

Inventory of State and Local Governments' Conservation Initiatives for Sage-Grouse



2014 Appendix

MARCH 2015

WESTERN
GOVERNORS'
ASSOCIATION

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Program	California	Annual monitoring	The Department, with the help of other agencies, annually conducts sage-grouse lek counts of all known leks in California to determine population trends and estimate size. Additionally, intensive aerial surveys are conducted periodically to find new leks.	Statewide		Implemented-Ongoing	Protection of lek sites and priority habitat areas
Regulation	California	Annual recommendations for sage-grouse hunting in CA	The Department of Fish and Wildlife annually makes recommendations to the Fish and Game Commission for sage-grouse hunting, including areas open to hunting and the number of hunting permits for each area. These recommendations are based on annual lek counts in a highly conservative population and allowable harvest models. Several areas with smaller populations are closed to hunting in California. Emergency action was taken by the California Fish and Game Commission in 2012 to reduce permits to zero in both Lassen Zones following large-scale wildfire. Hunting has continued through 2014 only in the North Mono Zone where populations have been at record high levels.	Statewide	www.fgc.ca.gov , www.wildlife.ca.gov	Implemented	Assurance that hunting does not impact sage-grouse population
Local Working Group and Conservation Plan	California	Devil's Garden/Clear Lake Sage-Grouse Conservation Plan and Local Working Group	The Devil's Garden/Clear Lake Sage-Grouse Conservation Plan was released in 2009. The plan focuses on the recovery of sage-grouse in the Devil's Garden, which has only one known remaining lek, located on the Clear Lake National Wildlife Refuge. Grouse have been translocated from Oregon and Nevada since 2005 to prevent extirpation of the population. Significant reduction of juniper has already been undertaken in the area with additional plans for habitat restoration. The Local Working Group meets regularly to implement the plan.	Modoc County, CA	www.wildlife.ca.gov	Ongoing implementation	Expansion of sage-grouse population into historic range and habitat improvements to facilitate sage-grouse expansion

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Local Working Group and Conservation Plan	California	Buffalo-Skedaddle Sage-Grouse and Sagebrush Conservation Plan and Local Working Group	The first Buffalo-Skedaddle Sage-Grouse and Sagebrush Conservation Plan was released in 2006 covering Lassen and southern Modoc counties, CA, and a portion of western Washoe County, NV. The Rush Fire of 2012 burned more than 300,000 acres of this area, and the Local Working Group is currently meeting monthly to develop an updated plan and implement actions.	Lassen and Modoc counties, CA, and a portion of western Washoe County, NV	www.ndow.org ; www.wildlife.ca.gov	Ongoing implementation	Enhanced conservation of sage-grouse and habitat improvement acreage in NE CA.
Local Working Group and Conservation Plan	California	Bi-State Sage-Grouse Executive Oversight Committee, Local Working Group, and Conservation Action Plan	The Bi-State Local Working Group covers the Bi-State Distinct Population Segment and includes CA and NV. In 2012, a new Executive Oversight Committee was developed by Directors of state and federal agencies in both states to provide support at the highest levels for sage-grouse conservation. A new Action Plan was completed in 2012 and these groups meet monthly in an aggressive attempt to implement conservation actions in the plan.	Bi-State Distinct Population Segment including Mono and portions of Alpine and Inyo counties, CA, and portions of western Nevada	www.ndow.org ; www.wildlife.ca.gov	Ongoing implementation	Ensure collection of inventory and monitoring data on sage-grouse distribution in bi-state; increased knowledge of the population; improved conservation and enhancement of habitat.
State-Federal Partnership	California	CA/NV Subregional Land Use Planning and Priority Areas for Conservation	California is working as a cooperating agency with the CA/NV Subregion in revising Land Use Plans and identification of Priority Areas for Conservation (PAC). Both agencies developed a Preliminary Priority Habitat Map in 2012, which was updated in 2014 to support Interim Guidance to provide regulatory mechanisms to conserve sage-grouse habitats. Final PACs and specific conservation measures for the CA/NV subregion are being developed in associated Environmental Impact Statements towards new Land Use Plans.	Statewide	www.blm.gov	Public review	New Bureau of Land Management (BLM) Resource Management Plans in 2015. Improved capability for protection from wildfire on BLM lands.

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Policy	Colorado	Gunnison Sage-Grouse Rangewide Conservation Plan, April 2005	Colorado Parks and Wildlife (CPW), along with Colorado and Utah, Federal and state land and wildlife management agencies, designed this plan to conserve and enhance populations of Gunnison sage-grouse (GuSG) by increasing the abundance and viability of Gunnison sage-grouse and its habitat. This plan identifies measures and strategies to achieve this goal. The guiding principles of this plan are to (1) encourage and support conservation actions that meet the needs of GuSG and that promote diverse economic communities or minimize impacts to communities; (2) manage for a healthy sagebrush steppe ecosystem so that other sagebrush obligate species in the system will benefit; (3) create a plan that will be flexible enough to incorporate GuSG research findings and successful management practices into conservation actions (4) acknowledge the pivotal role private landowners and local work groups play in the recovery effort; and (5) maintain an atmosphere of cooperation, participation and commitment among wildlife managers, landowners, private and public land managers, other stakeholders and interested public in development and implementation of conservation actions.	Entire Gunnison sage-grouse population located in Colorado and Utah	Gunnison Sage-Grouse Rangewide Steering Committee. 2005. Gunnison sage-grouse rangewide conservation plan. Colorado Division of Wildlife, Denver, CO. http://cpw.state.co.us/learn/Pages/GunnisonSage-grouseConservationPlan.aspx	Implemented	The policy directs the work of CPW and other agency staff with regards to conservation philosophy and management actions.

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Conservation Plans	Colorado	Gunnison Sage-Grouse Rangewide Conservation Plan (RCP), April 2005	Colorado rangewide and local state conservation plans are intended to help reach the goal of increasing the current abundance and viability of sage-grouse and their habitat. The purpose of these plans is to identify measures and strategies to achieve this goal. Gunnison RCP provides a comprehensive conservation assessment and a conservation strategy.	All Gunnison sage-grouse habitats in Colorado and Utah. GUNNISON SAGE GROUSE: 2013 Conservation Agreement with 11 participating counties and the State of Utah. <ul style="list-style-type: none"> • 2005. Gunnison sage-grouse rangewide conservation plan. • San Miguel Basin Gunnison sage-grouse Conservation Plan 2009. • Gunnison County sage-grouse Conservation Action Plan 2009. • Crawford Area Gunnison sage-grouse Conservation Plan 2011. • Gunnison sage-grouse Conservation Plan, Dove Creek Colorado 1998. • Gunnison sage-grouse Conservation Plan, Piñon Mesa Colorado 2000. • The Poncha Pass Gunnison sage-grouse Conservation Plan 2000. 	Gunnison Sage-Grouse Rangewide Steering Committee. 2005. Gunnison sage-grouse rangewide conservation plan. Colorado Division of Wildlife, Denver, CO. http://cpw.state.co.us/learn/Pages/GunnisonSage-grouseConservationPlan.aspx	Ongoing	In October 2014, Colorado Parks and Wildlife summarized conservation actions completed pursuant to the Rangewide Conservation Plan. Categories include population trends, translocations, habitat protection, and habitat treatments. Specific outcomes in pursuit of conservation plan objectives are detailed in the habitat protection and habitat treatment entries.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Colorado	Gunnison Sage-Grouse (GuSG) - Candidate Conservation Agreements with Assurances (CCAA)	In 2006, Colorado Parks and Wildlife finalized an umbrella CCAA with the US Fish and Wildlife Service (USFWS) for the Gunnison Sage Grouse. The goal of CCAA is to reduce threats and help provide for secure, self-sustaining populations by protecting, maintaining, and enhancing or restoring non-federally owned GuSG habitats. The purpose of this CCAA is for the Service to join with the Colorado Division of Wildlife and participating private landowners to implement conservation measures for Gunnison Sage-grouse in a manner that is consistent with the Service's Policy on Candidate Conservation Agreements with Assurances and applicable regulations. The conservation goal of this Agreement is to achieve the protection and management necessary to preclude listing by obtaining agreements for grouse habitat protection and/or enhancements on private lands.	All Gunnison Sage-grouse Populations in Colorado.		Program fully implemented; however monitoring will continue for the life of the agreement (20 years). In 2014, CPW worked with the USFWS to convert the pre-listing Conference Opinion addressing the CCAA to a Biological Opinion. This conversion was required by the change in status of GuSG to a threatened species.	A total of 40 Certificates of Inclusion (CI's) encompassing 93,825 acres were completed at a cost of more than \$522,000. This cost does not include permanent staff time involved in CCAA development, writing or monitoring. Completed monitoring reports have been filed on 20 CI's and the remaining CI's have monitoring scheduled for 2015. In the Gunnison Basin populations we reached 99% of the target number of acres. In the Crawford population, we reached 102% of the goal. In the Piñon Mesa population we reached 217% of the goal, and in San Miguel we reached 45% of the target. Although 5 baseline reports were completed in the Dove Creek, Poncha Pass, and Cerro Summit/ Sims Mesa populations, land owners in these populations ultimately were not interested in the program.
Initiative	Colorado	GuSG-Conservation Agreement	In 2013 the State of Colorado and the State of Utah along with 11 local governments entered into a Conservation Agreement for cooperation, collaboration and partnership for fostering conservation efforts for the Gunnison Sage-grouse. The parties to this agreement have further committed to amending the 2005 Gunnison Sage-grouse Rangewide Conservation Plan and adoption of the same and implementation of the Habitat Prioritization Tool.	The following Colorado counties: Delta, Dolores, Gunnison, Mesa, Montrose, Ouray, Saguache and San Miguel. Along with San Juan County, Utah.		Implemented	Monthly meetings serve as a forum for collaboration and planning. Counties have agreed to the development of a Habitat Prioritization Tool and potential implementation of land use regulations. Expected outcomes are described in detail in the county section.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Colorado	GuSG Habitat Protection	Beginning in 2003, Colorado Parks and Wildlife started a habitat protection initiative for Gunnison sage-grouse.	All Gunnison sage-grouse populations in Colorado.	Compiled by Gunnison County staff (as of 8/2014)	Ongoing	Since 2003, over 126,217 acres of Gunnison sage-grouse habitat has been protected either through fee title purchase or conservation easement. This value includes conservation easements from all entities (e.g., CPW, land trust organizations, NGOs, etc.). CPW acquisition costs since 2003 total approximately \$35.2 million dollars. Within GuSG range, 61% of USFWS Critical Habitat has some level of protection via federal or CPW ownership or private lands with either a Conservation Easement (CE) or CCAA. Of private lands rangewide, 22% are protected by either a CE or a CCAA. In the largest population, Gunnison Basin (which has 84% of the rangewide population), 83% of USFWS Critical Habitat has some level of protection via federal or CPW ownership or private lands with either a CE or CCAA. Of private lands in Gunnison Basin, 46% are protected by either a CE or a CCAA.
Habitat Project	Colorado	GuSG - Habitat Treatments	Habitat loss and degradation is a key threat identified within the conservation plans and by the USFWS. Habitat treatments are implemented to improve habitat quality or restore habitat functions where these have been degraded or lost.	All Gunnison sage-grouse populations in Colorado.		Ongoing	Since 2000, habitat treatment projects in GuSG habitat have occurred on over 36,000 acres.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Annual Operations/ Budget	Colorado	Gunnison Sage-Grouse Annual Operations	Colorado Parks and Wildlife conducts annual operations for Gunnison sage-grouse in the principal population within the Gunnison Basin and in six outlying populations. Annual operations include lek counts for population trend, maintenance of local working groups, habitat enhancement/treatment, conservation easement monitoring, trap and transplant/population augmentation projects, and research.	All Gunnison sage-grouse habitats in Colorado.		Ongoing	Since 2005, Colorado Parks and Wildlife has expended more than \$7.1 million to conduct annual operations in support of Gunnison sage-grouse conservation (in addition to the figures for habitat protection and CCAA administration described elsewhere). Sources of expended monies include Great Outdoors Colorado wildlife quadrant funds, Colorado Game Cash (state hunting license proceeds), Colorado Species Conservation Trust Fund (mineral severance tax) and USFWS State Wildlife Grant funds. Colorado Parks and Wildlife maintains, on average, 7 full time employees who spend greater than 50% of their time implementing these Gunnison sage-grouse conservation efforts.
Initiative	Colorado	GuSG - Candidate Conservation Agreement for the Gunnison Sage-Grouse, <i>Centrocercus minimus</i> , Gunnison Basin Population, 2013	The Gunnison Basin Sage-grouse Strategic Committee facilitated this initiative. Along with Federal land management agencies (BLM, USFWS, US Forest Service, US National Park Service, National Resources Conservation Service), CPW, Gunnison and Saguache Counties, and the Gunnison Basin Sage-grouse Strategic Committee developed the Candidate Conservation Agreement (CCA) to promote conservation of the Gunnison Basin population of Gunnison Sage-grouse by addressing three categories of threats to sage-grouse habitat on federal public lands as identified in the 2010 FWS status review: development, recreation and grazing.	All Gunnison Sage-grouse Populations in the Gunnison Basin to include Gunnison County and Saguache County, Colorado.	Candidate Conservation Agreement for the Gunnison sage-grouse, <i>Centrocercus minimus</i> , Gunnison Basin Population. Final. September 2013.	Implemented. In 2014, Federal agencies (particularly BLM) worked with the USFWS to convert the pre-listing Conference Opinion addressing the CCAA to a Biological Opinion. This conversion was required by the change in status of GuSG to a threatened species.	The CCA will apply to development, recreation, and grazing actions on the approximately 395,000 federal acres of occupied habitat, or roughly two-thirds of the total 590,000 acres of occupied Gunnison sage-grouse habitat in the Basin. As noted in the USFWS 2010 status review, the Gunnison Basin population constitutes 87% of the overall population of Gunnison sage-grouse.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Policy	Colorado	Colorado Greater Sage-Grouse (GrSG) Conservation Plan, January 2008	<p>Colorado Parks and Wildlife, in concert with Federal and state land and wildlife management agencies, designed this plan to conserve and enhance populations of greater sage-grouse by increasing the abundance and viability of greater sage-grouse and its habitat.</p> <p>The broad goals of this plan are general statements about what needs to be accomplished to achieve the plan's purpose. Some of these goals are accomplished primarily within the plan itself, but most will result from implementation of the plan's recommendations. The goals are presented in no particular order of priority:</p> <ul style="list-style-type: none"> • maintain, enhance, and/or restore sage-grouse populations and their habitats • identify and discuss the primary issues potentially impacting sage-grouse populations • base management recommendations on Colorado-based research and data, whenever possible • manage for a healthy, sustainable sagebrush steppe ecosystem that will also benefit (and may prevent the decline of) other sagebrush obligate species • encourage and support conservation actions that benefit GrSG and that promote diverse economic communities, or that minimize impacts to those communities • provide coordinated sage-grouse conservation management across jurisdictional, ownership and local work group boundaries • provide statewide guidance, perspective and recommendations on GrSG conservation to local work groups • maintain an atmosphere of cooperation, participation and commitment among wildlife managers, landowners, private and public land managers, other stakeholders and interested public in the development and implementation of conservation actions 	Entire greater sage-grouse population located in Colorado.	<p>Colorado Greater Sage-Grouse Steering Committee. 2008. Colorado greater sage-grouse conservation plan. Colorado Division of Wildlife, Denver, CO.</p> <p>http://cpw.state.co.us/learn/Pages/GreaterSagegrouseConservationPlan2.aspx</p>	Implemented	The policy directs the work of CPW and other agency staff with regards to conservation philosophy and management actions for greater sage-grouse conservation.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Plans	Colorado	Colorado Greater Sage-Grouse Conservation Plan and Local Conservation Plans	Colorado rangewide and local state conservation plans are intended to help reach the goal of increasing the current abundance and viability of sage-grouse and their habitat. The purpose of these plans is to identify measures and strategies to achieve this goal. The Colorado greater sage-grouse plan provides a comprehensive conservation assessment and a conservation strategy.	All greater sage-grouse populations located in Colorado. <ul style="list-style-type: none"> • 2008 Colorado Greater Sage-grouse Conservation Plan. • Northwest Colorado Greater sage-grouse Conservation Plan . • North Park Greater Sage-grouse Conservation Plan 2001. • North Eagle/South Routt Greater Sage-grouse Conservation Plan 2004. • Middle Park Sage-grouse Conservation Plan 2004. • Parachute-Piceance-Roan (PPR) Greater Sage-Grouse Conservation Plan 2008. 	The Colorado Package and Synthesis Report are available on our website at http://cpw.state.co.us/learn/Pages/GreaterSagegrouseConservationPlan2.aspx	Ongoing	In January 2013, the Colorado Department of Natural Resources (DNR) in conjunction with relevant county, state, federal and private entities, provided a progress update to the USFWS (Regional Director Noreen Walsh) for every strategy identified in the Conservation Plan. This included assessments on implementation and effectiveness for each strategy. In August 2013, the FWS provided feedback and requested additional data. Areas that were considered strong include communication among stakeholders, identification of the biology and related issues, acquisition of conservation easements, and habitat improvement work. Areas where the FWS requested more information came from threats identified in the Conservation Objectives Team (COT) Report including implementation of oil and gas rules in GrSG habitat, pursuant to HB 07-1298, exurban development at the county level and livestock management. Colorado provided a “Colorado Synthesis Report” on April 22, 2014, in response to the FWS feedback. Specific outcomes in pursuit of conservation plan objectives are detailed in the habitat protection and habitat treatment entries.

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Plans	Colorado	GrSG Wildlife Mitigation Plans	Colorado Parks and Wildlife has entered Wildlife Mitigation Plan (WMP) agreements with 4 energy companies operating oil and gas extraction fields in the Parachute-Piceance-Roan greater sage-grouse population. These WMPs allow planning of oil and gas development parameters (locations, timing, best management practices and mitigation) at a development field scale, rather than to an individual well site scale.	Parachute-Piceance-Roan population within the greater sage-grouse range.		Ongoing	Colorado Parks and Wildlife has completed 4 Wildlife Mitigation Plans covering a total of 57,697 acres in the Parachute-Piceance-Roan population. These plans apply avoidance measures and Best Management Practices (BMP) including seasonal timing limitations, native vegetation reclamation, weed management and sound mitigation. Additional time is necessary to determine success. Implementation is ongoing and appears to have become institutionalized with the energy companies that are parties to the agreements. Follow up monitoring will be necessary to help determine effectiveness.
Initiative	Colorado	GrSG Habitat Protection	Beginning in 2003, Colorado Parks and Wildlife started a habitat protection initiative for greater sage-grouse.	All greater sage-grouse populations in Colorado.		Ongoing	Since 2003, over 80,600 acres of greater sage-grouse habitat has been protected by CPW either through fee title purchase or conservation easement at a cost of approximately \$52.8 million dollars.
Habitat Project	Colorado	GrSG - Habitat Treatments	Habitat loss and degradation is a key threat identified within the conservation plans and by the USFWS. Habitat treatments are implemented to improve habitat quality or restore habitat functions where these have been degraded or lost.	All greater sage-grouse populations in Colorado.		Ongoing	Since 2009, habitat treatment projects in GrSG habitat have occurred on over 21,150 acres and include 17 miles of fence modification or replacement.

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Annual Operations/ Budget	Colorado	Greater Sage-Grouse Annual Operations	Colorado Parks and Wildlife conducts annual operations for greater sage-grouse within the six populations in Colorado. Annual operations include lek counts for population trend, maintenance of local working groups, habitat enhancement/treatment, conservation easement monitoring, fine-scale habitat use monitoring, and research.	All greater sage-grouse habitats in Colorado.		Ongoing	Since 2005, Colorado Parks and Wildlife has expended more than \$9.2 million to conduct annual operations in support of greater sage-grouse conservation (in addition to the figures for habitat protection described elsewhere). Sources of expended monies include Great Outdoors Colorado wildlife quadrant funds, Colorado Game Cash (state hunting license proceeds), Colorado Species Conservation Trust Fund (mineral severance tax) and USFWS State Wildlife Grant funds. Colorado Parks and Wildlife maintains, on average, nine full time employees who spend greater than 50% of their time implementing these greater sage-grouse conservation efforts.

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Research	Colorado	GuSG and GrSG Research	Colorado Parks and Wildlife maintains a distinct research unit to conduct key research projects in support of conservation delivery for Gunnison and greater sage-grouse. Key research efforts include development of Colorado-specific estimates of sage-grouse behavioral and demographic variables, assessment and development of Colorado-specific habitat structure guidelines, and development of rangewide and population specific seasonal habitat use predictions.	All greater and Gunnison sage-grouse populations in Colorado.		Ongoing	<p>Colorado Parks and Wildlife's Avian Research Unit is currently conducting research on the following:</p> <ul style="list-style-type: none"> • Using GPS Satellite Transmitters to Estimate Survival, Detectability on Leks, Lek Attendance, Inter-lek Movements, and Breeding-Season Habitat Use of Male Greater Sage-Grouse in Northwestern CO. • Evaluation of Alternative Population Monitoring Strategies for Greater Sage-Grouse in the Parachute-Piceance-Roan Population of Northwestern CO. • Evaluating Lek-Based Monitoring and Management Strategies for Greater Sage-Grouse in the Parachute-Piceance-Roan Population in Northwestern CO. • Assessment of Greater Sage-grouse Response to Piñon-Juniper Removal in the Parachute-Piceance-Roan Population of Northwestern CO. • Development of distribution models for management of greater sage-grouse in North Park CO.
Initiative	Colorado	GrSG and GuSG - State Land Board Realignment of Stewardship Trust and Habitat Assessment	The Colorado State Land Board (SLB) has undertaken two new stewardship projects to better manage and protect greater and Gunnison sage-grouse habitat on State Trust Land. The SLB has undertaken a comprehensive habitat assessment of lands that support greater or Gunnison sage-grouse habitat. The State Land Board has also undertaken a realignment of the Stewardship Trust to focus on species conservation including greater and Gunnison sage-grouse.	Entire greater and Gunnison sage-grouse populations located in Colorado.		Ongoing	In fall 2013, the SLB initiated a series of vegetation transects specifically designed to evaluate sage grouse habitat. In both GrSG and GuSG range, the SLB completed 135 habitat transects on approximately 64,000 acres of sage-grouse habitat. On the SLB realignment project, SLB staff has nominated properties to the Stewardship Trust based on greater and Gunnison sage-grouse habitat. All SLB lands that contain or are adjacent to leks have been nominated. The Board's final action on the Stewardship Trust Realignment is expected in April 2015.

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Local Working Group	Colorado	GrSG and GuSG - Local Working Groups for both greater and Gunnison sage-grouse (See jurisdiction)	Local working groups (LWGs) are comprised of concerned citizens, researchers, and federal and state land and wildlife managers dedicated to developing grouse conservation strategies at the local level. All rangewide, state and local conservation plans were developed in collaborative effort. In the GrSG range, LWGs occur in five of the six populations and in the GuSG range, LWGs occur in six of the seven populations.	All Gunnison sage-grouse habitats in Colorado and Utah and all greater sage-grouse habitats in Colorado. GUNNISON SAGE GROUSE: <ul style="list-style-type: none"> • Gunnison Sage-grouse Rangewide Steering Committee. • San Miguel Basin Local Working Group. • Gunnison Basin Sage-grouse Strategic Committee. • Crawford Area Local Working Group. • Dove Creek Local Working Group. • Piñon Mesa Gunnison Sage-grouse Partnership. • Poncha Pass Gunnison Sage-grouse Working Group. GREATER SAGE-GROUSE: <ul style="list-style-type: none"> • Colorado Greater Sage-grouse Steering Committee • Northwest Colorado Greater Sage-grouse Working Group. • North Park Sage-grouse Working Group. • Northern Eagle/Southern Routt Work Group. • Middle Park Sage-grouse Working Group. • Parachute-Piceance-Roan (PPR) Greater Sage-Grouse Work Group. 	http://cpw.state.co.us/learn/Pages/SagegrouseLocal-GroupPlans.aspx	Implemented	Local working groups meet annually. These groups maintain open lines of communication with local communities, facilitate communication, serve as sounding boards for prioritization of conservation efforts and assist with research design.

