed to degrade the quality of subsequent ground or surface receiving waters beyond the standards when such have been established.

### **TRANSPORTATION SYSTEM - FSM 7702**

1. To plan, develop, and operate a network of transportation facilities and transportation modes that provide user safety, convenience, and efficiency of operations.
2. To provide access to National Forest System lands to accomplish management direction and protection objectives that is coordinated with National and State-wide transportation needs.
3. To minimize the total transportation present value cost including user, maintenance, construction, restoration, realignment, and betterment costs.

### **TRANSPORTATION PLANNING - FSM 7710.2**

1. To efficiently provide facilities that will achieves forest management direction and that are appropriate for this intended use.
2. To direct the orderly development and management of the transportation system and to ensure the documentation of decisions affecting the system.

### **Highway Safety Program - FSM 7733.02**

Reduce traffic accidents, deaths, injuries and the resulting property damage.

### **Effluents - FSM 7740**

To assist the FHWA with the administration of the forest highway program to plan and develop access roads to:

1. Enhance the value of National Forest System resources.
2. Protect, develop, and use the National Forest System and its renewable resources.
3. Enhance economic development at the local, Regional, and national levels.
4. Serve local needs and communities dependent on the National Forest System activities.
5. Provide for economy of operation and maintenance and the safety of the users.
6. Provide safe and adequate rural highway connections; connecting the National Forest System with major highway systems.

**Development - FSM 7720.2**

To locate, survey, design, and construct transportation facilities in accordance with FSM 7702.

**Roads**

Locate, design, and construct facilities that provide the stability and durability appropriate for their intended service life and uses.

**PESTICIDE MANAGEMENT - FSM 2150.2**

To ensure the proper use of pesticides.

**SIGN AND POSTER PROGRAM - FSM 7160.2**

1. Support accomplishment of management area direction contained in the Forest plan for the administration, protection, management, and use of NFS lands.
2. Provide information for the safety, enjoyment and convenience of National Forest and Grassland visitors, users, cooperators, and employees.
3. Provide information about geographic and historical features, and the use, management, and research activities on the National Forests and Grasslands.
4. Identify NF and Grassland facilities and land.

**ENERGY MANAGEMENT - FSM 2170.2**

The objectives of energy management are to:

1. Conserve energy in the conduct of Forest Service programs and in the operation of Forest Service programs and in the operation of Forest Service facilities, and to improve efficiency in the production and use of wood products.
2. Minimize undesirable consequences associated with development of renewable and nonrenewable energy sources extracted from forest lands.
3. Facilitate recovery of fuels from forest lands and implement programs to support production and use of alternative fuels.
4. Provide leadership and support for environmentally acceptable and scientifically sound development, production, and use of all energy resources from lands.