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Initiative	Colorado	GrSG and GuSG - Private Lands Biologist Program.	Colorado Park and Wildlife, working in partnership with the National Resources Conservation Service (NRCS) and Rocky Mountain Bird Observatory, has hired five private lands biologists. These biologists provide technical assistance to private landowners for sage-grouse habitat restoration and enhancement as well as rangeland management assistance for projects to restore or enhance sage steppe habitat as part of implementing NRCS Sage-Grouse Initiative programs for both greater and Gunnison sage-grouse in Colorado. The primary responsibility of the Biologists is to provide biological technical and program support for Farm Bill programs including Working Lands for Wildlife (WLFW) the Wetlands Reserve Program (WRP), the Conservation Reserve Program (CRP), the Environmental Quality Incentives Program (EQIP), Agricultural Land Easement Program (ALE), and Conservation Technical Assistance (CTA) program. The Biologists work in NRCS offices to assist landowners in implementing species and habitat conservation efforts on their lands.	All greater and Gunnison Sage-grouse populations in Colorado.		Ongoing	Efforts include designing conservation plans for landowners to ensure biological considerations are addressed and to provide biological training and technical support. The wildlife biologists also work with the other local partners in identifying and implementing information and education programs (exhibits, tours, workshops, demonstrations, etc.) to enhance private landowner and resource professional understanding of how habitat conservation and agricultural considerations can be integrated. Outcomes include targeted application of farm bill funds to Gunnison sage-grouse and greater sage-grouse habitat enhancement and restoration projects. This partnership has resulted in increased access to private lands for project implementation and has provided significant federal funds allowing CPW funds, contributed to be leveraged by one to three times.
Executive Order	Idaho	Executive Order #2012:02 establishing the Governor's Sage-grouse Task Force	A 15 member citizen task force was formed to provide the Governor with recommendations on policies and actions as a backdrop for developing a state-wide regulatory mechanism to preclude the need to list greater sage-grouse.	Statewide	http://gov.idaho.gov/mediacenter/execorders/eo12/eo_12_02.pdf	Completed	Recommendations developed and submitted to Governor's Office.
Resolution	Idaho	Idaho Legislature	Idaho's Legislature endorsed and encouraged Governor Otter in his efforts with the Sage-grouse Task Force including the Governor's coordinated involvement of state agencies.	Statewide		Completed	Legislative support

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Resolution	Idaho	Idaho Republican Party Resolution 2013-35, passed by the Idaho Republican Party at their annual party meeting	The Idaho State Republican party will work at all levels of local, state and federal governments to assure that the collaborative scientific approach utilized by the State of Idaho thus far in the conservation efforts on behalf of the bird be recognized for its productive approach and be continued to develop solutions to minimize threats to the bird.	Statewide			
Task Force	Idaho	Governor's Sage-grouse Task Force	Idaho Sage-grouse Task Force developed and submitted recommendations to Idaho's Governor for regulatory mechanism conserving greater sage-grouse.	Statewide	http://fishandgame.idaho.gov/public/wildlife/SGtask-Force/finalRecommendations.pdf	Completed	
State Alternative	Idaho	Governor's Office	Governor's office developed and submitted a state plan of regulatory mechanism as an alternative in BLM's Environmental Impact Statement analyzing alternatives for revising land-use plans (LUPs) for lands that include sage-grouse habitat to incorporate consistent objectives and conservation measures by September 2014 in an effort to preclude the need to list the greater sage-grouse under the ESA.	Statewide		Completed	State's Alternative incorporated into BLM EIS
State Alternative	Idaho	Governor's Office	The State's Alternative is a co-preferred alternative in the BLM Idaho and Southwestern Montana Draft Land Use Plan Amendment and Environmental Impact Statement.	Statewide		Draft Environmental Impact Statement (DEIS) public comment period ended January 29, 2014.	Incorporate sage-grouse conservation measure as regulatory mechanisms in BLM and Forest Service (USFS) land use plans. Idaho co-preferred alternatives are being melded together to produce sage-grouse conservation measures that will be incorporated into federal land use plans. This action addresses all COT Conservation Objectives on BLM and USFS lands.

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Funding Initiative	Idaho	Governor's Office	The Governor's Office requested and the Idaho Legislature approved a \$250,000 supplemental to the FY14 (July 2013 - June 2014) and \$250,000 for the FY15 (July 2014 - June 2015) budgets to fund additional lek monitoring during spring 2014 and habitat restoration on state and private lands.	Statewide. Habitat restoration work focused on private and state lands.		Completed	Lek monitoring included aerial surveys in areas with limited or no on-the-ground access and ground monitoring of other leks. Habitat restoration included reseeding wildfire burned areas and juniper removal on state and private lands. Acres are included in acreage reported under Habitat Conservation in other lines of this report.
Initiative	Idaho	Farm Bill biologists for sage-grouse conservation	Idaho Department of Fish and Game, Pheasants Forever, Intermountain West Joint Venture, and Natural Resources Conservation Service fund three full-time Farm Bill biologists in strategic area for sage-grouse conservation in Idaho. The biologists provide technical and financial assistance to private and public landowners interested in implementing sage-grouse conservation measures.	Statewide focused on private and states lands, but includes federal lands.		Ongoing implementation	This action addresses COT Conservation Objectives. Conservation Objective: Retain and restore healthy native sagebrush plant communities with the range of sage-grouse; Maintain and restore healthy, native sagebrush plant communities; Avoid sagebrush removal or manipulation in sage-grouse breeding or wintering habitats; Conservation Objective: Conduct grazing management for all ungulates in a manner consistent with local ecological conditions that maintains or restores healthy sagebrush shrub and native perennial grass and forb communities and conserves the essential habitat components for sage grouse (e.g. shrub cover, nesting cover). Areas which do not currently meet this standard should be managed to restore these components. Adequate monitoring of grazing strategies and their results, with necessary changes in strategies, is essential to ensuring that desired ecological conditions and sage-grouse response are achieved; Avoid or reduce the impact of range management structures on sage grouse.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Idaho	Mule Deer Initiative habitat program	Idaho Department of Fish and Game's Mule Deer Initiative habitat program focuses on several large scale projects, including juniper removal and planting thousands of sagebrush plants in mule deer range, some of which will improve sage-grouse habitat.	Statewide		Ongoing implementation	Increase in sage-grouse habitat. These projects demonstrate that conservation projects targeting one species (i.e. mule deer) can benefit other species (e.g. sage-grouse).
Partnerships	Idaho	Rural Land Fire Protection Association	Five Rural land Fire Protection Associations (RFPAs) have been created and funded, thereby allowing private landowners and agency (local, state, and federal) fire management coordination to improve initial attack on wildfires. The five RFPAs cover approximately 3.58 million acres including 686,000 private acres and 2.898 million state and federal acres. The five RFPAs include 230 ranchers and other private citizens. An additional RFPA is expected to be operational by the 2015 fire season. Citizens are interested in developing four additional RFPAs.	Statewide on all land ownerships.		Ongoing implementation	Decrease response time to local wildfire and reduction in acres burned. It can be difficult to directly quantify the important work that RFPAs do. However, as an example, the area in which Saylor Creek and Three Creek RFPAs have coverage has been the host of multiple fires over the past 10 years, including the Murphy Complex of over 600,000 acres. In the 2012 season there were 20 starts. One of those starts resulted in a 210,368 acre fire. Total acres burned in 2012 were 221,739. The RFPAs began assisting the BLM as suppression partners in the 2013 season. Although we had 25 starts in 2013, the RFPAs were able to keep each one relatively small in size, the largest fire being 5,448 acres with total burned acres just over 25,000 acres. In 2014, although there were only nine starts, all fires were kept under 400 acres and only 900 acres burned. This action addresses COT Conservation Objective: Retain and restore healthy native sagebrush plant communities within the range of sage-grouse.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Idaho	Fence markers collaborative program	Idaho Department of Fish and Game, Idaho Rangeland Resource Commission, and U.S. Fish and Wildlife Service partnership fund Future Farmers of America (FFA) local chapters to manufacture fence markers. Members of FFA chapters and sage-grouse local working groups will install the fence markers on fences near sage-grouse leks to reduce sage-grouse collisions with fences.	Statewide on all land ownerships.		Ongoing implementation	Reduced sage-grouse collisions with fences near leks. This action addresses COT Conservation Objective: Minimize the impact of fences on sage-grouse populations.
Strategic Plan	Idaho	Idaho Invasive Species Strategic Plan 2012-2016	This Invasive Species Strategic Plan includes all taxa (plants and animals). The plan includes multiple objectives that strengthen Idaho's resolve to combat noxious and undesirable weeds that impact sage-grouse habitat by assessing invasive species pathways, developing education and outreach tools, calling for effective monitoring and surveillance, habitat rehabilitation, and adequate regulatory tools.	Statewide on all land ownerships.	http://www.agri.idaho.gov/Categories/PlantsInsects/NoxiousWeeds/Documents/Idaho%20Invasive%20Species%20Strategy%202012-2016.pdf	Ongoing implementation	Reduced noxious weeds in sage-grouse habitat. This action addresses COT Conservation Objective: Maintain and restore healthy, native sagebrush plant communities.
Conservation Plan & Local Working Groups	Idaho	Conservation Plan for the Greater Sage-grouse in Idaho	Conservation plan has 149 conservation measures for sage-grouse habitat and populations in Idaho. This is an ongoing plan with state, federal partners and 11 working groups and nine of those have completed plans. Long list of conservation measures addressing threats to greater sage-grouse in local planning areas. Each local working group plan has various conservation measures addressing local threats.	Statewide on all land ownerships.	http://fishandgame.idaho.gov/public/wildlife/sageGrouse/	Annual review of implementation	Improved communications and implementation of sage-grouse management at the local scale.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Legislative Intent	Idaho	2013 Legislative Intent	2013 Legislative Intent directs Idaho Department of Fish and Game to spend up to \$100,000 controlling ravens and studying the impact on sage-grouse.	Statewide on all land ownerships.		Idaho Department of Fish and Game and U.S. Wildlife Service are writing application for USFWS permit to take ravens.	Assess raven population in sage-grouse habitat, identify anthropogenic influences supporting raven populations, implement lethal control methods in short-term, and consider passive control methods for long-term, and assess sage-grouse population trend in control areas.
Regulation	Idaho	Annual recommendations for sage-grouse hunting	Idaho Fish and Game Commission annually proclaim rules governing sage-grouse hunting seasons, and bag and possession limits in Idaho. The Department has spent approximately \$121,500 on season setting and harvest assessment between 2010-2014.	Statewide on all land ownerships.	http://www.legislature.idaho.gov/idstat/Title36/T36CH1SECT36-104.htm	Implemented annually	Evaluation of hunter harvest and sage-grouse annual productivity

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Governor's Budget Request	Idaho	Fiscal Year 2016 (July 2015-June 2016)	The Governor's budget proposal includes \$750,000 for sage grouse management in Fiscal Year 2016 including commitments to habitat work, mitigation planning, and conservation on endowment and private lands. Funding breakout as follows: Conservation Initiative on State Endowment Lands (\$250,000), Conservation Initiative on Private Lands (\$250,000), and Conservation Projects such as lek monitoring and Rural land Fire Protection Associations (\$250,000).	Statewide focused on private and state lands.	http://dfm.idaho.gov/fy2016/eb/sectiona/high-lights.pdf	Budget submitted to Idaho Legislature for consideration during 2015 session.	Expected outcomes include: development of a state mitigation program for sage-grouse; matching private lands funding (e.g. NRCS Sage Grouse Initiative) to implement sage-grouse conservation (e.g. fire prevention, fire rehab, invasive species management) on private lands in high priority areas; implement sage-grouse conservation (e.g. fire prevention, shrub-steppe restoration after fire, invasive species management) on endowment lands; increased lek motorizing; increased coordination across jurisdictional boundaries (i.e. private, state, federal). This action addresses COT Conservation Objectives: Retain and restore healthy native sagebrush plant communities within sage-grouse habitat; Conduct grazing management for all ungulates in a manner consistent with local ecological conditions that maintains or restores healthy sagebrush shrub and native perennial grass and forb communities and conserves the essential habitat components for sage grouse (e.g. shrub cover, nesting cover). Areas which do not currently meet this standard should be managed to restore these components. Adequate monitoring of grazing strategies and their results, with necessary changes in strategies, is essential to ensuring that desired ecological conditions and sage-grouse response are achieved; Avoid or reduce the impact of range management structures on sage grouse; Remove pinyon-juniper from areas of sagebrush that are most likely to support sage-grouse (post-removal) at a rate that is at least equal to the rate of pinyon-juniper incursion.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Regulation	Idaho	Conservation Easement	Conservation easements on 65,000+ private acres within Core and Important sage-grouse management zones. Easements protect habitat from large infrastructure development, subdivision, or conversion and implement conservation practices (e.g. grazing management).	Statewide with focus in the Mountain Valleys Conservation Area.	http://www.nrcs.usda.gov/wps/portal/nrcs/detail/id/newsroom/releases/?cid=STELPRD B1263898	Ongoing	This action addresses COT Conservation Objectives: Limit urban and exurban development in sage-grouse habitats and maintain intact native sagebrush plant communities; Avoid further loss of sagebrush habitat for agricultural activities (both plant and animal production) and prioritize restoration. In areas where taking agricultural lands out of production has benefited sage-grouse, the programs supporting these actions should be targeted and continued (e.g. CRP/State Acres for Wildlife Enhancement). Threat amelioration activities should, at a minimum, be prioritized within PACs, but should be considered in all sage-grouse habitats.
Initiative	Idaho	Habitat Conservation	Idaho Department of Fish and Game, Local Working Groups, private landowners, Future Farmers of America school groups, and volunteers marked, removed, or modified 183 miles of fence to reduce the likelihood of sage-grouse collisions with fence.	Statewide		183 miles of fence completed. Additional fences will be marked, removed, or modified as needed.	Marking, removing, or modifying fences will reduce fence/grouse collisions (Stevens et. al. 2012) resulting in reduced sage-grouse mortality due to this threat. This action addresses COT Conservation Objective: Minimize the impact of fences on sage-grouse populations.
Initiative	Idaho	Habitat Conservation	Idaho Department of Fish and Game, Local Working Groups, private landowners, Idaho Department of Lands have implemented 57 habitat restoration (e.g. fire rehab, shrub seedling plantings, and wet meadow and riparian restoration) on 17,528 acres primarily of private and state lands.	Statewide focused on private and state lands.		Implemented	Improved sage-grouse nesting and brood-rearing habitats, and restoration of lost habitats due to wildfire.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Idaho	Habitat Conservation	Since 2012, Idaho Department of Lands with assistance from Idaho Department of Fish and Game and Local Working Groups has improved sage-grouse habitat on Endowment Lands by removing junipers from 9,309 acres, reseeded 1,792 acres where junipers were removed, reseeded 13,037 acres of wildfire burned sage-grouse habitat, and did brush manipulation on 336 acres. In addition, 1.32 miles of fence was marked, removed, or modified to reduce sage-grouse collisions with fences. State agencies and partners spent approximately \$4,044,000.	Statewide on Endowment Lands		Completed	Improved sage-grouse nesting and brood-rearing habitats, and restoration of lost habitats due to wildfire. These actions address Conservation Objectives: Remove pinyon-juniper from areas of sagebrush that are most likely to support sage-grouse (post-removal) at a rate that is at least equal to the rate of pinyon-juniper; Maintain and restore healthy, native sagebrush plant communities; Retain and restore healthy native sagebrush plant communities within the range of sage-grouse.
Research	Idaho	Evaluate nutritional ecology of sage-grouse during winter and early spring	Greater Sage-grouse (<i>Centrocercus urophasianus</i>) are sagebrush (<i>Artemisia</i> spp.) obligates, relying on sagebrush for both food and shelter. Structural habitat components have been researched extensively, but dietary components of sagebrush habitat have just recently surfaced as important drivers for habitat use at multiple spatial scales. We are presently assessing the nutritional and chemical characteristics of various sagebrush species, and their influences on habitat use and reproductive effort of sage-grouse.	Statewide		Ongoing	Refined management direction for sage-steppe habitats and seed collection.
Research	Idaho	Grouse and Grazing: Does Spring Livestock Grazing Influence Sage-grouse Populations?	A series of replicated field experiments to rigorously evaluate the effects of different spring grazing intensities on demographic traits and habitat characteristics of sage-grouse. The results will help guide management actions and inform policy decisions in sage-grouse habitat. Project cooperators include University of Idaho, Idaho Cooperative Research Unit, Idaho Department of Fish and Game, BLM, and Idaho Cattle Association.	Statewide		Ongoing. Field work began in 2014. Proposed 10 year study.	Information that can guide management and policy decisions in sage-grouse habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Research	Idaho	Multiple research projects	"Factors Influencing the Ecology of Greater Sage-Grouse Inhabiting the Bear Lake Plateau and Valley, Idaho-Utah. A Method for Estimating Population Sex Ratio for Sage-Grouse Using Non-Invasive Genetic Samples. Effects of Landscape-Scale Environmental Variation on Greater Sage-Grouse Chick Survival. Mapping Sage-Grouse Fence-Collision Risk: Spatially Explicit Models for Targeting Conservation Implementation. Greater Sage-Grouse Lek Attendance Rates in Southern Idaho: Visibility Bias for Sage-Grouse Lek Counts. Phytochemistry Predicts Habitat Selection by an Avian Herbivore at Multiple Spatial Scales. Response of Greater Sage-Grouse to Wind Power Development in Idaho: Final Report. "	Statewide	https://collaboration.idfg.idaho.gov/WildlifeTechnicalReports/F12AF00801%20Wildlife%20Research-PR13.pdf	Completed	Management recommendations for land use decisions and monitoring and population assessment techniques.
Funding Summary	Idaho	Funding Summary	Idaho Department of Fish and Game has spent approximately \$4.8 million on sage-grouse between 2010 and 2014. Expenditures include cost of research, technical assistance, habitat restoration, development, and management, harvest season setting and assessment, enforcement, and public outreach.	Statewide		Completed	Research outcomes (e.g. Stevens et.al. 2012) helped guide management decisions. Technical assistance helped guide proposed land management projects on federal, state, and private lands. Habitat was restored (see notes under other headings) in wildfire areas and juniper removal areas. Conservative harvest seasons were set, enforced, and assessed in areas that could support a harvest season. Other areas were closed to hunting sage-grouse.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Project	Idaho	Conifer removal in Burley Area	Removed junipers in sage-grouse habitat in the Burley BLM District area on federal, state, and private lands. Project lead by Pheasants Forever with funding provided by BLM, Idaho Department of Fish and Game, NRCS, and private landowners.	Burley BLM District, including federal, state, and private lands.		Ongoing. Approximately 6,000 additional acres will be treated by 2016.	Junipers have been removed in approximately 14,000 acres. Sage-grouse have been documented using the treated areas.
Conservation Initiative	Idaho	Pioneer Alliance	Ranchers have enrolled approximately 46,000 acres under NRCS conservation programs with assistance provided by The Nature Conservancy and Wood River Land Trust.	Mountain Valleys Conservation Area		Ongoing as additional landowners are interested in the program.	Long-term conservation and restoration of sage-grouse habitat. This action addresses COT Conservation Objective: Limit urban and exurban development in sage-grouse habitats and maintain intact native sagebrush plant communities. Urban development is a primary threat in this area.
Conservation Project	Idaho	Rock Creek Purchase	Idaho Fish and Game Commission approved the purchase of the 10,400-acre Rock Creek Ranch. The Ranch has five sage-grouse leks, nesting and brooding habitat, and is classified as priority or important sage-grouse habitat. Acquisition is expected to close in 2015.	Mountain Valleys Conservation Area		Acquisition is expected to close in 2015.	Long-term conservation and restoration of sage-grouse habitat. This action addresses COT Conservation Objective: Limit urban and exurban development in sage-grouse habitats and maintain intact native sagebrush plant communities. Urban development is a primary threat in this area.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Projects	Idaho	NRCS summary	NRCS enrolled approximately 464,000 acres under their Sage-grouse Initiative between 2009-2014. Conservation practices implemented included: grazing management, fence marking or removal, pipeline installation, conifer removal, range seedings, and others.	Statewide with a focus on private lands but other landowners are eligible.	http://www.westgov.org/images/NRCS_Response.pdf	Ongoing	This action addresses COT Conservation Objectives: Maintain and restore healthy, native sagebrush plant communities, Avoid or reduce the impact of range management structures on sage grouse, Remove pinyon-juniper from areas of sagebrush that are most likely to support sage-grouse (post-removal) at a rate that is at least equal to the rate of pinyon-juniper incursion, Minimize the impact of fences on sage-grouse populations, Conduct grazing management for all ungulates in a manner consistent with local ecological conditions that maintains or restores healthy sagebrush shrub and native perennial grass and forb communities and conserves the essential habitat components for sage grouse e.g. shrub cover, nesting cover). Areas which do not currently meet this standard should be managed to restore these components. Adequate monitoring of grazing strategies and their results, with necessary changes in strategies, is essential to ensuring that desired ecological conditions and sage-grouse response are achieved.
Conservation Plan	Montana	Management Plan and Conservation Strategies For Greater Sage-Grouse In Montana	Montana Fish, Wildlife and Parks (MFWP) helped develop a conservation plan with affected agencies and stakeholders. The plan identifies key issues in the state and provides a framework and direction for conservation, as well as partner commitments.	Statewide	http://fwp.mt.gov/fishAnd-Wildlife/management/	Implemented - ongoing	Guiding document for sage-grouse conservation activities, especially as they relate to range management.
State-Federal Partnership	Montana	Priority areas for conservation	MFWP worked with BLM to identify areas of highest conservation priority for sage-grouse, coined "Core Areas." MFWP and partners have used this strategic habitat conservation approach to target conservation investment and apply protective measures.	Statewide		Implemented	Core Areas have been adopted by USFWS as Priority Areas for Conservation. Actions are prioritized by state and federal agencies in Core Areas, covering over 9 million acres.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Planning/ Research	Montana	Priority areas for conservation	Montana is working with other states to collect feathers on leks for genetic analysis, to determine gene-flow between leks. This will result in a better understanding of landscape features that support or inhibit connectivity to more effectively target conservation—within and between core areas.	Statewide		Analysis underway	Expected to influence identification of connectivity areas for future conservation action.
Program	Montana	Annual monitoring	Annually, MFWP conducts male counts on leks to determine population trends across their range in Montana.	Statewide		Implemented - ongoing	
Regulation	Montana	Annual recommendations for sage-grouse hunting in MT	Annually, MFWP sets hunting regulations based in part on results from lek monitoring.	Statewide		Implemented - ongoing	Lek monitoring data was the basis for modifications to Montana's hunting season in 2014.
Executive Order	Montana	Greater Sage-grouse Habitat Conservation Program	Governor Bullock issued an Executive Order in September 2014 establishing a statewide program and requiring state agency compliance. The program provides a regulatory structure for new development in sage-grouse habitat. Full implementation is dependent on legislative funding in 2015.	Statewide		Implemented - funding pending legislative approval	Executive Order that regulates sage-grouse habitat loss in Montana.
Executive Order	Montana	Montana Stewardship and Conservation Fund	As part of the Greater Sage-grouse Habitat Conservation Program Executive Order, Governor Bullock established a stewardship fund for habitat conservation work, primarily on private lands. Funding of the Stewardship fund is dependent on legislative funding in 2015. The Governor requested \$10 million for the biennium.	Statewide		Implemented - funding pending legislative approval	New source of incentive-based funding for voluntary conservation action on private lands.
Initiative	Montana	Land Projects – Conservation Easements	MFWP is working with partners to establish habitat conservation projects on strategic, privately-held sage-grouse habitats.	Statewide		Implemented - ongoing	FWP alone holds over 200,000 acres of sage-grouse habitat in perpetual conservation easement. Other federal and NGO partners easily double this number of acres protected.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Program	Montana	Lease Projects - Leases	MFWP holds approximately 200,000 acres of 30-year leases to protect sagebrush grassland habitats from conversion or fragmentation. MFWP is committed to administering and monitoring these leases over their duration. Montana FWP is planning to offer additional signups in 2015, if funding is available.	Statewide		Implemented	200,000 acres of sage-grouse habitat are protected from conversion to agriculture for 30 years. Additional acres may be enrolled in 2015, pending available funding.
Local Working Groups	Montana	Local Working Groups	Montana has 3 active sage-grouse local working groups. These groups have assisted in local planning, provided recommendations to agencies and industry on conservation issues, sponsored field tours for local producers, provided an effective forum for information exchange, and accomplished a variety of local habitat projects.	10-county area in NE, SE, and SW MT.		Implemented	
Local Working Group	Montana	Local Working Groups	In Central Montana, some key Conservation Districts and NRCS Local Working Groups have taken up sage-grouse conservation efforts. Their involvement has included hosting workshops, information outlet, and conservation program marketing.	5-county area in central MT.		Implemented	
Initiative	Montana	Habitat Conservation	MFWP is contributing toward a Farm Bill biologist position in Valley County to help advance the NRCS Sage-Grouse Initiative in that part of the state. Three similar positions are being supported by a variety of partners in north central, southeast, and southwest Montana.	Statewide		Implemented - ongoing	Additional capacity for delivering NRCS Farm Bill programs under the Sage-grouse Initiative on private lands
State-Federal Partnership	Montana	Habitat Conservation	MFWP is providing technical support to BLM and NRCS on strategies for advancing sage-grouse conservation across the state through technical committees, resource planning sessions, technical workshops, and project site visits.	Statewide		Implemented - ongoing	Improved communication and cooperation among the agencies that are actively involved in managing Sage-grouse.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
State-Federal Partnership	Montana	Fence markers collaborative program	MFWP, BLM, NRCS, Intermountain West Joint Venture, and Montana Association of Conservation Districts have developed a partnership to purchase bulk orders of fence markers and use volunteer groups to mark fences within core areas determined to be at the highest risk for collision (using the NRCS risk model).	Statewide		Being implemented	Enhance capacity for marking highest priority fences.
Research	Montana	Grazing Evaluation	MFWP has teamed with other partners, including NRCS, BLM and Universities to initiate an 8-10 year evaluation of grazing techniques and sage-grouse performance, to test the effectiveness of different grazing treatments and rotations.	Central Montana		Implemented - ongoing	Management recommendations for grazing in sage-grouse habitat.
Program	Montana	Translocations of greater sage-grouse	MFWP translocated Greater Sage-grouse to augment local populations in Alberta, Canada.			Implemented	Augmentation of Alberta population.
Conservation Plan & Local Working Groups	Nevada	Greater Sage-Grouse Plans and Local Working Groups	<p>In 2004, under former Gov. Guinn, seven local working groups developed plans that outlined conservation measures designed to improve habitat conditions and minimize habitat loss of sage-grouse in Nevada.</p> <p>The Bi-State local working group produced a conservation plan in 2004 that identified strategies to be employed to restore degraded habitat and provide protection to the remaining population. Several habitat and population monitoring projects were implemented as a result of the 2004 plan and efforts continue to update a database that adequately captures the nature and extent of these projects. Since production of that plan, an "action" plan was developed in 2012 and a subsequent State Plan was developed in 2014 that further evaluated and revised threats, identified projects to ameliorate those threats and developed an implementation schedule over the next ten years (See 2012 State Plan and 2014 State Plan below).</p>	Statewide	http://ndow.org	Being implemented	Identification of projects that could provide significant benefit to sage-grouse throughout Nevada and the Bi-State area.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
State-Federal Partnership	Nevada	Bi-State Population Executive Oversight Committee (EOC)	The Bi-State Executive Oversight Committee (EOC) was formed in 2011 to provide coordination among the agencies, set goals, direction and regulatory controls and to pool resources where feasible and practical on projects and research efforts designed to conserve the Bi-State sage-grouse population. Agency efforts are coupled with valuable input from local working groups composed of representatives from private landholders, agencies and organizations. This management oversight group has been instrumental in funding acquisition, personnel commitment and interagency coordination/resource sharing.	The Bi-State population boundaries in Nevada and California		Being implemented	Improved communication and cooperation among the agencies that are actively involved in managing sage-grouse and sage-grouse habitat in the Bi-State area.
State-Federal Partnership	Nevada	Implementation of the Sage Grouse Initiative (SGI)	Working with the Natural Resources Conservation Service (NRCS) to promote the SGI through Nevada Department of Wildlife biologists and shared positions with NRCS. Utilizing cooperative conservation efforts and staff to benefit sage-grouse, while protecting and restoring habitat. Farm Bill funds and programs are utilized through SGI to implement sage-grouse conservation.	Statewide		Being implemented	Increased sage-grouse conservation work through cooperative efforts utilizing Farm Bill Funding.
Conservation Plan	Nevada	Nevada NRCS Sage-Grouse Initiative Implementation Plan and Conservation Measures For Greater Sage-Grouse In Nevada	Nevada Department of Wildlife was involved in the development of the NV NRCS Sage-Grouse Initiative Implementation Plan and Conservation Measures For Greater Sage-Grouse in Nevada. The plan identifies key conservation issues in Nevada that NRCS can address through the Sage-Grouse Initiative and provides a framework along with direction for conservation practice implementation.	Statewide		Implemented	Increased sage-grouse conservation work through cooperative efforts utilizing Farm Bill Funding.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Nevada	Land Projects – Conservation Easements	Nevada Department of Wildlife is working with partners such as NRCS to establish habitat conservation easements on strategic, privately-held sage-grouse habitats. The NRCS easements are being funded through the Sage-Grouse Initiative.	Statewide		Multiple easements in progress and being completed. Ongoing cooperative effort.	Increased sage-grouse conservation through cooperative efforts utilizing Farm Bill and other funding to protect critical habitat.
Initiative	Nevada	Intermountain West Joint Venture/ Pheasants Forever/Natural Resources Conservation Service/Nevada Department of Wildlife-partnership to establish 2 shared biologist positions	Nevada Department of Wildlife has partnered with the Intermountain West Joint Venture, Pheasants Forever and the NRCS to establish 2 shared biologist positions to help advance the NRCS Sage-Grouse Initiative (one in Northeast Nevada and a 2nd position in Eastern and Central Nevada) with emphasis on sage-grouse conservation, habitat restoration, and Farm Bill implementation.	One position focusing on Northeast Nevada along with a 2nd position focusing on Eastern and Central Nevada		Implemented	Increased sage-grouse conservation work through cooperative efforts utilizing Farm Bill Funding.
Initiative	Nevada	Natural Resources Conservation Service/ US FWS-partnership to establish 1 shared field biologist position	Nevada Department of Wildlife actively supported USFWS partnering with the NRCS to establish 1 shared field biologist position to help advance the NRCS Sage-Grouse Initiative with emphasis on sage-grouse conservation and habitat restoration, and Farm Bill implementation with a special emphasis on the Bi-state sage-grouse population area in Western Nevada.	Bi-state sage-grouse area along CA/NV Border		Implemented	Increased sage-grouse conservation work through cooperative efforts utilizing Farm Bill Funding.
Initiative	Nevada	Natural Resources Conservation Service/Nevada Department of Wildlife-partnership to establish 1 shared Farm Bill Coordinator position	Nevada Department of Wildlife has partnered with the NRCS to establish 1 shared Farm Bill Coordinator position to help advance the NRCS Sage-Grouse Initiative with emphasis on sage-grouse conservation and habitat restoration, coordinating public and landowner outreach, and increasing Farm Bill implementation in Nevada.	Statewide		Implemented	Increased sage-grouse conservation work through cooperative efforts utilizing Farm Bill Funding. Increase public awareness and knowledge of sage-grouse issues, while facilitating increased private landowners involvement in sage-grouse conservation.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Nevada	Natural Resources Conservation Service/Nevada Department of Wildlife-partnership to establish 1 shared biologist position	Nevada Department of Wildlife has partnered with the NRCS to establish 1 shared biologist position to help advance the NRCS Sage-Grouse Initiative with emphasis on sage grouse conservation and habitat restoration, coordinating public and landowner outreach, and Farm Bill implementation in Western Nevada with a special emphasis on the Bi-state sage-grouse population area.	Western Nevada and Bi-state sage-grouse area along CA/NV Border		Implemented	Increased sage-grouse conservation work through cooperative efforts utilizing Farm Bill Funding. Increase public awareness and knowledge of sage-grouse issues, while facilitating increased private landowners involvement in sage-grouse conservation.
Initiative	Nevada	Natural Resources Conservation Service/Nevada Department of Wildlife-partnership to fund 1 shared position Nevada Partners for Conservation and Development (PCD)	Nevada Department of Wildlife has partnered with the NRCS to fund 1 shared position to help advance the NRCS Sage-Grouse Initiative with emphasis on sage-grouse conservation and habitat restoration, coordinating public and landowner outreach, developing the Nevada Partners for Conservation and Development (PCD), and increasing Farm Bill implementation in Nevada.	Statewide		Implemented	Increased sage-grouse conservation work through cooperative efforts utilizing Farm Bill Funding.
Initiative	Nevada	Nevada Partners for Conservation and Development	Modeled after the UtahPCD, the NevadaPCD is a unique partnership of several natural resource agencies and organizations committed to providing solutions to conservation issues including sage-grouse conservation. From Federal agency representation and State leadership, to local coordinators on the ground, the NevadaPCD members work together to leverage resources and increase effectiveness. Core values of the NevadaPCD are to protect Nevada's biological diversity, to restore productive rangeland ecosystems, to support wildlife and agriculture, and to provide high quality outdoor recreation opportunities.	Statewide	http://www.ndow.org/nevpcd	Ongoing implementation	Increased sage-grouse conservation work through cooperative efforts of various partners.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Resolution	Nevada	Assembly Concurrent Resolution No. 3-Committee on Natural Resources, Agriculture, and Mining	In the resolution, the Nevada Legislature urges each state and local governmental group involved in activities to improve the population of greater sage-grouse and to prevent the greater sage-grouse from being listed as an endangered or threatened species, to engage in those activities in a positive and proactive manner to ensure the protection and restoration of the population and habitat of the greater sage-grouse, and to mitigate any future damage to that habitat and population in Nevada. Further, the members of the 76th Session of the Nevada Legislature recognized the need for acquiring and maintaining sources of money and other funding to assist in the efforts to protect and restore the habitat and population of the greater sage-grouse.	Statewide	http://www.leg.state.nv.us/Session/76th2011/Bills/ACR/ACR3_EN.pdf	Issued to all parties who may have involvement with management of sage-grouse and sage-grouse habitat	Provides direction regarding management plans.
Habitat Project Implementation, Research, Land Acquisition	Nevada	Ruby Pipeline Habitat Enhancement Fund	The State of Nevada and Nevada Office of the BLM jointly received \$8.8 million to spend over the next 5 years for the benefit of sage-grouse and Pygmy rabbits in sagebrush habitat to offset impacts incurred by construction of a natural gas pipeline. Projects have included: noxious/invasive weed control, fencing, land acquisition, satellite collaring and telemetry, habitat enhancement through seeding and planting and support for siting Single Engine Air Tankers to provide for habitat protection from wildfires. To date more than \$3 million dollars have been spent for the benefit of these species.	Northern Washoe, Humboldt and Elko Counties in Nevada		Ongoing implementation	Habitat protection and improvement. Research to identify seasonal movements of sage-grouse.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Habitat Project Implementation	Nevada	Nevada Partners for Conservation and Development (NPCD)	Addresses specific sage-grouse habitat projects that are currently being implemented or have recently been completed. Recent and ongoing project work includes Pinyon-Juniper thinning and removal, sagebrush-grassland restoration, meadow restoration, spring protection and post-fire reseeding work. Project work is being implemented across much of Nevada's sage-grouse habitat. Current project work is occurring on approximately 950,000 acres. Projects are designed to be 'landscape scale' indicating positive ecosystem and habitat impacts beyond the footprint of the treatment. Approximately 90% of the acreage is public lands with the remainder being private. The NPCD provides project effectiveness monitoring and to date has approximately 1100 sampling locations in and around habitat project sites.	Statewide		Ongoing implementation	Provides for recovery, protection and enhancement of sage-grouse habitats located in various parts of Nevada.
Management Tools	Nevada	Restoration Value mapping and Habitat Categorization mapping	In 2011-2012, The Nevada Department of Wildlife, the Bureau of Land Management and other federal and state agencies developed habitat mapping tools to aid in the management of greater sage-grouse. These tools include a restoration value (R-Value) map identifying the needs to restore sage-grouse habitat and a Habitat Categorization Map that identifies the relative value of sage-grouse habitat based on its integrity, seasonal use by sage-grouse and current use by agencies and the public.	Statewide	http://www.ndow.org/Nevada_Wildlife/Sage_Grouse/	Implemented	The Nevada Management Categories map has been developed and supplants this map.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Plan	Nevada	Bi-State Action Plan. March 2012	In December 2011, the Bi-State Executive Oversight Committee (EOC) directed the Bi-State Technical Advisory Committee to prepare the Bi-State Action Plan to compile and record conservation actions that have been completed and to prioritize additional actions to ensure conservation and mitigate threats. Approximately 80 projects were identified to conserve, improve and expand habitats for the Bi-State sage-grouse population. A budget estimate was developed for these projects and submitted to the EOC for funding consideration over the next ten years. State and federal agencies sent letters to the U.S. Fish and Wildlife Service committing themselves to funding and implementing these projects.	Bi-State Distinct Population Segment including Carson City, Douglas, Esmeralda, Mineral, Lyon and Storey counties in Nevada, as well as counties in CA.	http://www.ndow.org/uploadedFiles/ndoworg/Content/public_documents/Nevada_Wildlife/Bi-State%20Action%20Plan.pdf	Ongoing implementation	Provides another tool that can be used when developing management plans.
Conservation Plan	Nevada	Strategic Plan For Conservation of Greater Sage-Grouse In Nevada (2012 State Plan)	March 30, 2012 - Governor Sandoval issued Executive Order 2012-09, which established the Governor's Greater Sage-Grouse Advisory Committee with a directive to provide an updated strategy and recommended approach for sage-grouse conservation in Nevada.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.		Recommendations further developed into the 2014 State Plan	Served as the basis for current work being conducted by the Sagebrush Ecosystem Program.
Conservation Plan	Nevada	2014 Nevada Greater Sage-Grouse Conservation Plan (2014 State Plan)	On October 1, 2014, the Sagebrush Ecosystem Council (SEC) adopted the 2014 State Plan. This plan builds upon the recommendations from the Governor's Sage-Grouse Advisory Committee into a more comprehensive and detailed strategy for sage-grouse conservation. The SEC discussed revisions to the 2014 State Plan based on Sagebrush Ecosystem Technical Team (SETT) recommendations over a series of meeting starting in July 2013. Each SEC meeting was held in compliance with the Nevada Open Meeting Law, including multiple opportunities for public comment.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.	http://sagebrusheco.nv.gov/uploadedFiles/sage-brusheconvgov/content/home/features/2014_ConsolidatedStatePlan.pdf	Ongoing implementation	Serves as the basis for current work being conducted by the Sagebrush Ecosystem Program.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Program	Nevada	Sagebrush Ecosystem Program	November 19, 2012 - Executive order 2012-19 issued by Governor Sandoval established the Sagebrush Ecosystem Council (SEC). The Council is composed of nine voting members, each of whom are appointed and serve at the pleasure of the Governor. One member of each of the following groups serves as a voting member: Agriculture, Conservation and Environmental, Energy, Local Government, Mining, Sportsmen, Ranching, Tribal Nations, and the General Public. State Supervisors and the Forest Supervisor of the U.S. FWS, BLM, USFS, and Department Directors of the NV Department of Agriculture, NV Department of Wildlife, and the NV Department of Conservation and Natural Resources will also be designated as ex-officio members.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.		Appointments to the Council were made in January 2013 and positions within the SETT were filled in February 2013. Ongoing implementation, but the critical section (3) was finalized in January 2014.	Technical and advisory role for greater sage-grouse and sagebrush ecosystem management. Technical assistance in further development of state plan and review of federal Environmental Impact Statement (EIS) document. Significant consideration for inclusion in the preferred alternative of the BLM/USFS regional EIS. To demonstrate good cause for the FWS to avoid listing the species under the Endangered Species Act (ESA). Long term rehabilitation, protection, and recovery of sagebrush ecosystems statewide.
Regulation	Nevada	Nevada Revised Statutes 321 and 232	Formal creation and regulatory authority for the Sagebrush Ecosystem Program. Created amendments to state statutes 321 and 232. It authorized powers, duties, and authorities for the Sagebrush Ecosystem Program. It was approved by the state legislature and signed into law by Governor Sandoval in July 2013. The SEC appointments as described in the Executive Order 2012-09 were similarly created through the legislation. Additionally, five positions were created to make up the SETT. Of the five positions, one represents the Nevada Department of Wildlife, one represents the Nevada Department of Agriculture, one represents the Nevada Division of Forestry, one represents the Nevada Division of State Lands, and one is the program manager.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.		Implemented - AB 461 passed and enacted in July 2013. Ongoing process of development.	Establishes a plan to conserve, protect, and rehabilitate sagebrush ecosystems through an avoid, minimize, and mitigate strategy.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Management Tools	Nevada	Conservation Credit System	On December 3, 2014, the SEC adopted the Nevada Conservation Credit System (Credit System) Manual and the Habitat Quantification Tool (HQT) Scientific Methods Document. The goal of the Credit System is for impacts from anthropogenic disturbances to be offset by enhancement and protection that results in a net benefit for greater sage-grouse habitat in Nevada. The Credit System Manual outlines the policies and procedures for the Credit System and the HQT Scientific Methods Document describes the methods to quantify sage-grouse habitat function at multiple-scales, using the best available scientific information.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.	https://www.enviroaccounting.com/NVCreditSystem/Program/Home	Planning complete; implementation started 12/4/2014	The goal of the Credit System is for impacts from anthropogenic disturbances to be offset by enhancement and protection that results in a net benefit for greater sage-grouse habitat in Nevada.
Regulation	Nevada	Pesticide Registration Fee	Revenue from this fee increase will provide additional funding to the state noxious weed program to increase the statewide effort toward sage-grouse habitat conservation to avoid listing, as well as continue the program's ability to provide effective, efficient service in pesticide registration. These funds will also be used to fund a position on the SETT as well as employ greater weed mapping and control efforts throughout the state. This funding source will be leveraged statewide with other federal and local sources to maximize the benefit.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.		Implemented - Approved in October 2013	Priority for funding projects will be given to mapping, controlling, and restoration in sage-grouse habitat.
State-Federal Partnership	Nevada	Collaborative funding through Federal and State agencies for three new positions within the Department of Conservation and Natural Resources, Conservation District Program	Three new sub-regional positions were created within the conservation district program to assist local conservation districts in their efforts to lead Local Area Work Group meetings and planning efforts as well as assisting the SETT with habitat evaluations, "groundtruthing" local conditions for the administration of the Conservation Credit System, and implementing sage-grouse habitat conservation projects.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.		Implemented - All positions but one have been filled. Remaining position has been advertised.	SETT to offer technical advice to the SEC for considered actions. Regional district personnel will assist the local districts and SETT with ongoing efforts to implement the State's Greater Sage-Grouse Conservation Plan.

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Management Tools	Nevada	Habitat Suitability Statewide Mapping and Modeling Effort	Secured funding for the U.S. Geological Survey (USGS) to continue their efforts on a statewide basis, similar to what was done for the bi-state population of the greater sage-grouse. The maps generated by this model will be used to further identify habitat suitability both inside and outside of current sage-grouse management areas. It will also allow the SETT and other partners the ability to identify where conservation activities would have the greatest beneficial impact on the habitat. It will also likely serve as a tool to assist in the conservation credit system implementation.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.		Initial phase: Complete. Improvement efforts will be ongoing as funding allows.	Greater detail in the mapping of suitable habitats available to the greater sage-grouse. It will provide guidance as to potential sites where mitigation efforts could or should be implemented.
Task Force	Nevada	Nevada Cheatgrass Action Team (NCAT)	The NCAT is a voluntary multi-disciplinary group of individuals to assist the SETT with planning and managing potential projects to address the cheatgrass and other invasive or noxious weeds that impact the GRSG habitat. Three private landowners have agreed to offer their land to try both experimental and proven methods for cheatgrass control measures and revegetation.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.		The NCAT does not meet regularly, but has visited each private landowner site and developed a proposed plan of action for each site. Efforts will be ongoing.	The NCAT intends to develop a host of treatment techniques that can be used successfully dependent on site specific and management specific areas and objectives.
Research	Nevada	Science Work Group (SWG)	The SWG is a multi-disciplinary group of academia and professionals with experience in wildlife and biology, fire science, rangeland ecology, atmospheric science, rangeland management, etc. They offer scientifically based guidance to the SETT on many of the issues surrounding the preservation, protection and restoration of sagebrush ecosystems and the species that depend upon this system for survival.	Statewide within sage-grouse habitat, excluding the five Nevada counties with the Bi-State Distinct Population Segment.		Initially SWG met every two weeks. Currently meets as necessary to inform and guide the Sagebrush Ecosystem Program (SEP). Efforts will be ongoing.	The SWG will continue to provide the best available science to assist in all efforts associated with the protection, preservation, and restoration of greater sage-grouse habitats.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Partnerships	Nevada	Nevada Wildland Fire Protection Program	This is a new interlocal agreement to provide new services under the Wild Land Fire Protection Program, under which the Nevada Division of Forestry (NDF) and the State's counties will work closely together to maintain effective wildfire management without duplication and coordinate efforts with federal cooperators to quickly suppress wild land fires regardless of jurisdiction and/or ownership. It is considered mutually beneficial to all parties to jointly take action as necessary to safely and effectively contain all wild land fires.	Statewide		13 of 17 counties participating as of 1/30/15.	Through an annual assessment based on county needs and population, NDF will provide state resources and financial assistance to reduce wildfire suppression costs and costs accrued from other emergency activities; increase availability of suppression forces for counties; develop and maintain fuels reduction projects in the Wildland-Urban Interface (WUI) and for critical habitats; and, provide improved restoration of burned areas on private, county and state lands.
Initiative	Nevada	Nevada Department of Agriculture (NDA)	Registered pesticide fee increase to partially support the NDA position on the Sagebrush Ecosystem Technical Team. This fee increase was approved during the 2013 NV Legislative Session. Invasive plants are identified with fire as a top threat in a majority of sage-grouse ecosystems in Nevada. Strategic treatments of these plants is a priority of the SEPs planning efforts.	Statewide		Implemented/Ongoing	Continued representation and participation as a member of the SETT and continued coordination in developing documents and planning tools to address invasive plants. Continued coordination and leadership of the NCAT efforts.
Initiative	Nevada	Nevada Department of Agriculture	Continued funding and development of the Early Detection and Distribution Mapping System (EDDMapS) GIS interactive database website to map invasive and noxious weed species. Members of the public can submit weed information electronically through iPhone and Android phone applications.	Statewide	http://agri.nv.gov/Plant/Noxious_Weeds/Useful_Forms_Page/	Implemented/Ongoing	This map interface could potentially be used for other uses to help inform the general public and resource managers identify and prioritize projects within sagebrush ecosystems that would be the most beneficial to Greater Sage-grouse in Nevada.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Program	Nevada	Nevada Department of Agriculture	Creation of a new Rangeland Health Program Coordinator position to assist private landowners in developing enhanced methods to complete rangeland health assessments and rangeland monitoring techniques that would employ acceptable methodologies to public land managers.	Statewide		Implemented/ Ongoing	Ongoing assistance to develop acceptable methods for conducting and submitting rangeland monitoring data to federal land management agencies primarily in response to licensed or permitted livestock use.
Conservation Plan	North Dakota	Management Plan and Conservation Strategies For Greater Sage-Grouse In North Dakota	Management plan currently monitors species and populations in the state. The plan supports habitat improvements through the NRCS Sage-Grouse Initiative. This initiative benefits nesting success. Outreach efforts have increased awareness and have resulted in a new working group in SW North Dakota called North Dakota Sage Grouse Local Working Group. Facilitation and group collaboration between all interested parties has created a positive attitude towards conserving sage-grouse that will inevitably be the single most important aspect to rebuilding the sage-grouse population in North Dakota. Revision of the current plan was scheduled to be completed by December, 2013. Plan revisions will include current scientific research pertaining to energy development, livestock grazing and demographics of sage-grouse on the fringe of the range. Additionally recommendations for conserving sage-grouse in North Dakota will be updated.	Statewide	http://gf.nd.gov/gnf/conservation/docs/nd-sage-grouse-plan-2014.pdf	Completed December 2014	North Dakota's Sage-grouse plan has the potential to conserve a self sustaining greater Sage-grouse population. But it lacks regulator authority and is a voluntary plan. Thus there is uncertainty that without regulatory authority the plan can be implemented to the degree necessary to protect sage-grouse.
Initiative	North Dakota	Grass plantings and sage brush plantings	285.5 acres of grass plantings, with seed provided by USFWS. After initial grass establishment, worked into landowner grazing systems. Over 2,000 sagebrush plugs and \$6,000 since 2004 for sagebrush plantings. North Dakota Game and Fish (NDGF) biologists have helped hand-plant some; the Department has paid for others.	Local Site Specific		Implemented	Increase sagebrush habitat. It will take 10-15 years for sagebrush plantings to provide adequate habitat for sage-grouse.

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Local Working Group	North Dakota	Sage Grouse Work Group	Local landowner group with NDGFD involvement. The Department put \$1,500 toward a holistic management seminar for Work Group members to attend.	Statewide		Ongoing implementation	Collaborative sage-grouse conservation between private and government entities.
Initiative	North Dakota	Grazing Systems/ Habitat Management	11,886 acres. All grazing systems implemented are developed (or improved upon) to improve residual cover and/or maintain maximum range health within the landowner's means and capabilities. Some acres have been utilized for haying with haying dates being deferred until after primary nesting season.	Local Site Specific		Implemented	Improve residual cover and/or maintain maximum range health within the landowner's means and capabilities. This practice will take several years of continued implementation to see results.
Initiative	North Dakota	Fencing	Establishment and/or removal. 17,464 feet. Both cross fences and boundary fences.	Local Site Specific		Implemented	Improve range health through grazing.
State-Federal Partnership	North Dakota	Working with NRCS on SGI	Working with NRCS to come up with practices for their EQIP Sage-Grouse Initiative (SGI). NDGFD biologists promoting NRCS' SGI practices.	Statewide		Ongoing implementation	Improve sage-grouse habitat.
State-Federal Partnership	North Dakota	Working with USFS	Working with US Forest Service and allotted grazers to move a fence within a lek.	Local Site Specific		Planned	Reduce sage-grouse fence collisions.
State-Private Partnership	North Dakota	Little Missouri Grazing Association (LMGA) Habitat/Grazing monitoring project	NDGFD has funded a cooperative monitoring project with LMGA to identify grazing practices that are beneficial to nesting sage-grouse. During nesting season field technicians collect vegetation data using published designs within sage-grouse nesting habitat. That data will be used to compare grazing practices with vegetative composition and structure.	Local Site Specific		Ongoing implementation	Provide recommendations on Best Management Plan for grazing livestock. Currently we are analyzing the data to determine BMP for producers in ND.
State-Private Partnership	North Dakota	General department conservation activities	<ul style="list-style-type: none"> • Provide technical service to landowners interested in sage-grouse conservation. • Fence markers and water tank escape ramps. • Training seminars for NDGFD biologists on sage-grouse habitat development and management. • Annual sage-grouse census. 	Statewide		Ongoing implementation	Conserve sage-grouse by monitoring population trends, reduce mortality by anthropogenic features, and engage stakeholders in conservation.

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Direct Conservation Payments	North Dakota	Direct landowner payments	Direct landowner payments for sage-grouse conservation practices have totaled more than \$235,000 since 2004.	Statewide		Implemented	Habitat restoration.
Research	North Dakota	Sage grouse habitat research	NDGFD has funded three major research projects in the past several years: <ul style="list-style-type: none"> • Study of nesting and brood-rearing habitat selection and hen survival (2005-2006; \$30K/year) • Study of winter habitat use and seasonal movements of sage-grouse in ND (2005-2008; \$15K/year) • Study of habitat selection within oil and gas development areas (2010-2011; \$30K/year) 			Implemented	<ul style="list-style-type: none"> • Nesting study found that maintaining taller residual grass within habitat significant to improving nest survival. Significance in conserving and/or restoring native forb and grass communities within sagebrush habitat. • Seasonal movement study found that sage-grouse spend about 62% of time within 3.2 km of active leks. • Oil and gas development study found that a portion of the oil field in SW ND does not contain suitable habitat to sustain sage-grouse, regardless of energy infrastructure.
Conservation Plan	North Dakota	Priority Habitat Map	NDGF delineated priority sage-grouse habitat using breeding areas (lek locations), radioed bird locations, and expert opinion.	Statewide		Implemented	Delineate priority areas for conservation efforts. This effort will be used to consolidate the federal land management plans such as the BLM and Forest Service to prioritize conservation efforts. This effort will be the foundation for sage-grouse conservation in North Dakota.
Conservation Plan	North Dakota	Sage-grouse Nesting Resource Selection Model	NDGF developed a Resource Selection Model that predicts high, medium, and low nest use locations. Nest sites from 2007-2011 were used to populate the model and variables used include sagebrush %, distance to roads, ruggedness, grassland %, road density.	Statewide	See State Management plan	Implemented	Prioritize areas for conservation efforts within priority habitat in North Dakota.
State/Federal/Private partnership	North Dakota	CCAA Workshop	NDGF, USFWS, NRCS, BLM, Local Working Group will be holding a landowner workshop to introduce private landowners to the Candidate Conservation Agreement with Assurance (CCAA) program with the USFWS.	Statewide		Landowner workshop held	Develop a CCAA with multiple private landowners in Core sage-grouse habitat. We are still working with landowners to develop a CCAA.
Research	North Dakota	Sage-grouse Translocation	NDGF has proposed a sage-grouse translocation research project in the spring of 2016. Female grouse would be moved from Montana to North Dakota and monitored to determine success.	Statewide		Working with Wyoming to secure source population.	Increase the sage-grouse breeding population in North Dakota.

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Policy/Rule	Oregon	Greater Sage-Grouse Conservation Assessment and Strategy for Oregon	Update of statewide conservation plan first adopted in 2005. Plan includes current status as well as conservation measures and methods for establishing core areas adopted as administrative rule. The Plan includes statewide management guidelines and regional conservation measures.	Statewide	http://www.dfw.state.or.us/wildlife/sagegrouse/docs/20110422_GRSG_April_Final%2052511.pdf		
Policy	Oregon	Core Area Approach to Sage-Grouse Conservation	The 2011 Greater Sage-grouse Conservation and Assessment for Oregon included methods (in administrative rule) for developing Core Areas for sage-grouse conservation. After adoption of the plan, Oregon Department of Fish and Wildlife (ODFW) used these methods to tentatively identify Core Areas and used Local Working Groups to provide suggested revisions/refinements before a final Core Area map was accepted. The ODFW recommendations are used by other state, and to some degree local, entities with a regulatory role in permitting uses of land and water.	Statewide	http://www.dfw.state.or.us/wildlife/sagegrouse/docs/Sage_Grouse_Core_Areas_Fact_Sheet.pdf		

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Local Implementation Teams	Oregon	Local Implementation Teams (LIT)	There are five LITs, one for each BLM District within the current distribution of sage-grouse in Oregon, as well as one in the Baker Resource Area within the Vale District. The LITs are comprised of a mix of public and private entities, including land managers, county governments, ODFW, and landowners. The role and responsibilities of the LITs include: (1) implementing voluntary conservation guidelines identified in the 2011 Greater Sage-Grouse Conservation Assessment and Strategy for Oregon (Hagen 2011); (2) ensuring that sage-grouse and sagebrush habitat conservation decisions occur at a local level; (3) identifying the appropriate tools to meet the objectives identified in each Action Area; and (4) implementation of conservation within the scope of existing policies. The LITs are also responsible for establishing appropriate timelines, overseeing treatments and monitoring, and facilitating the funding of projects.	Statewide		Implemented - Ongoing	In December 2011 and January 2012, LITs developed 32 Action Areas with the Core Area and associated Low Density areas that identified locations that share common threats to sage-grouse and which will help to focus efforts for future habitat management actions. In addition, the Action Areas provide guidance on where to focus mitigation actions associated with impacts to sage-grouse habitat from renewable energy development, its associated infrastructure, or other large-scale industrial-commercial development projects consistent with ODFW's Mitigation Framework for Sage-Grouse Habitats.
Policy	Oregon	Implementing Habitat Mitigation for Greater Sage-grouse under the Core Area Approach	Outlines interim guidance for development of Oregon Department of Fish and Wildlife habitat mitigation recommendations associated with renewable energy development and associated infrastructure or other landscape scale industrial-commercial developments in greater sage-grouse habitat in Oregon.	Statewide	Mitigation Framework_with_attachments_8-23-11.pdf		
Policy/ Conservation Plan	Oregon	Oregon's Ten-Year Energy Plan	Still in early development stages. The plan will include proposed policy changes to address energy facility/wildlife conflicts on a landscape scale.	Statewide	http://www.oregon.gov/ENERGY/		
Program	Oregon	Annual monitoring	To date, >1,000 lek sites have been identified in Oregon, which comprise 756 lek complexes. On average, 38% of these known lek complexes have been surveyed annually for population trend information.	Statewide		Implemented-Ongoing	Protection of lek sites and priority habitat areas.

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Regulation	Oregon	Annual recommendations for sage-grouse hunting in OR	ODFW's current permit system allows ODFW to closely control harvest of sage-grouse and current harvest management is not considered a significant threat to sage-grouse populations. Each year, ODFW projects the fall population of sage-grouse based on lek counts and summer production inventories. ODFW has a self-imposed policy not to harvest more than 5% of the fall population, with harvest usually estimated around 3% of the fall population.	Statewide		Implemented	Assurance that hunting does not impact sage grouse populations
Initiative	Oregon	SGI-SWAT is a partnership effort between NRCS, the intermountain West Joint Venture, and ODFW to expand field delivery, science, and communications capacity for NRCS-SGI.	In Oregon, Sage-Grouse Initiative Strategic Watershed Action Team (SGI-SWAT) funds three habitat conservationists that are located in NRCS field offices to work one-on-one with landowners to accelerate conservation implementation. ODFW has partnered on two positions, located in Lakeview and Ontario, and the Baker Valley SWCD has partnered on another in Baker City. These SWAT partner positions, combined with NRCS staff, have helped ensure the five NRCS field offices within sage-grouse range in Oregon have adequate human capital to deliver technical and financial assistance.	Lake, Malheur, Baker, Crook, Harney counties		Implemented	Increased Sage-grouse conservation work through cooperative efforts utilizing Farm Bill funding
Initiative	Oregon	Fence collision analysis	An analysis of fence collision risk in the Burns District has been completed by the BLM-OR, and the Nature Conservancy of Oregon	Harney County		Implemented	Reduces the risk of fence collisions by visibly marking fences in the highest priority areas.

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Conservation Plan	Oregon	Oregon Sage Grouse Conservation Plan	The Plan documents the State's All-Lands / All-Threats approach to sage grouse conservation. It is tied to the SageCon Partnership co-convened by the Governor's office, BLM, and NRCS. The Plan will document the efforts undertaken since 2010 to reduce COT-relevant threats to sage grouse conservation in Oregon and will then document the strategies and actions (programmatic, voluntary, and regulatory) the State will take in addressing gaps tied to COT-relevant threats. Efforts and actors will be coordinated across public and private lands, and local, state, and federal jurisdictions. Specifically, actions that have been completed by agencies and landowners associated with the Sage Grouse Conservation Strategy Local Implementation Teams (LIT) will be compiled as evidence of their past and continued commitment to implement the recommended actions from the 2011 revised Greater Sage-Grouse Conservation Assessment and Strategy for Oregon (Hagen 2011) and to seize opportunities to execute additional conservation measures.	Statewide	http://orsolutions.org/osproject/sagecon	Ongoing implementation	Provides another tool that can be used when developing management plans.
Program	Oregon	Oregon Watershed Enhancement Board	Since 2002, OWEB has invested \$2,318,200 on projects where sage-grouse were considered a targeted beneficiary of the work. In addition, OWEB has committed \$350,000 for work related to the development of SageCon's All Lands-All Threats approach to sage-grouse conservation and anticipates providing an additional \$250,000 to the effort.	Statewide		Implemented-Ongoing	

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Regulation	Oregon	Candidate Conservation Agreement with Assurances	Oregon Department of State Lands (DSL) is working with the USFWS to develop a CCAA for State Common School Fund (Trust) Rangelands. As a single landowner CCAA, DSL would agree to implement conservation measures on over 610,000 acres that would achieve a net environmental benefit to sage-grouse habitat. This CCAA is patterned after the proposed Harney County SWCD Programmatic CCAA applying to private rangelands and the completed Oregon Cattlemen's Association Programmatic CCA applying to federal grazing allotments.	Common School Fund Trust Lands		CCAA in draft stage negotiations with USFWS. Intended to follow Harney County effort, allowing opportunity to adjust final for consistency between the two CCAAs.	
Regulation	Oregon	Oregon Land Use Planning System	Oregon's Statewide Planning Program emphasizes retention of rural lands for rural uses (farm, ranch, forest, natural resources, wildlife habitat, etc.) and directs development into the most appropriate locations. Rural lands are protected by a legal framework beginning in state statute that is implemented through county comprehensive plans and zoning ordinances. A review conducted by the seven Oregon sage-grouse counties shows that almost all of the non federal land identified as sage-grouse habitat is included in some type of Exclusive Farm Use Zoning District characterized by requiring very large minimum parcel sizes (80-320 acres for the creation of a new parcel) and strict limitations on nonfarm or nonranch related development. The county analysis further showed that very little development has been approved on these lands over the past ten years and that data from the Oregon Department of Forestry shows practically zero change in the development pattern of these lands since 1974.	Statewide		Implemented	

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Research	Oregon	Institute for Natural Resources (Oregon University System)	INR has been developing data sets and simulation models for SE Oregon vegetation using advanced classification and machine learning techniques that are useful at a variety of spatial scales. One vegetation data set represents mid- to broad-scale vegetation distributions, dominant species, and successional stages for vegetation communities and exist for 2006 and 2013. These data rely on plot level data, environmental gradient data, and satellite imagery and can be used to develop vegetation-based maps of potential sage-grouse habitat use types and initialize simulation models for projecting the effects of management over time. Another data set representing conifer ground cover has been modeled using plot data, LiDAR, and multiple imagery products for fine- to mid-scale applications. These data can be used to highlight areas where juniper is expanding into areas dominated by sagebrush habitat types. Both of these data sets can be used to prioritize efforts for juniper and invasive species treatments and may be useful for identifying regions of high value sage-grouse habitat in more complex decision support frameworks. In addition INR is compiling data from multiple sources that may be used to further refine and prioritize locations for improving habitat or focusing mitigation and development activities. INR is working with multiple cooperators to complete this work including USFS, USGS, TNC, Willamette Partnership, ODFW, OWEB, and others.				

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Research	Oregon	Research Projects	<p>Ongoing research:</p> <ul style="list-style-type: none"> • 2010-2015 Warner SGI in collaboration with University of Idaho: Evaluating greater sage-grouse response to landscape level removal of encroaching juniper • 2012-2015 USFWS in collaboration with University of Nevada, Reno: Evaluating long-term trends in sage-grouse demography and habitats on the Sheldon-Hart Mountain National Wildlife Refuge Complex and adjacent BLM lands • 2012-2015 NRCS, USGS, USFWS, and state wildlife agencies: Evaluating landscape influence on gene flow in greater sage-grouse • 2013-2015 Roaring Spring Ranch: Assessing sage-grouse seasonal habitat use • 2013-2015 ODFW in collaboration with Oregon State University: Evaluating the effects of wildfire on sage-grouse population dynamics in the Trout Creek Mountains • 2013-2016 ARS: Restoring sage-grouse habitat after fire: Success of different restoration methods across an elevation gradient <p>Planned Research:</p> <ul style="list-style-type: none"> • 2013-2015 TNC, ARS: NRCS Conservation Innovation Grant - Sage-Grouse Conservation: Linking Practice to Habitat Metrics 	Statewide		Implemented - Ongoing	These data will be used to inform land management agencies responsible for actions that may impact sage-grouse populations. In addition, results from these studies will be used to identify areas where habitat restoration projects will have the greatest likelihood of enhancing sage-grouse population. Currently, a baseline telemetry study is underway to better understand winter habitat use in the Warner Mountains. These data will also serve as a baseline for demography and spatial use relative to large-scale juniper removal and potentially wind energy development within the Lakeview BLM District. In addition, ODFW in collaboration with Oregon State University, is evaluating the effects of wildfire on sage-grouse population dynamics in the Trout Creek Mountains. These studies all add to the breadth of knowledge on the basic biology of these populations that was previously unknown.

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Program	Oregon	Invasive Weed	The Oregon Department of Agriculture's Noxious Weed Control Program has pursued the protection and restoration of sage-steppe habitat that is critical to sage grouse survival. Priorities include weed control projects in sage grouse habitat in conjunction with Federal, State, Local and private land managers. ODA staff also administer Oregon State Weed Board grant funds, with the 2014 cycle including \$488,000 dollars towards sage-steppe and other rangeland ecosystem enhancements. Main projects and strategies include: noxious weed control, survey and monitoring, predictive modeling, and strengthening partnerships with entities for implementation of control and restoration activities. These strategies are designed to reduce sage grouse habitat fragmentation due to noxious weed invasion as part of the program's Statewide Strategic Plan.	Statewide	http://www.oregon.gov/ODA/PLANT/WEEDS/docs/pdf/strategicplan.pdf	Implemented-ongoing	Reduction of habitat fragmentation due to invasion of exotic plants through Early Detection Rapid Response and containment are ongoing activities. Coordination with other entities to reclaim and restore infested areas is an expected outcome.
Initiative	Oregon	Western Juniper Utilization Group	The Oregon Governor recently endorsed a new Oregon State Biomass Utilization Strategy that specifically identifies the need to increase juniper utilization in eastern Oregon. Additionally, the Governor designated an Oregon Solutions project called the Western Juniper Utilization Group that is currently addressing the gap between restoration treatments ongoing and planned in eastern Oregon and how to build a woody biomass-based restoration economy around this theme. This group is working with the Sagegrouse Conservation Partnership Group (SAGECON) so their outcomes can be aligned.	Statewide	http://orsolutions.org/osproject/juniper	Ongoing implementation	Provides another tool that can be used when developing management plans.

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Program	Oregon	Rangeland Fire Protection Associations	Approximately 4.5+ million acres of private and state land in Eastern Oregon are served by eighteen (18) Rangeland Protection Associations (RPA). The RPAs operate as independent associations of landowners that provide their own protection with minor technical support from OR Dept Forestry. There are approximately 600+ volunteer firefighters in the 18 RPAs and 170+ pieces of water handling fire equipment that is listed by the associations.	Statewide		Ongoing; started in 1963. 6 new RPAs have formed since 2010 and more are expected.	The ranchers have a vested interest in protecting lands from burning. They are usually the first fire suppression resource to attack the fire and keep it small.
Regulation	Oregon	Energy Facility Siting Council	The Fish and Wildlife Habitat standard requires that the proposed energy facility comply with the habitat mitigation goals, policies and standards of the Oregon Department of Fish and Wildlife (ODFW). The ODFW rule establishes mitigation goals and corresponding implementation standards for each habitat of its six habitat categories. The Council and Department of Energy staff review this part of the application in consultation with ODFW staff.	Statewide	"ODOE Application Submittal Requirements - OAR 345-021-0010 (p) & (q) http://arcweb.sos.state.or.us/pages/rules/oars_300/oar_345/345_021.html ODOE Review Standards - OAR 345-022-0060 http://arcweb.sos.state.or.us/pages/rules/oars_300/oar_345/345_022.html ODFW Habitat Categorization Rules - OAR 635-415-0025 http://arcweb.sos.state.or.us/pages/rules/oars_600/oar_635/635_415.html	Implemented	Consistent with ODFW rules the goal is either avoidance or mitigation of sensitive species habitat.
Initiative	South Dakota	Private Lands Habitat Programs	Several South Dakota Department of Game, Fish and Parks Private Lands Habitat Programs provide technical and financial assistance for upland restoration and enhancement as well as rangeland management that could be used to restore or enhance sage steppe habitat.	Statewide	http://www.gfp.sd.gov/wildlife/private-land/default.aspx	Ongoing implementation	Continued enhancement of rangeland that benefit wildlife and ranchers alike.

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Initiative	South Dakota	Intermountain West Joint Venture/ Pheasants Forever/Natural Resources Conservation Service/ South Dakota Department of Game Fish and Parks partnership to establish Farm Bill biologist position	The South Dakota Department of Game, Fish and Parks has partnered with the Intermountain West Joint Venture, Pheasants Forever and the NRCS to place a Farm Bill biologist position in western South Dakota emphasizing the implementation of the sage-grouse initiative. The current partnership is in place through 2017.	Northwestern South Dakota		Implemented and on-going.	Implementation of SGI programs will benefit sage-grouse and rangeland with proven management practices.
Regulation	South Dakota	Annual recommendations for sage-grouse hunting in SD	Annually, the Department of Game, Fish and Parks makes recommendations to the Game, Fish and Parks Commission for sage-grouse hunting. The current management plan outlines our hunting season recommendation process.	Butte and Harding Counties	http://www.gfp.sd.gov/hunting/small-game/sage-grouse.aspx	Implemented	
Conservation Plan	South Dakota	South Dakota Sage-Grouse Management Plan Revision	The South Dakota Department of Game, Fish and Parks has updated their sage-grouse conservation plan. The planning process for the revision began during the fall of 2012 with the final draft approved by the game commission in November 2014. The new plan includes sage-grouse core areas which identify the most important sage-grouse landscapes in the state.	Statewide	http://www.gfp.sd.gov/wildlife/management/plans/docs/SageGrouse-ManagementPlan.pdf	Implemented	The revised plan will help guide management practices and priority areas that will benefit sage-grouse in South Dakota. The plan will address threats identified in the COT report where applicable and feasible.
Local Working Group	South Dakota	Local Working Group	The first meeting of the SD local sage-grouse working group was held on September 24, 2013. The meeting primarily consisted of updates from state, federal, local, and private entities on their sage-grouse related activities. A second meeting was held in September 2014 with further discussion on the objectives of the group.	Butte, Harding, and Fall River Counties		Very recently established	Expected increase in collaboration among stakeholders on issues related to sage-grouse management.

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Conservation Plan	Utah	Conservation Plan for the Greater Sage-grouse in Utah; February 14, 2013	<p>Utah's Conservation Plan for Greater Sage-grouse is designed to protect high-quality habitat, enhance impaired habitat and restore converted habitat to support, in Utah, a portion of the range-wide population of greater sage-grouse necessary to eliminate threats to the species and negate the need for the listing of the species under the provisions of the federal Endangered Species Act.</p> <p>The Plan is designed to eliminate the threats facing the sage-grouse while balancing the economic and social needs of the residents of Utah through a coordinated program which provides for 1) an incentive based program for private, local government and school trust lands, and 2) a reasonable and cooperative regulatory program on other state and federally managed lands. The Plan focuses upon conservation within eleven specific Sage-grouse Management Areas, which represent 90 plus percent of the species in Utah.</p> <p>The biological pillars of sage-grouse conservation under the Plan remain 1) protection of the habitat which provides for the year-round life-cycle needs of the species, 2) perpetuation of the conditions necessary to ensure the recruitment of a continuing population within the aggregate state population, and 3) enhancement or improvement of sage-grouse habitat that has been impaired or altered through restoration or rehabilitation activities.</p> <p>The Plan will address the localized conditions affecting the conservation of sage-grouse in Utah. These regional conditions are the result of 1) the discontinuous nature of the habitat caused by the rugged and incised topography in the eastern and southern parts of the state, 2) previous human-caused habitat modifications, 3) natural events, such as wildfire, and 4) connections with larger populations in neighboring states. The Plan contains five specific yearly objectives covering habitat work and species distribution.</p>	Statewide	http://wildlife.utah.gov/uplandgame/sage-grouse/pdf/greater_sage_grouse_plan.pdf		

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Conservation Plan - Implementation Plan	Utah	Plan for Prioritization for Fuels Management, Fire Suppression Prioritization, and Post-Fire rehabilitation	<p>"By utilizing specific criteria and the best-available science, Utah has developed a comprehensive strategy and detailed plan to address threats presented from wildfire and post-wildfire effects.</p> <p>Utah's approach not only addresses threats to habitat from wildfire, but utilizes methodology which ensure these habitats ultimately provide addition living space for Greater Sage-grouse.</p> <p>Utah's Conservation Plan focuses on a three-pronged approach for addressing the threat of wildfire.</p> <ol style="list-style-type: none"> 1. Prevention, including: <ol style="list-style-type: none"> a. Fuels management/reduction strategies, and b. Fire-zone buffers such as green stripping and fire breaks. 2. Suppression strategies, including: <ol style="list-style-type: none"> a. Mapping and prioritizing at-risk habitats for suppression efforts under all potential fire conditions b. Providing rapid response strategies c. Fire control resource allocation. 3. Post-fire habitat restoration and rehabilitation efforts to: <ol style="list-style-type: none"> a. Restore desirable vegetation b. Control undesirable species such as cheatgrass. 	Statewide, with emphasis on Sage-Grouse Management Areas in the Great Basin	http://wildlife.utah.gov/learn-more/greater-sage-grouse.html	In progress	Plans will be implemented in the 2015 fire season.

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Conservation Plan - Implementation Plan	Utah	Plan for Prioritization of Conifer Removal for Proactive Habitat Restoration	<p>"The state of Utah has, and continues to, invest millions of dollars into enhancing and restoring habitat for Sage-grouse through targeted removal of conifers. Recent peer-reviewed scientific research demonstrates that conifer removal is an important conservation practice for Sage-grouse. The study found that even a small percentage of encroachment by pinyon and juniper trees can lead Greater Sage-grouse to abandon an area that has provided suitable habitat. Since 2006, Utah has completed conservation projects on over 560,000 acres of Sage-grouse habitat through Utah's Watershed Restoration Initiative and its partners. This program leads the country in addressing habitat loss from conifer encroachment. Utilizing scientifically established benchmarks for successful implementation, ecologists and Sage-grouse experts are targeting removal in areas that will immediately benefit Sage-grouse. These programs identify areas of treatment according to the following criteria:</p> <ol style="list-style-type: none"> 1. Encroachment Areas: stands of early phase encroachment in habitats currently utilized by Sage-grouse. 2. Tier I Opportunity Areas: phase I and phase II conifer stands with healthy understory but minimal or no utilization by Sage-grouse. Nearby bird populations are likely to use post-treatment. 3. Tier II Opportunity Areas: conifer stands with healthy understory and adjacent to encroachment areas. Less important to short-term strategies but providing longer-term opportunities for habitat restoration and enhancement. <p>By implementing proven conservation practices in these treatment areas, Utah is not only reducing the threat of fragmentation of Sage-grouse habitat, the state increasing usable space by eliminating existing conifer stands and expanding and enhancing habitats in areas where sage grouse can thrive. These projects also increase the productivity of habitat for Greater Sage-grouse by improving stream flows, wet-meadows and the quality and quantity of food sources. Research in the state of Utah demonstrates that pinyon/juniper removal improves utilization rates by Greater Sage-grouse. Conifer removal also helps improve the quality of habitats by improving watersheds, enhancing the value of habitat for other game and non-game species, addressing the threat of wildfires and invasive plant species, and limiting the future encroachment of conifers.</p>	Statewide	http://wildlife.utah.gov/learn-more/greater-sage-grouse.html	Completed	The state has completed over the past 10 years about 85% of the projects designed to ameliorate the threat of conifer encroachment in the SGMAs. The plan also includes projects to be completed over the next 15 years designed to address the remaining encroachment, and the Tier I and Tier II opportunity areas in order to make more useable space for the species.

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Conservation Plan - Annual Report	Utah	Annual Report of Activities - Utah's Conservation Plan	Utah has prepared an annual report of activities and planning efforts undertaken as part of the implementation of its Conservation Plan. The 2014 Annual Report contains information about the population trends, habitat conservation and rehabilitation goals, and further detailed planning related to wildfire, conifer encroachment, invasive species, high risk fence assessments, urban growth, and oil and gas development.	Statewide	http://wildlife.utah.gov/learn-more/greater-sage-grouse.html	The Annual Report for 2014 is complete	The Annual Report provides information about the status of the species in Utah, and the effectiveness of Utah's conservation efforts.
Plan Implementation Council	Utah	Plan Implementation Council	The Conservation Plan for Sage-Grouse in Utah called for the creation of a Plan Implementation Council to monitor the various activities related to implementation of the Plan. The PIC was created on August 19th, 2013, and met on several occasions to further its purposes in 2013. Meetings have continued in 2014. This work is coordinated with the efforts of 10 Local Working Groups guided by Utah State University.	Statewide	Greater Sage-grouse Conservation Plan Implementation Agenda 8.19.2013	Fully implemented, meets 2-3 times annually	Approved fire adjustment to State Conservation Plan Reports conservation work from WRI, NRCS, GIP, BLM, USFWS, USFS.
Amendment to the Conservation Plan	Utah	Fire Amendment	The original Conservation Plan for Sage-grouse in Utah did not address wildfire. The plan was amended by the PIC to include the objective of not allowing more than 30% of habitat to be burned in any SGMA. The amendment also assured that all fires will be actively rehabilitated and reseeded if necessary or monitored for successful rehabilitation if ecological conditions exist which allow native shrubs, grasses and forbs to establish naturally.	Statewide	Approved through the Utah Plan Implementation Council	Approved and waiting amendment to align with BLM's 20% habitat disturbance cap through adaptive management triggers	When the BLM FEIS is recorded, the Utah PIC will review the habitat management trigger. The BLM's proposed hard trigger would trip if more than 20% of habitat disturbed by fire.

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Habitat Restoration and Rehabilitation	Utah	Habitat Enhancement and Improvement Projects	During FY2014, approximately \$9.3 Million was invested on 48 separate conservation projects designed to improve and enhance habitat for sage-grouse in Utah, including 10 fire rehabilitation projects. These projects extended over 47,096 acres and were vital to achieving the Conservation Plan's yearly habitat objectives. In addition to these projects, completed through Utah's Watershed Restoration Initiative, the NRCS also completed a wide variety of conservation projects on 193,170 acres. In total, close to 1/4 million acres of projects were completed in Utah during FY2014.	Statewide	UDWR's 2014 Annual Report "Implementing Utah's Greater Sage-grouse Plan"	FY14 is completed.	FY15 is under way with over 69,000 acres planned and fully funded (\$11.5 Million).
Internal multi-agency committee	Utah	Sage-grouse Strategy Group	The Sage-Grouse Strategy Group has been functioning since March of 2014. The group meets twice monthly to get feedback on work being done to address sage-grouse conservation efforts and sage-grouse threat amelioration planning.	Statewide	Organized through PLPCO, DWR, and SITLA	Fully implemented, meets twice monthly	Coordinated a statewide threats analysis <ul style="list-style-type: none"> • developed protocol for SGMA map adjustments • helped coordinate the National Sage-grouse Forum.
Research	Utah	Research Activities Related To Utah Sage-grouse	The Division of Wildlife Resources and various academic institutions in Utah continued research into the life-cycle needs of sage-grouse in Utah, and the response of the birds to various human and natural activities. This research is designed to assist with conservation planning based upon the conditions affecting the localized Utah populations. Several research papers were published in 2014 and more are expected in 2015.				

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Research	Utah	Research Activities Related to Utah Sage-grouse	<p>Several peer-reviewed research papers were prepared in 2014 based on work completed in Utah. They will be published in 2015. They are: Cook, A. and T.A. Messmer. 2015 - Under Review. Factors influencing greater sage-grouse use of conifer reduction treatments': Implications for Range-wide Conservation. Wildlife Society Bulletin. Dahlgren, D.K., T.A. Messmer, B.A. Crabb, R.T. Larsen, T.A. Black, S.N. Frey, E.T. Thacker, R.J. Baxter, and J.D. Robinson. 2015a – Under Review. Seasonal Movements of Greater Sage-Grouse Populations in Utah: Implications for Species Conservation. Wildlife Society Bulletin. Dahlgren, D.K., M.R. Guttery, T.A. Messmer, D. Caudill, R.D. Elmore, R. Chi, and D.N. Koons. 2015b - Under Review. Warranted but Precluded: Evaluating Vital-Rate Contributions to Greater Sage-Grouse Population Dynamics to Inform Conservation. Journal of Applied Ecology. Dahlgren, D.K., R.T. Larsen, R. Danvir, G. Wilson, E.T. Thacker, T.A. Black, D.E. Naugle, J. W. Connelly, and T.A. Messmer. 2015c – Under Review. Greater Sage-Grouse and Range Management: Insights From a 24-year Case Study in Utah. Rangeland Management and Ecology. Guttery, M.R., T.A. Messmer, M.W. Brunson, D.K. Dahlgren, and J.D. Robinson. 2015 – Under Review. Hunter Motivations for Pursuing a Declining Species: Insights from Greater Sage-Grouse Hunters in Utah. Animal Conservation.</p>			Under review	Provide new information to facilitate range-wide conservation of greater sage-grouse.

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Research	Utah	Research Activities Related To Utah Sage-grouse	Several peer-reviewed research papers were published in 2014 based on work completed in Utah. There are: Caudill, D., T.A. Messmer, B. Bibles, and M.R. Guttery. 2014a. Greater sage-grouse juvenile survival in Utah. Journal of Wildlife Management 78:808-817. Caudill, D., M.R. Guttery, B. Bibles, T.A. Messmer, G. Caudill, E. Leone, D.K. Dahlgren, and R. Chi. 2015 (in press). Effects of climatic variation and reproductive trade-offs vary by measure of reproductive effort in greater sage-grouse. Ecosphere.			Published	New information regarding sage-grouse ecology for application range wide.
Plan Updates, Treatment	Utah	Castle Country Adaptive Resource Management Sage-grouse Local Working Group	Field tour provided members opportunity to see results of treatments in area. Reviewed Utah, BLM and USFS plans with future projects in mind. Forty-two volunteers marked 10 miles of fence near leks to prevent sage-grouse collisions.	Carbon and Emery Counties in Utah		On going treatments planned as resources become available.	Fence markers can reduce sage-grouse collisions by 83%. Fences near lek areas have been marked with white vinyl markers. Monitoring results of previous treatments essential for future planning.
Research, Education	Utah	Color Country Adaptive Resource Management Sage-grouse Local Working Group	A BLM-funded satellite telemetry project is currently under way conducted by Dr. Nicole Frey and includes volunteer efforts by LWG members. Information being gathered includes inter-lek movements, corridors, habitat use, and use of habitat treatment areas. The group also held a public field tour to highlight new information from telemetry research. The group also assists Alton Coal Development mitigation projects by gathering data. The Wildlife Research Education Network (run by Dr. Frey) conducted a 2-day module for 20 high school students where real-time satellite data was used to study Greater sage-grouse. Dr. Frey also participated in a field day promoting sage-grouse conservation which was attended by 400 elementary students.	Kane, Garfield, Piute, and Wayne Counties in Utah		Ongoing	Satellite telemetry is expensive but shows potential to provide much more data than current methods. Data will provide biologists detailed information on sage-grouse ecology, threats and habitat use in the area. Education creates awareness and support of sage-grouse in the area.

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Research, Policy	Utah	Morgan-Summit Adaptive Resources Management Sage-grouse Local Working Group	Newly funded research to study sage-grouse in the area will begin early Spring of 2015. Summit County has committed \$12,000 over 3 years to the Utah State University Sage Grouse Study (\$36,000 total 2014 - 2016) and over 80 hours in-kind hours related to the local working group. Information from the study will be used to design effective habitat treatments. Firebreaks have been made in nesting areas, habitat and water improvements are under way. LWG members have been attending county planning meetings to ensure that accurate information regarding sage-grouse needs is discussed when development projects are proposed.	Morgan and Summit Counties in Utah		Ongoing	Most sage-grouse habitat is on private lands in these counties and accurate information is needed for land managers to plan effective treatments.
Education, Research, treatments	Utah	Parker Mountain Adaptive Resources Management Sage-grouse Local Working Group	Field tour provided members opportunity to see results of treatments in area. Five large Pinyon/Juniper (PJ) removal treatments are under way and one is in the approval process. Research continues on sage-grouse use and vegetation response of past treatments. LWG members have provided information for Sage Grouse Management Area (SGMA) mapping.	Garfield, Piute, and Wayne Counties in Utah		Ongoing	Data from bird use and vegetation response of past treatments not only benefits sage-grouse now, but provides guidance for future treatments. The LWG process provides for increased communication among stakeholders which helps resolve conflict, provides information for habitat treatments needed, and aides in conducting research.
Treatments, Research	Utah	Rich County Coordinated Resource Management (CRM) Sage-grouse Local Working Group	Field tour provided participants an opportunity to observe an active bullhog treatment up close and observe results of previous treatments in other areas. Preliminary research results showed an increase in lek counts and brood survival. Data comparing different grazing management options will be published at the conclusion of the project in a dissertation and scientific publications. The county commission uses CRM for reviewing and approving projects in county to assure sage-grouse conservation is considered when projects are proposed.	Rich County in Utah		Ongoing	Data from bird use and vegetation response of grazing treatments provides guidance for future treatments. The CRM process provides for increased communication among stakeholders which helps resolve conflict, provides information for habitat treatments needed, and aides in conducting research.

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Research, Treatment, Education	Utah	Southwest Desert Adaptive Resource Management Sage-grouse Local Working Group	LWG members work with BLM to provide information on Watershed Restoration Initiative (WRI) projects affecting sage-grouse. Members have also provided information for mitigation efforts for a transmission line. The LWG field tour reviewed vegetation treatments designed to increase connectivity in the landscape. A satellite telemetry study was initiated in 2014 to monitor sage-grouse response to a transmission line. Upon completion of the study, results will be published in a thesis and research publications. The Wildlife Research Education Network (run by Dr. Frey) conducted a six-day module for 34 high school students from Iron County. Students used real-time data from satellite telemetry to present results to class. Two of these students continued to evaluate data and presented their research at an FFA contest winning second place.	Beaver and Iron Counties in Utah		Ongoing	Results from research will help guide future transmission line planning and mitigation. Education of public and students creates awareness and support for sage-grouse conservation efforts.
Treatments, Research	Utah	Strawberry Valley Adaptive Resource Management Sage-grouse Local Working Group	Predator control efforts, especially red fox, continue. LWG members review projects proposed for the area to determine if they are appropriate for sage-grouse conservation. LWG members are working on a new National Environmental Policy Act (NEPA) document to continue habitat treatments in the area. Brigham Young University (BYU) researchers are analyzing data for publication from 13 years of work on sage-grouse use of habitat treatment areas.	Wasatch and Duchesne Counties in Utah		Ongoing	Results from research will help guide future treatments. LWG members provide information in planning appropriate treatments in response to local threats to sage-grouse populations or additional considerations such as involving local county weed managers. They also coordinate efforts among diverse stakeholders.

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Treatments	Utah	Uintah Basin Adaptive Resource Management Sage-grouse Local Working Group	LWG members review treatment projects and make recommendations to increase effectiveness. Increased coordination with the adjacent LWG in Colorado have allowed for project proposals and sharing of local sage-grouse knowledge including a combined field tour. A local rancher and LWG member completed extensive on-the-ground mapping of sage-grouse habitat in the area. The group also reviewed and made recommendations for the BLM-USFS draft sage-grouse EIS. LWG also provides useful information to energy company representatives about sage-grouse in the area. NRCS/SGL projects in the area include PJ removal, grazing management plans, and fence marking.	Duchesne, Uintah, and Daggett counties in Utah		Ongoing	LWG members continue to provide input to make habitat treatments as effective as possible in addressing threats to sage-grouse. Birds in the area use habitat in Utah and Colorado so increased coordination between states will benefit the local populations.
Conference	Utah	Utah Community-Based Conservation Program (CBCP)	CBCP staff organized a Sage-Grouse Summit for the LWG members in Utah. Others who were interested were invited to attend as well. The Summit was held Feb. 18-19, 2014, at the Utah Department of Natural Resources in Salt Lake City. The room filled to capacity with approximately 250 people attending. Over 80 different people viewed the Summit online. Recordings of the Summit are available on the CBCP website. The Summit provided the most current scientific and policy information available on topics of interest to partners involved with sage-grouse conservation. Another purpose of the Summit was to enhance participant understanding of the Utah Plan and more specifically the roles they could play in its successful implementation.	Utah		Completed	Participants were able to learn about new research and policies concerning sage-grouse. They received practical information helpful for planning habitat treatments or appropriate mitigation measures to meet the goals of the Utah State Plan.

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Conference	Utah	Utah Community-Based Conservation Program	International Sage-Grouse Forum was held in Salt Lake City, Utah, Nov. 13-14, 2014. The Forum was conducted under the auspices of the Western Association of Fish and Wildlife Agencies (WAFWA). The Forum brought together policy makers, managers, scientists, landowners and industry leaders to summarize contemporary knowledge regarding sage-grouse conservation. More than 350 attended and another 200 people joined the Forum online. Utah Gov. Gary Herbert addressed forum participants, calling for continued dialogue and partnerships. The gathering also featured comments from Tom Tidwell, chief of the U.S. Forest Service, and Jason Weller, chief of the Natural Resources Conservation Service, along with sessions led by scientists, public land and wildlife managers, landowners and ranchers, energy industry specialists and local sage-grouse working group members. The Forum's proceedings represent more than two decades of the best-available science for conservation management.	Range-wide. 11 States and two Canadian Provinces		Completed	Because of the unprecedented range wide demand for the information presented at the Forum, the CBCP and WAFWA have made the recorded Forum proceedings available online to the public, free of charge. Participants are able to learn about new research and policies as well as collaborate with others across jurisdictional lines.
Research, Treatments	Utah	West Box Elder Coordinated Resource Management (CRM) group	Research continues with 42 birds being tracked throughout the season. Preliminary results showed higher than average reproductive rates. Many newly treated PJ areas are being used but not to the extent of intact sagebrush. Untreated PJ areas had the lowest use by sage-grouse. Raven surveys have been set up, but no data is available yet. A thesis and research papers will be published upon completion of the project. CRM Sub-committees are meeting regularly and PJ treatment projects are moving forward. Multiple PJ treatments have been planned or completed by private landowners.	West Box Elder County in Utah.		Ongoing research and treatments	Research results will add to our knowledge of how sage-grouse respond to PJ treatments as well as the effects Ravens have on local sage-grouse populations. Pinyon/Juniper encroachment is a threat to sagebrush communities.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Treatments	Utah	West Desert Adaptive Resource Management Sage-grouse Local Working Group	The LWG reviews proposed projects and makes recommendations to ensure they will aid in sage-grouse conservation. The group also reviewed the BLM-USFS draft sage-grouse EIS and provided comments. The group is looking for ways to address threats to sage-grouse in the area, specifically predation by red fox and noxious weed encroachment. NRCS/SGI biologists have organized volunteers to mark a substantial percentage of the fences in sage-grouse habitat.	Tooele and Juab Counties and Goshute Tribal Lands in Utah		Ongoing	Information to make treatments more effective increases sage-grouse conservation. New or increasing threats to sage-grouse must be identified before they can be addressed. LWG members can now develop projects to address the new threats while creating new partnerships.
Statute	Washington	Wildlife Title - Threatened and Endangered species	This allows additional protections and fines for killing or pursuing the birds. In addition, it triggers additional land use protections under the state's growth management act. This outlines local city and county land use planning.	Statewide		Listed	Recovery plan completed ; recovery actions ongoing; County Growth Management Act protections require consideration of impacts and development of conservation measures for listed species.
Recovery Plan	Washington	Publication and adaptation of greater sage-grouse recovery plan	Implemented in 2004, the actions outlined in the recovery plan have provided a foundation for much of the management and research activities on greater sage-grouse in Washington. These activities include the following: (1) translocations to augment populations; (2) translocations to re-establish populations; (3) annual monitoring of populations; (4) support of federal farm programs in greater sage-grouse management zones; (4) establishment and prioritization of management zones; (5) support for research; and (6) support of sage-grouse management activities for agency-specific and area-specific management plans.	Statewide	http://wdfw.wa.gov/publications/pub.php?id=00395	Completed: Recovery actions were reviewed in 2013	Implementation ongoing; provides guidance to the state and other land managers regarding recovery needs for the species.
Plan	Washington	Sage-grouse conservation in Washington: 2013	This report is an update to the greater sage-grouse (hereafter referred to as sage-grouse) distribution and population in Washington State report and is a progress report on the conservation actions as outlined in the 2004 state recovery plan (Stinson et al. 2004).	Statewide	http://wdfw.wa.gov/publications/01602/	Status report - summarizing activities to-date	Provide comprehensive overview of ongoing conservation actions for and status of greater sage-grouse.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Washington	Translocations of greater sage-grouse	With the cooperation of the Nevada Division of Wildlife and the Oregon Department of Fish and Wildlife, greater sage-grouse were translocated to the Yakima Training Center in Yakima County in 2004, 2005, and 2014, and also to the Swanson Lakes Wildlife Area in Lincoln County from 2008 to 2014. Genetic data indicated that the two Washington populations, and the Yakima Training Center population in particular, have undergone a genetic bottleneck, and an infusion of birds from a different population might help restore normal genetic diversity. Initial results suggest that the translocation was unsuccessful in achieving that purpose. The translocation to the Swanson Lakes Wildlife Area was designed to re-establish a population where sage-grouse had been extirpated. Initial results show that sage-grouse have established a lek and they have been successful at reproducing. The Yakama Nation is also conducting a reintroduction, and a lek was established in 2013-2014.	Statewide		Ongoing implementation	Grouse translocated to 2 locations in 2012, 2013, and 2014. Expected/desired outcomes are to address potential genetic bottlenecks of the WA population and to re-establish an extirpated population at Swanson Lakes.
Initiative	Washington	Arid Lands Initiative	The Arid Lands Initiative is a group of governmental and non-governmental organizations that recognize that eastern Washington's shrub steppe landscape has been greatly reduced and fragmented by agricultural, residential and urban development. The initiative hopes to use a coordinated effort to engage landowners with the goal of conserving shrub steppe across multiple jurisdictions.	Statewide	http://waconservation.org/projects/planning	Completed	Identifying sage-grouse acquisition and connectivity priorities; provide a framework for land managers and planners to protect habitat and connectivity.
Working Groups	Washington	Washington Wildlife Habitat Connectivity Working Group	WHCWG is addressing connectivity patterns for numerous focal species, including greater sage-grouse. An analysis of statewide connectivity patterns was published in 2010.	Statewide	http://waconnected.org	Ongoing implementation	Prioritization of areas for resource conservation.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Working Groups	Washington	The Washington Greater Sage-Grouse Working Group	The Washington Greater Sage-Grouse Working Group began in 1997 and meets annually to provide an avenue for information exchange and conservation and management planning.	Statewide		Ongoing	Information exchange; discussion of priorities; coordination of cooperative projects.
Conservation Plans	Washington	Management Plans	Several areas in Washington State provide conservation measures for sage-grouse and sagebrush habitat through management plans, including the Wenas Wildlife Area Management Plan; Swanson Lakes Wildlife Area Management Plan; Oak Creek Wildlife Area Management Plan; L. T. Murray Wildlife Area Management Plan; Wells Wildlife Area Management Plan; Sagebrush Flat Wildlife Area Management Plan; Sunnyside/Snake River Wildlife Area Management Plan .	WDFW Wildlife Areas	http://wdfw.wa.gov/lands/wildlife_areas/	Annually updated	Protection of sage-grouse and their habitat on >260,000 ac of WDFW lands in the area identified in the sage-grouse CCAA.
Program	Washington	Habitat Acquisition	The WDFW and Washington Department of Natural Resources have acquired and conserved important sagebrush habitat. They are conserved through the natural heritage and wildlife area programs.	Statewide		Completed purchases and appraisal	Acquisition of greater than 40,000 acres of additional shrub steppe habitat.
Initiative	Washington	Research on Greater Sage-grouse	Research is an essential component of management and recovery actions in Washington. Research provides the foundation for adaptive management.		http://wdfw.wa.gov/publications/	Ongoing implementation	Effectiveness monitoring of translocations.
Statute	Washington	Fire suppression regulations	The 2011-2013 legislative session changed the fires protection authority to allow DNR to contract and fight fires and nonforestlands.	Statewide		Implemented	DNR has fire protection contracts, resources and authority to fight fires in shrub steppe habitat.
Agreement	Washington	Declaration of Cooperation	Declaration of Cooperation between Secretary Jewell and Governors Inslee and Kitzhaber on the Pacific Northwest Regional Infrastructure Team. This agreement recognized the need to mitigate and protect sage-grouse as energy projects are permitted.	Statewide			

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Washington	Support of Federal Farm Programs	The Washington Department of Fish and Wildlife (WDFW) has a general approach of supporting federal farm conservation programs that produce wildlife habitat, particularly the Conservation Reserve Program (CRP) and the State Acres for Wildlife Enhancement (SAFE) practice. WDFW has private lands biologists that develop SAFE conservation plans for enrolled agricultural fields on private lands. The prescriptions are for SAFE fields to have shrub steppe restoration plantings and effectiveness monitoring.	Statewide	http://wdfw.wa.gov/publications/01285/	Continuous	Additional CRP renewals 130,000 acres, 62,000 acres of CRP enrollment for sage grouse benefits. An additional 86,000 acres have received SGI treatments.
State/Federal/Private partnership	Washington	Candidate Conservation Agreement with Assurances	WDFW is working with the USFWS and agricultural and livestock operators to develop a CCAA for sage-grouse.	Rangewide	In development; will be published in Federal Register	In development; 1st draft near completion	Provide assurances and incidental take permit to producers for incidental take of sage-grouse occurring from otherwise lawful activities associated with livestock and agricultural production by committing to practices that minimize and mitigate impacts.
Strategic Plan	Washington	BLM Resource Management Plan (RMP)	WDFW reviewed and provided input on BLM's draft RMP to help ensure that it contains appropriate conservation measures for sage-grouse and other shrub-steppe species.	Statewide	In development	BLM is considering comments and will publish a final RMP	Strategic plan for resource use and management of BLM lands in WA.
State/Federal/Private partnership	Washington	Foster Creek Conservation District (FCCD) Multi Species General Conservation Plan (MSGCP)	The FCCD worked with the USFWS and WDFW (early in the approximately 15-year process) to develop a MSGCP for sage-grouse, sharp tailed grouse, pygmy rabbit, and WA ground squirrel.	Rangewide	http://www.fws.gov/policy/library/2014/2014-27021.html	Public comment period has ended; USFWS reviewing input	Provide incidental take permit to producers for incidental take of all 4 species occurring from otherwise lawful activities associated with livestock and agricultural production by committing to practices that minimize and mitigate impacts.
Plan	Washington	State Wildlife Area Management Plans	WDFW is undergoing a multi-year effort to update management plans for all state-owned wildlife areas. The first plan being updated is for the Swanson Lakes Wildlife Area which is in sage-grouse habitat.	Swanson Lakes Wildlife Area	In development	First draft completed and being reviewed by internal team	Align management practices on the wildlife area with priority Department objectives, including shrub-steppe integrity and sage-grouse recovery.

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Program	Wyoming	Annual Monitoring	The Department, with the help of others, conducts ground and aerial sage-grouse lek monitoring to determine population trends and habitat protection needs. Habitat use during other seasons is documented as well, especially during brood rearing and winter. Annual Job Completion Reports are prepared locally and statewide to report sage-grouse population status and conservation efforts.	Statewide	http://wgfd.wyo.gov/web2011/wildlife-1000817.aspx	Implemented-Ongoing - Annual	Population status documentation and conservation of habitat.
Initiative	Wyoming	Candidate Conservation Agreements with Assurances	A mechanism to achieve the goals of the statewide sage-grouse conservation effort is development of statewide agreements (Candidate Conservation Agreements with Assurances (CCAA), Candidate Conservation Agreements (CCA), Memoranda of Agreement (MOA) and incentives to insure management actions on private and public lands will continue in a manner that is ecologically, economically, and culturally sustainable. These agreements provide a means for conserving species through proactive conservation measures that reduce the potential for additional regulatory requirements that result if or when species become listed as threatened or endangered. The USFWS has recently approved the statewide CCAA for Wyoming ranch operations.	Statewide		Implemented	

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Executive Order	Wyoming	Greater Sage-Grouse Core Area Protection	Governor Matt Mead issued an Executive Order on June 2, 2011 which reiterated and clarified the intent of Wyoming's Core Area Strategy originally developed under former Governor Freudenthal's administration with the assistance of the Governor's Sage-Grouse Implementation Team and the local sage-grouse working groups. A web-based application and Sage-Grouse Executive Order (SGEO) worksheet has been developed to determine project compliance with the SGEO. An implementation process has been developed, including an online disturbance density and acreage calculation tool and manual to guide users through the process.	Statewide	http://governor.wy.gov/documents/sage_grouse_executive_order.pdf	Ongoing implementation	Office of State Lands and Investments and the Wyoming Oil and Gas Conservation Commission.
Regulation	Wyoming	Procedural Rules and Regulations of the Wyoming Public Service Commission (PSC)	The PSC regulates and supervises public utilities and authorizes certificates of public convenience and necessity (CPCN). Their Procedural Rules and Special Regulations require CPCN applications to ensure consistency of proposed projects with the Governor's Executive Order.	Statewide		Implementation	The PSC reviews applications for projects within sage-grouse core area to ensure consistency with the Executive Order.
Resolution	Wyoming	Greater Sage-Grouse Core Area Protection - Resolution of Support	Wyoming State Legislature passed a resolution in 2009 supporting the governor's Executive Order on Greater Sage-Grouse Core Area Protection.	Statewide			
Initiative	Wyoming	Wyoming Landscape Conservation Initiative	Sage-grouse management is an emphasis in other efforts such as the Wyoming Landscape Conservation Initiative, Pinedale Anticline Project Office and the Jonah Interagency Office. Other agencies, industry, NGOs and private individuals are also engaged in sage-grouse conservation efforts.	Statewide	http://www.wlci.gov/	Ongoing implementation	

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Local Working Groups/Plan	Wyoming	Conservation Planning	Local Working Group planning began in 2004. Eight LWGs completed plans in 2007-08 and have been implementing conservation efforts in the form of habitat treatments, applied research, public outreach and enhanced population monitoring since 2006. In response to the 2010 USFWS listing decision, the Wyoming Sage-Grouse Executive Orders and other new information, the LWGs have revised/ updated their plans. All eight of the final revised plans were presented to the Wyoming Game and Fish Commission in March 2014.	Eight local conservation planning areas covering all occupied sage-grouse habitat in the state.	http://gf.state.wy.us/wildlife/wildlife_management/sagegrouse.asp	Original plans complete in 2007-08 with revisions complete no later than March 2014. Implementation is on-going since 2006 using funds provided by the state legislature (below) along with matching dollars from many public/private partners	Enhanced conservation of sage-grouse via a better informed/ engaged public. Over 150 individual projects have been implemented to date.
Statute	Wyoming	Appropriations	Since 2006, the Wyoming Legislature and agencies have allocated more than \$50 million to conservation of Greater Sage-grouse, through habitat improvements, conservation easements, research, and professional services.	Statewide	http://wgfd.wyo.gov/web2011/wildlife-1000817.aspx	Ongoing implementation	Enhanced conservation of sage-grouse. Over 150 individual projects have been implemented to date.
Initiative	Wyoming	Habitat Mapping	Sagebrush habitat by canopy cover category has been mapped statewide using remote sensing technology and modeling efforts through a partnership with industry, NGOs, academia, and federal organizations. Statewide sage-grouse seasonal range maps for nesting, brood rearing and winter habitats are in the process of development through a similar partnership.	Statewide	Published as a Wildlife Society Monograph.	Peer-review comments have been addressed and the manuscript was published	The model will be used to improve habitat mapping and conservation.
Regulation	Wyoming	Habitat Protection	The WGFD is responsible for implementation of the Governor's Sage-Grouse Executive Order via administration of the state's Density and Disturbance Calculation Tool (DDCT).	Statewide	http://wgfd.wyo.gov/web2011/wildlife-1000817.aspx	Ongoing implementation	To be able to stabilize sage-grouse populations within the cyclic range of sage-grouse in Wyoming and consistent with current science.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Regulation	Wyoming	Hunting Regulations	The WGFD is responsible for managing sage-grouse in Wyoming. They are responsible for the monitoring of populations, setting of seasons and the implementation of the Governor's Sage-Grouse Executive order.	Statewide	http://wgfd.wyo.gov/web2011/wildlife-1000817.aspx	Ongoing implementation	Provide hunting opportunity that is compatible with sustainable populations and consistent with the North American Model of Wildlife Management.
Initiative	Wyoming	Research on Greater Sage-Grouse	Applied research is an important component of sage-grouse conservation in Wyoming.	Statewide	http://wgfd.wyo.gov/web2011/wildlife-1000817.aspx	Ongoing implementation	In 2013, at least 21 sage-grouse research projects were being conducted in Wyoming by a variety of qualified entities and institutions.
Program	Wyoming	Habitat Extension Biologists	WGFD cost-shares four habitat extension biologists with the NRCS. A priority duty for these positions is sage-grouse habitat management on private lands. These positions preceded the NRCS SGI program but have similar goals/objectives.	Eastern Wyoming (Wheatland, Douglas, Gillette) and the Big Horn Basin (Worland).	http://wgfd.wyo.gov/web2011/wildlife-1000708.aspx	Ongoing implementation	Enhanced conservation of sage-grouse habitat on private lands.
Program	Wyoming	Office of State Lands and Investments (OLSI) Review Process	OSLI in collaboration with the Wyoming Game and Fish Department, has developed a review process for applying appropriate stipulations to land use authorizations to maintain existing sage-grouse habitat and prevent declines of sage-grouse populations within core areas. OSLI also includes protection and enhancement of sage-grouse habitat as high criteria in evaluating projects funded by the State Trust Land Preservation and Enhancement Account. When possible, OSLI prioritizes fire suppression efforts to favor sage-grouse core areas.	Statewide		Implemented	Specific stipulations are applied to permits for oil and gas exploration and development, mining, sagebrush treatments, land reclamation, and transmission rights-of way. Currently, wind energy development is not permitted in sage-grouse core areas.

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Program	Wyoming	Department of Environmental Quality (DEQ) Permitting	DEQ administers the process for permitting industrial development. They work with developers in pre-planning, planning and jurisdictional meetings to ensure the SGEO is being implemented. Permit applications for these projects are reviewed by 19 state agencies. In this process, agencies with regulatory authority may assert their jurisdiction, and cite their protocols for sage-grouse protection. Sage-grouse habitat characteristics are considered, where appropriate, in designing reclamation. DEQ has taken fire abatement actions on coal mining sites to protect sage-grouse habitat from potential wildfires.	Statewide		Implemented	
Program	Wyoming	Wyoming Wildlife and Natural Resources Trust (WWNRT)	WWNRT has taken a particularly aggressive approach to sage-grouse habitat enhancement and conservation easements. Projects are evaluated within the context of the most recent science to assure they improve conditions for the species. Sage-grouse projects are given priority by the WWNRT Board.	Statewide		Ongoing implementation	Between 2011 and 2013, 50 projects specifically aimed at sage-grouse conservation were funded. Project funding of greater than \$10 million was allocated.
Program	Wyoming	Easements	Since 2006, Wyoming has approved funding for more than 70 conservation easements in sage-grouse core areas, encompassing more than 150,000 acres of valuable habitat, and, with other funders, allocating more than \$100 million to long-term habitat conservation.	Statewide		Implemented	

Counties

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Delta County, Colorado Dolores County, Colorado Gunnison County, Colorado Hinsdale County, Colorado Mesa County, Colorado Montezuma County, Colorado Montrose County, Colorado Ouray County, Colorado Saguache County, Colorado San Miguel County, Colorado San Juan County, Utah	Memorandum of Understanding	The 2013 Memorandum of Understanding created a coalition of 11 local governments and memorialized the parties intent to take specific coordinated actions to reach the goal of increasing the current abundance, viability and vitality of the Gunnison Sage and its habitat.	Delta County, Colorado Dolores County, Colorado Gunnison County, Colorado Hinsdale County, Colorado Mesa County, Colorado Montezuma County, Colorado Montrose County, Colorado Ouray County, Colorado Saguache County, Colorado San Miguel County, Colorado San Juan County, Utah.			The specific outcome of this MOU was the execution of the Conservation Agreement among the State of Colorado and the State of Utah and nine local governments identifying a commitment to amending the 2005 Gunnison Sage-grouse Rangewide Conservation Plan and adoption of the same along with implementing the Habitat Prioritization Tool.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Agreement	Delta County, Colorado Dolores County, Colorado Gunnison County, Colorado Mesa County, Colorado Montrose County, Colorado Ouray County, Colorado Saguache County, Colorado San Miguel County, Colorado San Juan County, Utah	Conservation Agreement	In 2013 the State of Colorado and the State of Utah along with nine local governments entered into a Conservation Agreement and created a coalition for cooperation, collaboration and partnership for fostering conservation efforts for the Gunnison Sage-grouse. The parties to this agreement have further committed to amending the 2005 Gunnison Sage-grouse Rangewide Conservation Plan and adoption of the same along with implementation of the Habitat Prioritization Tool.	The following Colorado counties: Delta, Dolores, Gunnison, Mesa, Montrose, Ouray, Saguache and San Miguel. Along with San Juan County, Utah.		Implemented	Monthly meetings serve as a forum for collaboration and planning. Along with coordination for implementing the HPT and re-evaluation of the Rangewide Plan.
Initiative	Delta County, CO	Crawford Area Local Working Group	Local working groups help to coordinate efforts within and among populations and are composed of landowners, sportsmen, interested citizens, representatives from non-governmental organizations, land management agencies and local governments.	Delta County, CO and Montrose County, CO		Ongoing	Concerted ongoing efforts in pursuit of preservation of the Gunnison Sage-grouse and its habitat.
Conservation Plan	Delta County, CO	Crawford Area Gunnison Sage-grouse Conservation Plan, March 28, 2011	The purpose of the Conservation Plan is to establish certain goals and initiatives to ensure that adequate work is being conducted to conserve the Gunnison Sage-grouse and its habitat.	Delta County, CO and Montrose County, CO		Implemented	Pursuing established goals and initiatives ensure oversight of preservation of the Gunnison Sage-grouse and its habitat.
Regulation	Delta County, CO	Delta County Resolution No: 2013-R-025 Confirms Review of Wildlife Habitat Including Gunnison Sage-grouse	This Resolution confirms Delta County's regulatory authority in review of wildlife habitat including Gunnison Sage-grouse habitat in subdivisions, specific developments and access for parcels greater than 35 acres.	Delta County, CO		Implemented	Protection of Gunnison Sage-grouse and its habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
GIS Tool	Delta County, CO	Habitat Prioritization Tool	The "Habitat Prioritization Tool" (HPT) is used to assess all land use applications (building, ISDS, access (driveways, etc.), subdivision applications, etc.) for impacts to sage-grouse habitat. This tool is GIS based and actually scores all the sage-grouse habitats, individually and collectively. It is precise enough to use for smaller parcels (<35 acres) as well as larger parcels.	Delta County, CO and Montrose County, CO		Implementing	More accurately account for sage-grouse when reviewing land use applications.
Initiative	Dolores County, CO	Bi State/ Tri County Sage Grouse Working Group	Local working groups help to coordinate efforts within and among populations and are composed of Colorado and Utah landowners, sportsmen, interested citizens, representatives from non-governmental organizations, land management agencies and local governments.	Dolores County, CO and San Juan County, UT		Ongoing	Concerted ongoing efforts in pursuit of preservation of the Gunnison Sage-grouse and its habitat.
Conservation Plan	Dolores County, CO	Gunnison Sage-grouse Conservation Plan, Dove Creek, CO	The purpose of the Conservation Plan is to establish certain goals and initiatives to ensure that adequate work is being conducted to conserve the Gunnison Sage-grouse and its habitat.	Dolores County, CO		Implemented	Pursuing established goals and initiatives ensure oversight of preservation of the Gunnison Sage-grouse and its habitat.
Regulation	Dolores County, CO	Resolution No. 05-13-04, "A Resolution Recognizing Planning and Regulating Means Available for Local Efforts in Preservation of Gunnison Sage Grouse	This Resolution confirms and reaffirms Dolores County's planning and regulatory means available for local efforts in preservation of the Gunnison Sage Grouse and its habitat.	Dolores County, CO		Implemented	Protection of Gunnison Sage-grouse and its habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Plan	Elko County, NV	Greater Sage Grouse Management and Conservation Plan	The Elko County Greater Sage Grouse Management and Conservation Strategy Plan is designed to provide Sage Grouse management, conservation, preservation and rehabilitation measures, strategies and funding sources to the private property owner, public lands users, developer and federal land management agencies that will benefit the Greater Sage Grouse population and habitat in the region without the loss of Elko County's heritage, culture and economy. Expenditures for the development and implementation of the Plan exceeds \$100,000. No federal funding was used.	Elko County, Nevada	http://www.elkocountynv.net/Grouse/Elko_County_Sage_Grouse_Management_and_Conservation_Strategy_Plan_Final_Signatures_Sept_19_2012.pdf	Full Elko County Private Property Development / Federal Agency Coordination	Implemented through Private Property jurisdiction and Development Criteria.
Data Research and Development	Elko County, NV	Devils Gate Ranch, Southfork Te-Moak Tribe Reservation and Clover Valley Greater Sage-Grouse Conservation Pilot Projects	The pilot projects are intended to be a research and data development project that will identify cooperative privately owned and operated ranches and tribal lands in Elko County that distinguishes and restores historical agricultural uses that were commonly utilized during European settlement pre federal land management. This technique accompanied with historical predator control methods and historical grazing practices will be monitored over approximately 150 or more square miles of privately owned or tribal lands. The projects will include and require constant qualified monitoring of the Greater Sage-Grouse populations, habitat and concurrent predator populations in the project areas. Local funding and volunteer in-kind services exceed \$125,000. No federal funding was used.	Nevada Northern Regional		Fully implemented on all three projects.	Develop, communicate and provide pertinent collected data and information from the project study areas to various Local, State and Federal agencies as needed for the development of other Greater Sage-Grouse data sets and planning documents.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Local Working Group	Elko County, NV Northeastern Nevada Stewardship Group	Habitat Management Demonstration Project	The Northeastern Nevada Stewardship Group, Inc. (NNSG) Habitat Management Demonstration Project (Project) was implemented to demonstrate the application of various vegetation treatments which can be used to rejuvenate sagebrush-bunchgrass rangelands from a shrub dominated state, while establishing a new age class of sagebrush and increasing the herbaceous composition within the plant community. The treatments included prescribed burning, aeration, disking, and herbicide application. Each of the treatments was intended to reduce shrub canopy cover by 70-80 percent to create habitat for sage-grouse and other wildlife species. The Project also served as a demonstration of how to improve watershed processes. Controls were also established as representative areas of pre-treatment habitat conditions.	Nevada Northern Regional	http://www.nnsg.org/Projects/Test%20Plots/NNSG%20Final%20Monitoring%20Report.pdf		Develop, communicate and provide pertinent collected data and information from the project study areas to various Local, State and Federal agencies as needed for the development of other Greater Sage-Grouse data sets and planning documents.
Local Working Group	Elko County, NV Northeastern Nevada Stewardship Group	North Fork Sage-Grouse Population Management Unit (PMU) in Elko County, Nevada.	This report summarizes the assessment of the North Fork Sage-Grouse Population Management Unit (PMU) in Elko County, Nevada. The report is based on over 2,400 field data points taken in an area of over 1.7 million acres. The soil map units as determined by the Natural Resource Conservation Service were the field map units on which the assessment was based. There was an ecological site correlated to each soil in the soil map unit, and the ecological sites became the field sample units.	Nevada Northern Regional	http://www.nnsg.org/Projects/North%20Fork/North%20Fork%20PMU%20Assessment.RPT.Final.pdf	Assessment Complete	Develop, communicate and provide pertinent collected data and information from the project study areas to various Local, State and Federal agencies as needed for the development of other Greater Sage-Grouse data sets and planning documents.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Local Working Group	Elko County, NV Northeastern Nevada Stewardship Group	Tuscarora Sage-Grouse Population Management Unit (PMU)	This report includes information on the Tuscarora Sage-Grouse Population Management Unit (PMU) and three sub-basins that underwent a watershed assessment process. The report is divided into four chapters – one for the PMU and one each for each of the sub-basins. The three chapters related to the sub-basins have parallel structure, whereas the PMU chapter is organized to only discuss the various habitat issues.	Nevada Northern Regional	http://www.nnsg.org/Projects/TuscaroraWatershed/Tuscarora%20PMU%20Final%20Report.pdf	Assessment Complete	
Local Working Group	Elko County, NV Northeastern Nevada Stewardship Group	Tuscarora Comprehensive Fuels Management and Weed Containment Project		Tuscarora, Elko County	http://www.nnsg.org/Projects/Tuscarora%20Weeds/Tuscarora%20Project%20Update%202012.pdf		
Local Working Group	Elko County, NV Northeastern Nevada Stewardship Group	Elko County Sagebrush Ecosystem Conservation Strategy	The Strategy presented herein is a process for assessing the 19 watersheds within the planning area. As such, there is no commitment by any agency or individual signatory below to any expenditure of funds or personnel resources to the process. By their signatures, these individuals and/or the agency represented by the signatory, are agreeing to proceed with the process and are indicating a general approval of the Strategy. Their signature should not be interpreted to mean that each signatory is in total agreement with all of the wording or all of the components of this Strategy. Each agency can only participate to the extent allowable by law, regulation, or policy. Private funding and Bureau of Land Management (BLM)/U.S. Forest Service (USFS) collaborative efforts unknown expenditure.	Nevada Northern Regional	http://nnsg.org/resources/Strategy-R1F-tagged.pdf	Assessment Complete	

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Local Working Group	Stewardship Alliance of Northeast Elko County (SANE)	SANE Sagebrush Ecosystem Conservation Plan	Collaborative landowner led group with goals that include enhancing viability of range livestock operations through improved practices to minimize negative impacts of grazing on private and public lands through sagebrush ecosystem conservation and mitigation of specific documented risks to greater sage grouse using science and local expertise to develop, implement, and monitor projects in the SANE Plan Area. Jurisdiction- Northeast Elko County, Nevada. Private funding and NDOW / BLM / USFS collaborative efforts unknown expenditure.	Northeastern Elko County	Robin Boies, HC 34, Box 300, Wells, Nevada. Prepared by the Stewardship Alliance of Northeast Elko County and Sheila Anderson, Editor-Resource Concepts, Inc. 340 N. Minnesota Street, Carson City, NV 89703.	The group has been meeting for over two years and has a proposed list of over 85 projects. The top 15 ranked projects are currently in the funding and implementation phase. Fifty-seven projects have been completed prior to or in conjunction with the SANE planning process and will continue to be tracked by the SANE group.	
Conservation Plan	Garfield County, CO	The Garfield County Greater Sage Grouse Conservation Plan	The purpose of the Plan is to provide private and public land owners with land management principles, policies, incentives, and best management practices based on the best available science that are tailored to fit Garfield County's unique landscape and habitat characteristics for the betterment of the species. The Planning Area within the Plan consists of 220,000 acres that has approximately 73,000 acres of suitable greater Sage grouse habitat of which 80% are located on private lands and 20% are on public lands.	Garfield County, CO	http://www.garfield-county.com/community-development/documents/FINAL-Approved-Grouse-Plan-Amendment%2011-20-2014.pdf	Implemented and ongoing.	Projects that are reviewed by the County (through its zoning authority on private lands) that fall within mapped suitable habitat may have mitigation requirements placed on them as conditions of approval through the approval process. Project proponents are able to plan their projects guided by the Plan's policies and can implement the Plan's best management practices by addressing specific threats. The ultimate outcome is further protection and preservation of the Greater Sage-grouse and its habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Gunnison County, CO	Gunnison Basin Sage-grouse Strategic Committee Gunnison County, Colorado	This strategic committee is comprised of 12 members appointed by the Board of County Commissioners of Gunnison County and one member appointed by the Board of County Commissioners of Saguache County. Members are to work with the Gunnison County Wildlife Conservation Coordinator in an advisory capacity. The organization is governed by the Action Plan and the goal to implement programs and strategies which will aid in the preservation of the Gunnison Sage-grouse pursuant to the Strategic Plan.	Saguache County, CO and Gunnison County, CO		Ongoing - Original Work Group started 1995	Concerted ongoing efforts in pursuit of preservation of the Gunnison Sage-grouse and its habitat.
Policy	Gunnison County, CO	Gunnison County Strategic Plan (rev May 2011)	Requires designation of areas appropriate for habitat protection, ag production, industrial, commercial and residential development by 2013. Gunnison Sage-grouse is the primary wildlife species being identified.	Gunnison County, CO	http://www.gunnisoncounty.org/DocumentCenter/View/2324	Ongoing	Pursuing established goals and initiatives ensure oversight of preservation of the Gunnison Sage-grouse and its habitat.
Conservation Plan	Gunnison County, CO	Gunnison County Sage-grouse Conservation Action Plan, October 20, 2009	The Conservation Action Plan is the result of the efforts of the Gunnison Basin Sage-grouse Strategic Committee to ensure that adequate work is being conducted to conserve the Gunnison Sage-grouse. The Plan is based upon two different criteria, that every action addresses one or more of the seven objectives listed in the Strategic Plan and that actions included relate to the five listing factors of the FWS.	Gunnison County, CO		Ongoing	Pursuing established goals and initiatives ensure oversight of preservation of the Gunnison Sage-grouse and its habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Gunnison County, CO	Candidate Conservation Agreements with Assurances	In 2006, CPW finalized an umbrella CCAA with the US Fish and Wildlife Service for the Gunnison Sage Grouse. Baseline data was developed for 41 properties at a cost of \$350,000. 19 Certificate of Inclusions (CI's) have been completed, and 2 CI's are awaiting review by the US Fish and Wildlife Service. When these CI's are finalized, 29,385 acres of private lands will be enrolled in the CCAA program in the Gunnison Basin. 6 additional CI's are under development, which, if completed will enroll an additional 21,000+ acres. If CPW successfully enrolls all properties now in process, the CCAA goal for the Gunnison Basin will be achieved by 105%.	All Gunnison Sage-grouse Populations in Colorado.		Analysis underway	Conservation program
Initiative	Gunnison County, CO	Candidate Conservation Agreement for the Gunnison Sage-Grouse, <i>Centrocercus minimus</i> , Gunnison Basin Population, 2013	The Gunnison Basin Sage-grouse Strategic Committee facilitated this initiative. Along with Federal land management agencies, the Gunnison Basin Sage-grouse Strategic Committee developed the Candidate Conservation Agreement to promote conservation of the Gunnison Basin population of Gunnison Sage-grouse by addressing three categories of threats to sage-grouse habitat on federal public lands as identified in the 2010 FWS status review: development, recreation and grazing.	All Gunnison Sage-grouse Populations in the Gunnison Basin to include Gunnison County and Saguache County, Colorado.		Analysis underway	Mitigation fund
GIS Tool	Gunnison County, CO	Habitat Prioritization Tool	"Habitat Prioritization Tool" (HPT) is used to assess all land use applications within Gunnison County inside GuSG occupied habitat (building, ISDS, access (driveways, etc.), subdivision applications, etc.) for impacts to sage-grouse habitat. This tool is GIS based and actually scores all the sage-grouse habitats, individually and collectively. It is precise enough to use for smaller parcels (<35 acres) as well as larger parcels.	Gunnison County, CO		Implemented	More accurately account for sage-grouse when reviewing land use applications.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Program	Gunnison County, CO	Gunnison County Wildlife Conservation Program	Establishment of a county department that primarily addresses Gunnison sage-grouse conservation. Coordinator was hired in 2005, program is ongoing. Works with all federal and state agencies, as well as public and private landowners.	Gunnison County, CO	http://www.gunnisoncounty.org/sage_grouse.html		
Initiative	Gunnison County, CO	Gunnison Sage-grouse Conservation Trust Fund - Habitat Projects	Several habitat enhancement projects funded through the Gunnison Sage-grouse Trust Fund are: a) Habitat Enhancement Project to create an island of ideal brood rearing habitat by introducing water and a different food base. b) Doyleville Gunnison Sage-grouse Habitat Improvement Project. c) Gunnison Sage-grouse Hay Meadow Interface Inter-seeding Project. d) Habitat Improvement Project to conserve land along Tomichi Creek. e) Gunnison Conservation District Projects. f) Conservation easements - 2 properties totaling 614 acres within Gunnison sage-grouse occupied habitat.	Gunnison County, CO		Completed	Preservation and enhancement of Gunnison Sage-grouse habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Gunnison County, CO	Gunnison Sage-grouse Conservation Trust Fund - Research Projects	Several research projects funded through the Gunnison Sage-grouse Trust Fund and/or in collaboration with local groups, federal and state agencies include: a)Gunnison Sage-grouse/ Grazing Research - Gunnison Basin Sage-grouse Strategic Committee; b) Raven Population Study; c) Gunnison Sage-grouse Summer Use Study at Proposed W Mountain Trail Site; d) Flat Top Mountain Gunnison Sage-grouse and Big Game Habitat Monitoring Study; e) Gunnison Conservation District Projects; f) Wildlife Conservation Society Wildlife Conservation Society Climate Adaptation Fund – Enhancing Ecosystem Resilience of Wetland/ Riparian Habitats to Increase the Adaptive Capacity of Gunnison Sage-grouse in the Gunnison Basin – Final Report by The Nature Conservancy and the Gunnison Climate Working Group (Bureau of Land Management-Gunnison Field Office, Colorado Natural Heritage Program; Colorado Parks & Wildlife, Gunnison County, Gunnison County Stockgrowers Association, Lake Fork Valley Conservancy, National Center for Atmospheric Research, National Park Service, Natural Resources Conservation Service, Rocky Mountain Biological Lab, The Nature Conservancy, Trout Unlimited, Upper Gunnison River Water Conservancy District, U.S. Fish & Wildlife Service, U.S. Forest Service, Western State Colorado University and Western Water Assessment), September 27, 2013	Gunnison County, CO		Completed	
Regulation	Gunnison County, CO	Gunnison County Land Use Resolution (Sec 11-106)	Land use regulations intended to: 1) sustain and enhance existing populations of Gunnison Sage-grouse; 2) preclude the need to list or minimize the impact of listing. Primary cooperation with the Colorado Division of Parks and Wildlife (providing biological and technical expertise for land use reviews).	Gunnison County, CO	http://www.gunnisoncounty.org/planning_regulations_guidelines.html	Implemented	Further protection and preservation of the Gunnison Sage-grouse and its habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Regulation	Gunnison County, CO	Gunnison County Regulations for the Use of Geothermal Resources for the Commercial Generation of Electricity	Gunnison County adopted Regulations for the Use of Geothermal Resources for the Commercial Generation of Electricity to include Gunnison Sage-grouse specific sections requiring pre-application conference and consultation with the Wildlife Conservation Coordinator and identification of potential mitigation of Sage-grouse related issues.	Gunnison County, CO	http://www.gunnisoncounty.org/DocumentCenter/View/3603	Implemented	Further protection and preservation of the Gunnison Sage-grouse and its habitat.
Regulation	Gunnison County, CO	Amendment to the Gunnison County Land Use Resolution Section 13-115: Reclamation and Noxious Weed Control by Resolution 2014-24	Gunnison County amended its Land Use Resolution, Section 13-115: Reclamation and Noxious Weed Control to incorporate a Gunnison Sage-grouse specific section requiring a preapplication conference for any proposed disturbance within Gunnison Sage-grouse habitat with site specific analysis utilizing the Habitat Prioritization Tool.			Implemented	Further protection and preservation of the Gunnison Sage-grouse and its habitat.
Regulation	Gunnison County, CO	County Annual Road Closures	Gunnison County, in cooperation with the Bureau of Land Management and the United States Forest Service, closes twelve County roads at 16 closures points annually, to all motorized travel, to protect Gunnison Sage-grouse during their lekking (breeding) season.	Gunnison County, CO	http://www.gunnisoncounty.org/commissioners_pdf/resolutions/2006/Resolution%202006-19.PDF	On-going	Further protection and preservation of the Gunnison Sage-grouse and its habitat.
Tax initiative	Gunnison County, CO	Gunnison County Land Preservation Fund	A 1% county sales tax generates approximately \$300,000 annually to fund open space and conservation easements, including areas within the Gunnison Sage-grouse Occupied Habitat.	Gunnison County, CO	http://gunnisoncounty.org/gis_maps.html	On-going	Further protection and preservation of the Gunnison Sage-grouse and its habitat.
Regulation	Harney County, Oregon	Harney County Comprehensive Land Use Plan and Harney County Land Use Ordinance	The subdivision and partition ordinance is particularly designed to protect and conserve agriculture land in our county. Only 24%+ of this county is private lands but this is the county ordinance required by state law that limits development on those lands, thereby providing significant amounts of regulatory control, particularly on development.	Harney County, Oregon	http://www.co.harney.or.us/PDF_Files/Subdivision%20and%20Partitioning%20Ordinance%20%20Revised.pdf		

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Policy	Hot Springs County, WY	Wildlife-Sage Grouse, Promote improved habitat, predator control, and (if necessary) suspension of hunting season	Actions and required measures are to encourage habitat improvements, encourage predator control and if absolutely necessary, suspend hunting seasons to promote population growth.	All Public Lands in Hot Springs County	www.hscounty.com		
Conservation Plan	Jackson County, CO and the North Park Greater Sage-grouse Working Group	North Park Greater Sage-grouse Conservation Plan - December 2001	The purpose of the Conservation Plan is to establish certain goals, objectives, strategies and implementation actions to maintain stable populations of Greater sage-grouse and adequate quality habitat to support them in the North Park Basin.	Jackson County, CO working with the North Park Greater Sage-grouse Working Group, local community groups and organizations and state and federal agencies		Ongoing and being implemented	Increase/maintain stable populations of Greater Sage-grouse in the North Park Basin and insure adequate quality habitat to support the grouse population.
GIS Assessment Tools	Jackson County, CO	County Geographic Information System (GIS)	County GIS used to assist with the assessment of land use applications (building, Individual Sewage Disposal System (ISDS), access permits, subdivision and rezoning applications, etc.) within Jackson County on Greater Sage-grouse habitats and populations.	Jackson County, CO working with the North Park Greater Sage-grouse Working Group, local community groups and organizations and state and federal agencies		Implemented	Assists in the assessment of proposed new development on Greater Sage-grouse populations and habitat within the North Park Basin. Jackson County's GIS system was utilized in 2014 to analyze exurban development that has occurred during the past 34 years as same would impact preliminary Greater Sage-grouse habitats. The results of this exurban analysis provided data to Colorado's Greater Sage Grouse: Colorado Synthesis Report prepared for the U.S. Fish and Wildlife Service (USFWS) by the Colorado Department of Natural Resources. Over \$7,500 in county funds were expended for this single data analysis.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Noxious Weed Control	Jackson County, CO	Jackson County Noxious Weed Control Program	Noxious weed control across all landscapes including Greater Sage-grouse habitats.	Jackson County, Colorado		Implemented	Treat and control noxious weed invasion across all landscapes in the county, including Greater Sage Grouse (GrSG) habitat. County's noxious weed program not only receives funds from the county but also from private, state, and federal partners. During the last five years, over \$232,000 has been expended for noxious weed control in the basin. The county's weed control program has been very effective in controlling weed infestations across the North Park landscapes.
Policy and Regulation	Jackson County, CO	Jackson County, CO Zoning Resolution and Jackson County, Colorado Comprehensive Master Plan	Amend the Jackson County Zoning Resolution that regulates land use authorizations in Jackson County. Prepare amendments to the Jackson County Comprehensive Master Plan that sets forth goals, objectives and policies that guide growth and development in the North Park Basin.	Jackson County, Colorado		Ongoing	The Jackson County Planning Commission has initiated discussions on how best to amend the county zoning regulations and the county's comprehensive master plan to better address the protection of Greater Sage-grouse habitats and to mitigate adverse impacts to this bird from proposed development. The Gunnison County Land Use Resolution, Section 11-106 Protection of Wildlife Habitat Areas will provide the Jackson County Planning Commission an example of what one Colorado county had adopted as a regulatory land use tools.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Jackson County, CO	Jackson County, Colorado	Jackson County elected and appointed officials working to help coordinate efforts within and among various groups composed of members of the local Greater Sage-grouse Working group, landowners, sportsmen, interested citizens, representatives from non-governmental organizations, state and land management agencies and local governments.	Jackson County, Colorado		Ongoing	Concerted ongoing efforts in pursuit of preservation of the Greater Sage-grouse and its habitat in the North Park Basin. Jackson County representatives attend and actively participate in North Park Greater Sage-grouse Working Group meetings which are open to the public and provide a public forum for the public to become involved to improve county land use planning as it relates to management of GrSG and GRSg habitat. Local Working Group (LWG) meetings provide a very good forum for public information exchange, communication and education. County representatives also attend many other meetings, such as local stockgrower annual meetings where GrSG issues and management are discussed. County also participated as a Cooperating Agency in the BLM's NW Colorado Sage Grouse Environmental Impact Statement (EIS). During the five year period from 2010 through 2014, it is estimated that over \$103,000 in county funds were spent for travel expenses and salaries related just to time spent in meetings and preparing comments and other documents related to those meetings.
Initiative	Mesa County, CO	Pinon Mesa Gunnison Sage-grouse Partnership	Local working groups help to coordinate efforts within and among populations and are composed of landowners, sportsmen, interested citizens, representatives from non-governmental organizations, land management agencies and local governments.	Mesa County, CO		Ongoing	Concerted ongoing efforts in pursuit of preservation of the Gunnison Sage-grouse and its habitat.
Conservation Plan	Mesa County, CO	Gunnison Sage Grouse Conservation Plan, Pinon Mesa, Colorado	The purpose of the Conservation Plan is to establish certain goals and initiatives to ensure that adequate work is being conducted to conserve the Gunnison Sage-grouse and its habitat.	Mesa County, CO		Implemented	Pursuing established goals and initiatives ensure oversight of preservation of the Gunnison Sage-grouse and its habitat.
Initiative	Montrose County, CO	Crawford Area Local Working Group	Local working groups help to coordinate efforts within and among populations and are composed of landowners, sportsmen, interested citizens, representatives from non-governmental organizations, land management agencies and local governments.	Montrose County, CO and Delta County, CO		Implemented	Concerted ongoing efforts in pursuit of preservation of the Gunnison Sage-grouse and its habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Plan	Montrose County, CO	Crawford Area Gunnison Sage-grouse Conservation Plan, March 28, 2011	The purpose of the Conservation Plan is to establish certain goals and initiatives to ensure that adequate work is being conducted to conserve the Gunnison Sage-grouse and its habitat.	Montrose County, CO and Delta County, CO		Implemented	Pursuing established goals and initiatives ensure oversight of preservation of the Gunnison Sage-grouse and its habitat.
Regulation	Montrose County, CO	Resolution No: 39-2013 "Resolution of the Board of County Commissioners for Montrose County, Colorado Concerning the Adoption of "1041" Regulations for the Protection of Gunnison Sage Grouse Occupied Habitat	In November of 2013, Montrose County implemented regulations specifically for the protection of Gunnison Sage Grouse (GuSG) and their habitat. These regulations require land use applications within occupied GuSG habitat to obtain a separate development permit prior to the issuance of a land use approval (building permit, subdivision, etc.). Applications subject to these regulations are reviewed by Colorado Parks and Wildlife (CPW) and an independently contracted wildlife biologist. Based on the recommendations of CPW and the contract biologist, the county may require mitigation actions or amendments to an application. If the impacts of an application cannot be mitigated the county may deny the required development permit.	Montrose County, CO	Montrose County Resolution #39-2013, Reception #851294, November 4, 2013.	Implemented	Protection of GuSG habitat on the private portion of the range. Mitigation and/or avoidance of impacts from ex-urban development. Provision of predictable, landscape level protection which is fully implemented within the local jurisdiction.
Initiative	Montrose County, CO	The Denham Ranch/Kinikin Area Gunnison Sage-grouse Habitat Restoration Project	The Denham Ranch project is a collaborative county, landowner, stake owner and multi agency Gunnison Sage-grouse habitat restoration project to create and improve habitat for the Gunnison Sage-grouse and will work to restore ecosystem health and function and encourage sustainable use of the resources.	Montrose County, CO		Completed	Enhancement and restoration of Gunnison Sage-grouse habitat

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
GIS Tool	Montrose County, CO	Habitat Prioritization Tool	"Habitat Prioritization Tool" (HPT) is used to assess all land use applications (building, ISDS, access (driveways, etc.), subdivision applications, etc.) for impacts to sage-grouse habitat. This tool is GIS based and actually scores all the sage-grouse habitats, individually and collectively. It is precise enough to use for smaller parcels (<35 acres) as well as larger parcels.	Montrose County, CO and Delta County, CO		Implementing	More accurately account for sage-grouse when reviewing land use applications.
Regulation	Montrose County, CO	Resolution No: 07-2014, "Resolution of Board of County Commissioners of Montrose County, Colorado, Concerning Seasonal Closure of C77 Road (aka Green Mountain Road) Sec 4, T50N, R7W, NMPM	The Montrose County Board of County Commissioners has authorized annual seasonal closure of C77 Road which runs through the identified "Crawford" population of the GuSG. This closure protects heavily utilized GuSG habitat from disturbance during lekking and brooding periods. The closure occurs annually from December 1 - May 15 and is done in partnership with Colorado Parks and Wildlife and Bureau of Land Management.	Montrose County, CO	Montrose County Resolution #07-2014, Reception #853138, January 21, 2014.	Implemented	Protection of GuSG habitat from motorized disturbance during critical periods.
Regulation and Policy	Ouray County, CO	Draft - Resolution Concerning the Adoption of "1041" Regulations for the Protection of Gunnison Sage-Grouse in Occupied Habitat	Ouray County is in the process of adopting "1041" Regulations by Ouray Land Use Code, Section 31: Guidelines and Regulations for Development in Areas Designated as Potential Habitat for the Gunnison Sage-grouse.	Saguached County, CO		Implementing	Further protection and preservation of the Gunnison Sage-grouse and its habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Regulation and Policy	Ouray County, CO	Resolution No: 2013-022, "A Resolution of the Ouray County Board of County Commissioners Adopting a Policy Regarding Protection of Gunnison Sage Grouse Habitat"	This resolution provides for temporary seasonal road closures within 0.6 miles of active leks, and regulates development by requiring mitigation and best management practices for development within 0.6 miles of leks.	Ouray County, CO		Implemented	Further protection and preservation of the Gunnison Sage-grouse and its habitat.
Policies	Routt County, CO	Routt County Master Plan	While not sage-grouse specific, the Master Plan does include policies that may result in the denial or revocation of applications/approvals that negatively impact critical wildlife habitat, including cumulative impacts from multiple permits/operations	Routt County, CO	http://www.co.routt.co.us/DocumentCenter/View/275	Ongoing, plan adopted in 2003	Land Use applications evaluated on a case-by-case basis for critical habitat impacts. CPW concerns often result in conditions of approval for mitigation of impacts on habitat.
Regulations	Routt County, CO	Routt County Zoning and Subdivision Regulations	Multiple regulations for mitigation or avoidance of critical wildlife areas, including "6.6. Mitigation Techniques for Development within Critical Wildlife Areas."	Routt County, CO	http://www.co.routt.co.us/index.aspx?NID=194	Approved, ongoing implementation	Land Use applications evaluated on a case-by-case basis for critical habitat impacts. CPW concerns often result in conditions of approval for mitigation of impacts on habitat.
Mitigation Plans	Routt County, CO	Wildlife Mitigation Plan (WMP)	To implement multiple County policies and regulations, the County may require a WMP agreed upon by the CPW and the applicant as a condition of land use approvals.	Routt County, CO	Various subdivisions and permits	Approved on a case-by-case basis, ongoing implementation	WMP is a required condition of approval on multiple subdivisions and heavy-impact land uses such as mines.
GIS Tool	Routt County, CO	CPW Habitat Mapping	Routt County Planning staff utilizes CPW (critical) habitat mapping to evaluate projects pre-application and throughout the approval process. Site specific evaluations are performed by CPW staff in response to a County referral.	Routt County, CO		Used for all land use applications	If the CPW is not consulted prior to County application, mapping is used to alert applicants to the probability of critical habitat
Initiative	Routt County, CO	Purchase of Development Rights Land Conservation Plan	Voter approved Mill Levy that has raised \$21.6 million (leveraging another \$57.1 million of Federal, State and Local funding and In-Kind Landowner contributions) preserving over 41,000 acres of land including significant areas of Sage-Grouse habitat.	Routt County, CO		Completed to date. Program funded through 2025	Continued protection of open space and wildlife habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Saguache County, CO	Gunnison Basin Sage-grouse Strategic Committee Gunnison County, Colorado	This strategic committee is comprised of 12 members appointed by the Board of County Commissioners of Gunnison County and one member appointed by the Board of County Commissioners of Saguache County. Members are to work with the Gunnison County Wildlife Conservation Coordinator in an advisory capacity. The organization is governed by the Action Plan and the goal to implement programs and strategies which will aid in the preservation of the Gunnison Sage-grouse pursuant to the Strategic Plan.	Saguache County, CO and Gunnison County, CO		Ongoing	Concerted ongoing efforts in pursuit of preservation of the Gunnison Sage-grouse and its habitat.
Initiative	Saguache County, CO	Poncha Pass Gunnison Sage-grouse Working Group	Local working groups help to coordinate efforts within and among populations and are composed of landowners, sportsmen, interested citizens, representatives from non-governmental organizations, land management agencies and local governments.	Saguache County, CO		Ongoing	Concerted ongoing efforts in pursuit of preservation of the Gunnison Sage-grouse and its habitat.
Conservation Plan	Saguache County, CO	The Poncha Pass Gunnison Sage-grouse Conservation Plan	The purpose of the Conservation Plan is to establish certain goals and initiatives to ensure that adequate work is being conducted to conserve the Gunnison Sage-grouse and its habitat.	Saguache County, CO		Implemented	Pursuing established goals and initiatives ensure oversight of preservation of the Gunnison Sage-grouse and its habitat.
Regulation	Saguache County, CO	Road Closures	In a collaborative effort with BLM, BLM Roads 980, 948, 982 and Saguache County Road WW13 and others are closed during lek seasons. Saguache County is in process of studying additional road closures: UU13, PP14, Nn14, 17GG, 23YY, 24UU, 24VV, KK14, 6YY, 6UU, 5YY, YY10, 1TT	Saguache County, CO		Implemented and studying	To protect Gunnison Sage-grouse during lek season.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Saguache County, CO	Gunnison Sage-grouse Habitat Enhancement Projects	Saguache County, federal agencies and private landowners have participated in habitat enhancement projects for the Gunnison Sage-grouse to include: a) NRCS Sage-grouse Initiative Project; b) Lone Tree Creek Riparian Evaluation Agreement; c) BLM Dixie Harrow Project.	Saguache County, CO			Enhancement and restoration of Gunnison Sage-grouse habitat.
Initiative	Saguache County, CO	Gunnison Sage-grouse Research Projects	In a collaborative effort of state and federal agencies, several research projects specific to the Gunnison Sage-grouse have taken place to include: a) Weather Station (Drought monitoring) March, 2012 - November 2012; March, 2013 - present; b) Vehicle Monitoring System (Recreation Impact) April 2012-July 2013; c) Lek Monitoring to include: 1) Acoustic Monitoring, March to May 2012, Feb. 27, 2013-May 2013; 2) Remote Camera, April through May 2012, April 2013; 3) Visual Lek Counts, March - April 2013; 4) Helicopter Flight - CPW, April 26, 2013; 5) Genetic Analysis.	Saguache County, CO		Accomplished	Information gathering for better understanding of the Gunnison Sage-grouse and its habitat.
Initiative	Saguache County, CO	MOU with BLM for Xcel Saguache/Poncha Pass Power Line	The Xcel Saguache/Poncha Pass Power Line Rebuild Project is located near Gunnison Sage-grouse Habitat. Through the MOU Saguache County, as a cooperating agency can participate and help ensure protection of Gunnison Sage-grouse and its habitat.	Saguache County, CO		Implemented	To help ensure the protection and conservation of Gunnison Sage-grouse and its habitat.
Initiative	San Juan County, UT	Bi State/Tri County Sage Grouse Working Group	Local working groups help to coordinate efforts within and among populations and are composed of Colorado and Utah landowners, sportsmen, interested citizens, representatives from non-governmental organizations, land management agencies and local governments.	San Juan County, UT			Concerted ongoing efforts in pursuit of preservation of the Gunnison Sage-grouse and its habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Conservation Plan	San Juan County, UT	Gunnison Sage Grouse Centrocercus minimus Conservation Plan San Juan County, Utah, May 2000	This Conservation Plan was developed to ensure local ownership in future management and land-use decisions; respect for private property rights; and to embrace community economic, cultural, and social values. This document also identifies the conservation strategies that have been and will continue to be implemented by private and public partners in San Juan County to restore Gunnison Sage-grouse habitats and populations.	San Juan County, UT		Implemented	Pursuing established goals and initiatives ensure oversight of preservation of the Gunnison Sage-grouse and its habitat.
Initiative	San Juan County, UT	USDA Farm Service Agency Conservation Reserve Program	The Farm Service Agency administers the Conservation Reserve Program in San Juan County, Utah. The Program has resulted in approximately 30,500 acres of cropland in the Gunnison Sage-grouse Critical habitat area being taken out of production and seeded to grasses and forbs. The Program has reduced habitat fragmentation over the whole habitat area of the Gunnison Sage-grouse in county.	San Juan County, UT		Implemented and on-going.	To date 30,500 acres of Gunnison Sage-grouse habitat have been preserved.
Initiative	San Juan County, UT	Preservation of Gunnison Sage-grouse Habitat	The Nature Conservancy acquired 1,080 acres within the core of occupied habitat for the Gunnison Sage-grouse in October 2012. The Conservancy is working collaboratively with the Utah Division of Wildlife Resources to manage the land for the benefit of Gunnison Sage-grouse.	San Juan County, UT			1,080 acres within the core occupied habitat for Gunnison Sage-grouse has been preserved.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	San Juan County, UT	Habitat Enhancement Projects for the Gunnison Sage-grouse	Habitat Enhancement Projects in San Juan County, UT include the seeding of 1360 acres to vegetation beneficial to the Gunnison Sage-grouse; Over 1000 acres of private land mechanically manipulated to improve forage and shrub growth important to the Gunnison Sage-grouse; Approximately 200 acres planted to sagebrush to provide food and cover for the Gunnison Sage-grouse; Construction of 60 micro water catchments for the species use; Installation of a solar powered pump on a water well to provide wet meadow habitat for the Gunnison Sage-grouse; Implementation of Gunnison Sage-grouse friendly grazing practices on 2564 acres within its habitat. The projects include: Seep Creek CRP Seed Project, Seep Creek Gunnison Sage-grouse Seeding, Bare-root Sagebrush Seedlings, San Juan County, FY09, Boulder Creek Disc Harrow, Gunnison Sage-grouse Sagebrush Treatments, Phase 1, Seep Creek Sagebrush and Wet Meadow Enhancement, Gunnison Sage-grouse Habitat Improvement on Private Lands, Gunnison Sage-grouse Sagebrush Enhancement Projects, 2004, 2005, 2006.	San Juan County, UT		Implemented and on-going.	At a minimum 5,124 acres of significant habitat for Gunnison Sage-grouse has been enhanced.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	San Juan County, UT	Research Projects for the benefit of the Gunnison Sage-grouse	Research Projects conducted in San Juan County, UT include completion of three research projects by Utah State University graduate students to determine the effects of livestock grazing, water developments and winged predation within Gunnison Sage-grouse habitat areas. Summer Ecology of Gunnison Sage-grouse (<i>Centrocercus minimus</i>) in San Juan County, Utah by Sarah Lupis, 2005, Gunnison Sage-grouse Winter and Summer Ecology in San Juan County, Utah by Sharon Ward, 2007, Factors Affecting Gunnison Sage-grouse (<i>Centrocercus minimus</i>) Conservation in San Juan County, Utah by Phoebe Prather, 2010.				Information gathering for better understanding of the Gunnison Sage-grouse and its habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Local Working Group	San Miguel County, CO	Local Working Groups (See jurisdiction)	All rangewide, state and local conservation plans were developed in collaborative effort. The goal for conservation planning for Greater and Gunnison Sage-grouse in Colorado is to protect and improve sufficient habitat and implement other measures across their range to ensure that the species has minimal (<1%) modeled risk of extinction over a 50-year time frame. Population strategies include: (1) Habitat Protection; (2) Habitat Improvement; and (3) Population Management.	<p>GUNNISON SAGE GROUSE:</p> <ul style="list-style-type: none"> • Gunnison Sage-grouse Rangewide Steering Committee. • San Miguel Basin Local Working Group. • Gunnison Basin Sage-grouse Strategic Committee. • Crawford Area Local Working Group. • Dove Creek Local Working Group. • Piñon Mesa Gunnison Sage-grouse Partnership. • Poncha Pass Gunnison Sage-grouse Working Group. <ul style="list-style-type: none"> o Bi State/Tri County Sage Grouse Working Group <p>GREATER SAGE-GROUSE:</p> <ul style="list-style-type: none"> • Colorado Greater Sage-grouse Steering Committee • Northwest Colorado Greater Sage-grouse Working Group. • North Park Sage-grouse Working Group. • Northern Eagle/Southern Routt Work Group. • Middle Park Sage-grouse Working Group. • Parachute-Piceance-Roan (PPR) Greater Sage-Grouse Work Group. 	http://cpw.state.co.us/learn/Pages/SagegrouseLocal-GroupPlans.aspx	Analysis underway	San Miguel Basin Gunnison Sage-grouse Working Group: San Miguel County funded \$9,500 of the Coordinator's salary/expenses. Coordinator facilitated meetings and field trips, provided education to school children and the general public, helped plan habitat improvement and protection projects, etc.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	San Miguel County, CO	Habitat Improvement & Education	San Miguel County in coordination with the San Miguel Basin Gunnison Sage-grouse Working Group and the nonprofit Uncompahgre Com started a project to improve wet meadow habitat for GUSG. We hired a consultant, staked out areas for erosion control work, and conducted other planning for a workshop and project to be conducted in 2015.	San Miguel County, Colorado.		Planning underway	San Miguel County spent \$2,258.10, Uncompahgre Com spent \$2,500, and the BLM spent \$46.98. The San Miguel Basin Gunnison Sage-grouse Working Group provided their Coordinator's time to plan the project.
Initiative	San Miguel County, CO	Habitat Protection	Beginning in 2003, Colorado Parks and Wildlife started a habitat protection initiative for both Greater and Gunnison sage-grouse. Since 2003, over 40,000 acres of greater sage-grouse habitat and 31,000 acres of Gunnison sage-grouse habitat has been protected either through fee title purchase or conservation easement at a cost of approximately \$65 million dollars.	All Greater and Gunnison Sage-grouse populations in Colorado.		Analysis underway	Approximately \$430,000 was approved from CPW to fund a conservation easement on the 918-acre SPT Ranch in occupied GUSG habitat. San Miguel County has pledged \$50,000 towards transaction costs. Negotiations and work on the property may begin in early 2015.
Initiative	San Miguel County, CO	San Miguel Basin Local Working Group	Local working groups help to coordinate efforts within and among populations and are composed of landowners, sportsmen, interested citizens, representatives from non-governmental organizations, land management agencies and local governments.	San Miguel County, CO		Ongoing	Concerted ongoing efforts in pursuit of preservation of the Gunnison Sage-grouse and its habitat.
Conservation Plan	San Miguel County, CO	San Miguel Basin Gunnison Sage-grouse Conservation Plan	Land use code states that it is the policy of the county to identify and protect wildlife habitats for the preservation of wildlife, to encourage land use patterns that avoid disruptions to such habitat, and to prohibit dogs in and adjacent to wildlife habitat areas.	San Miguel County, CO	www.sanmiguelgrouse.org		Pursuing established goals and initiatives ensure oversight of preservation of the Gunnison Sage-grouse and its habitat.
Initiative	San Miguel County, CO	Land Heritage Program	Provides willing private landowners with financial incentives to maintain ownership of their land and help protect open space, wildlife habitat and agricultural land within our County. Participating landowners will place a conservation easement on their land, held by a qualified tax-exempt, charitable land trust.	San Miguel County, CO	www.sanmiguelgrouse.org		Protection of Gunnison Sage-grouse habitat.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	San Miguel County, CO	Board of County Commissioners of San Miguel County Resolutions Vacating and Relocating Portions of Road(s)	Resolutions of the Board of County Commissioners of San Miguel County, Colorado Nos: 2001-66 and 2009-20 vacated and relocated portions of road(s) to protect Gunnison Sage-grouse habitat.	San Miguel County, CO			Protection of Gunnison Sage-grouse habitat.
Initiative	San Miguel County, CO	Memorandum of Understanding Protection of Sage Grouse Habitat and Big Game Migration Corridor	This Memorandum of Understanding between the Board of County Commissioners of San Miguel County, CO and a private landowner protects and preserves 400 acres of Gunnison Sage-grouse habitat. Since the MOU was signed, a Conservation easement has been put on the property and it has a management plan to protect Gunnison sage grouse and Gunnison sage grouse habitat. Also, a certificate of inclusion for a Candidate Conservation Agreement with Assurances was signed in June of 2013.	San Miguel County, CO			Protection of 400 acres of Gunnison Sage-grouse habitat.
Agreement	Sweetwater County Road and Bridge and Sweetwater County Weed and Pest	Weed Control in County Road Right of Way (R.O.W.)	Sweetwater County Road Bridge Department and Sweetwater County Weed and Pest Board work together to control noxious weeds in the county road R.O.W.	Sweetwater County, Wyoming		Ongoing	Provide funding, expertise and equipment to control weeds within Sweetwater County R.O.W.s.
Initiative	Sweetwater County and the Southwest Wyoming Sage Grouse Working Group	Southwest Wyoming Local Sage Grouse Working Group	Sweetwater County participates in the Southwest Wyoming Sage Grouse Working Group and related planning efforts and conservation measures to protect the sage grouse and its habitat.	Sweetwater County and Southwest, Wyoming		Ongoing	Provide a staff member to participate and assist in the Southwest Wyoming Sage Grouse Working Group and its planning and conservation measures.
Initiative	Sweetwater County	Sweetwater County Board of County Commissioners	Provides comments and responses to public land Environmental Assessments (EAs) and EIS(s) the support the Wyoming Governor's Sage Grouse Executive Orders.	Sweetwater County		Ongoing	Encourage public land actions to comply with Wyoming Governor's Sage Grouse Executive Order.

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Initiative	Sweetwater County, Sweetwater County Conservation District and Coalition of Local Governments	Coalition of Local Governments	Supports efforts to ensure proper rangeland reclamation and provides comments on public land National Environmental Policy Act (NEPA) documents to ensure proper sage grouse habitat management.	Sweetwater County and Southwest, Wyoming		Ongoing	Encourage proper rangeland reclamation and conservation of sage grouse habitat.
Resolution	Sweetwater County Weed and Pest Board	Sweetwater County Weed and Pest Board	List raven on Sweetwater County List of Declared Weed and Pest Species.	Sweetwater County		Ongoing	Declaration of Raven as a Sweetwater County Pest Species may provide funding for raven control measures.
Initiative	Sweetwater County	Sweetwater County Board of County Commissioners	Sweetwater County officially supports the Wyoming Governor's Sage Grouse Executive Order.	Sweetwater County		Ongoing	Sweetwater County support of Wyoming Governor's Executive Order will assist in protecting sage grouse and their habitat and help prevent the Sage Grouse from becoming a listed species.
Initiative	Sweetwater County and Wyoming Landscape and Conservation Initiative	Wyoming Landscape and Conservation Initiative	Sweetwater County actively participates in the Wyoming Landscape and Conservation Initiative (WLCI). The Chairman of the Sweetwater County Board of County Commissioners is the current Chair of the WLCI Board.	Wyoming		Ongoing	WLCI provides funding for landscape scale conservation projects and research. Many of these projects benefit rangeland and sage grouse habitat.
Initiative	Sweetwater County Weed and Pest, Bureau of Land Management and Southwest Wyoming Sage Grouse Work Group	Sweetwater County Weed and Pest, Bureau of Land Management and Southwest Wyoming Sage Grouse Work Group	Sweetwater County Weed and Pest cooperated with the BLM, and the Southwest Wyoming Sage Grouse Working Group to treat 2,500 acres of cheatgrass located in the Sage Creek area of Sweetwater County.	Sweetwater County		Ongoing	Sweetwater County Weed and Pest Board assists conservation partners in controlling cheatgrass and other noxious weeds in Sweetwater County. 7,500 acres of cheatgrass were treated in the last three years.
Regulation	Stillwater County, MT	Consultation with MFWP	The county does not have any sage-grouse specific policies, but their subdivision regulations require consultation with Montana Fish, Wildlife and Parks for impacts to species of concern.	Stillwater County, MT			
Policy and Conservation Plan	Washington County, ID	Washington County Comprehensive Plan	In numerous areas of the county's recently approved comprehensive plan, Washington County included protections for the Greater sage-grouse. The intention is to protect the sage-grouse -- particularly lek habitat -- from disturbance from various types of land use, primarily exurban residential development.	Washington County, ID	www.co.washington.id.us/Planning and Zoning/Publications/Comprehensive Plan 2010		

Regional Groups

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Local Working Groups	Utah State University Cooperative Extension	Local Working Groups (See Jurisdiction)	<p>The Utah Community-based Conservation Program (CBCP) encompasses the historical range of greater sage-grouse (<i>Centrocercus urophasianus</i>, hereafter sage-grouse) in Utah as identified in the 2002 Strategic Management Plan for Sage-grouse.</p> <p>The strategies presented in each LWG plan meet the guidelines set forth by the U.S. Fish and Wildlife Service (USFWS) in their Policy for Evaluation of Conservation Efforts (PECE) standards. The conservation strategies and actions address the five USFWS listing factors as they apply to sage-grouse in each LWG area. Plan recommendations and guidance are voluntarily being implemented by all LWGs. The LWGs meet regularly to review actions and encourage adoption of Plan conservation strategies and actions. In 2010-2011, additional emphasis was placed on updating the Plans to incorporate strategies to address the conservation threats identified in the USFWS (2010) decision to designate sage-grouse as a candidate species for protection under the Endangered Species Act of 1973). All 10 Utah LWGs have completed sage-grouse conservation plans. These plans and summaries of LWG activities can be found online at utahcbcp.org.</p>	<p>10 groups in historical sage-grouse habitat, most crossing county lines:</p> <ul style="list-style-type: none"> • West Box Elder CRM • Carbon - Emery (CaCoARM) Castle Country • Color Country (CCARM) • Morgan - Summit (MSARM) • Parker Mountain (PARM) • Rich County CRM • Southwest Desert (SWARM) • Strawberry Valley (SVARM) • West Box Elder CRM • Carbon - Emery (CaCoARM) Castle Country • Color Country (CCARM) • Morgan - Summit (MSARM) • Parker Mountain (PARM) • Rich County CRM • Southwest Desert (SWARM) • Strawberry Valley (SVARM) • Uintah Basin (UBARM) • West Desert (WDARM) 	www.utahcbcp.org	Ongoing. Plans updated as new information becomes available	

Type of Measure	Responding Entity	Name	Synopsis	Jurisdiction for Action	Citation	Stage in Implementation	Achieved and/or Expected Outcomes
Guide	Utah State University Cooperative Extension	"Working with Sage-Grouse A Practical Guide for NRCS Staff"	A guide produced by USU with a grant from NRCS to help NRCS staff better assist LWGs.	All sage-grouse habitat	http://extension.usu.edu/files/publications/publication/pub_6725429.pdf	Completed	Guide is available online to be used by NRCS as needed.
Guide	Utah State University Cooperative Extension	Sage-Grouse Habitat in Utah. A Guide for Landowners and Managers.	A guide produced by USU with help from Utah Division of Wildlife Resources, Utah Bureau of Land Management, USFWS Partners Program, Utah Natural Resource conservation Service, Foundation for Quality Resource Management, Utah's CWMU Association, S.J. and Jessie Quinney Foundation Service and Jack H. Berryman Institute. This guide will be used to help landowners and managers manage habitat for sage-grouse.	Utah's sage-grouse habitat	http://utahcbcp.org/files/uploads/Landowner-GuideSageGrouse.pdf	Completed	Guide is available online. Printed copies were also distributed throughout Utah.
Local Working Group	Utah State University Cooperative Extension	Utah's Sage-grouse Local Working Group Summit	Two-day meeting to facilitate an exchange of ideas and information between local working group members, private, state, and federal partners to enhance community and sage-grouse conservation.	Utah		Planning	Enhance sage-grouse conservation by sharing information and increasing collaboration among all interested parties.
Local Working Group	Utah State University Cooperative Extension	National Sage-grouse Local Working Group Forum	Two-day meeting to facilitate an exchange of ideas and information between local working group members, private, state, and federal partners to enhance community and sage-grouse conservation.	Rangewide		Preliminary Planning	Enhance sage-grouse conservation by sharing information and increasing collaboration among all interested parties.
Local Working Group	Utah State University Cooperative Extension	Utah's Local working group members	Participated in Utah Watershed Initiative regional teams to plan, evaluate, and implement projects to benefits sage-grouse.	Utah		Ongoing	Provided information to help evaluate conservation actions to improve sage-grouse habitat.
Policy and Conservation Plan	Utah State University Cooperative Extension	Terry Messmer	Member of Utah Plan Implementation Council.	Utah		Ongoing	Provide research data to help guide implementation of new Utah Plan.
Policy and Conservation Plan	Utah State University Cooperative Extension	Utah's Local working group members	Participated in the development of the Utah Governor's Greater Sage-grouse Plan.	Utah		Completed	Provided critical information that will benefit sage-grouse under the new Utah Plan.