



WRP Steering Committee with Committee Co-Chair Meeting

SEPTEMBER 14-15, 2017



Sept 14-15 Agenda

- (10 min) Brief Overview of WRP, History, Mission
 - *Information*
- (60 min) 2017 WRP Regional Assessment
 - *Seeking input on next steps*
- (120 min) Agencies' Updates on Issues of Importance
- (30 min) WRP SC Subcommittee on GIS Recommendations on WRP-GIS Related Focus Area
 - *Seeking approval on recommendations*
- (30 min) Review of WRP Website
 - *Seeking input*
- (30 min) Recommendations by WRP Chair and Vice-Chair
 - *Seeking approval on recommendations*
- (30 min) Discussion regarding Ninth Principals' Meeting
 - *Seeking input*

Setting the Stage

Brief Overview of WRP, History, Mission, etc.



WRP Timeline

Pre-WRP

2007

2009

2010

2011

2012

2014

2015

Pre-WRP Principals' Meetings

- Internal DoD Meetings
- Udall Institute Survey & MCIWest Study

Nov 2007 (AZ)

- 1st Principals' Meeting
- WRP concept was outlined and explored further through 6 committees

March 31 - April 1 2009 (NV)

- Recommended Committees continue their efforts
- Established Interim Steering Committee

Aug 2010 (NM)

- Adopted WRP Charter
- Adopted WRP Vision and Mission
- Established Steering Committee & Tribal Relations Committee

Sept 2011 (UT)

Restructured 7 Committees & 3 Subcommittees to 4 Committees to better align Committee Structure to WRP Mission

Sept 2012 (CA)

- Well attended (117); Senior-level participants
- Many deliverables

June 2014 (AZ)

- Revised WRP Vision Statement, Mission/Vision document, Charter & Committee restructure to 3 committees
- 8 reports with recommendations & collaborated on 2 landscape-level projects

Aug 2015 (NV)

- Added CO to WRP Region; revised mission statement, charter, WRP logo, etc.
- Affirmed WRP Structure, Vision Statement, Goals, Tagline

WRP Vision and Mission

WRP Vision

WRP will be a significant resource to proactively identify and address common goals and emerging issues and to develop solutions that support WRP Partners.

WRP Mission

WRP provides a proactive and collaborative framework for **senior-policy level Federal, State and Tribal leadership** to identify common goals and emerging issues in the states of **Arizona, California, Colorado, Nevada, New Mexico and Utah** and to develop solutions that support WRP Partners and protect natural resources, while promoting sustainability, homeland security and military readiness.

WRP Goals

(Per the Charter)

- **Serve as a catalyst** for improved regional coordination among State, Federal and Tribal agencies
- **Address common goals**, identify and solve potential conflicts and develop solutions that protect our natural resources, while promoting sustainability and mission effectiveness
- Provide a **forum for information exchange**, issue identification, problem solving and recommendations across the WRP region
- At annual Principals' meeting, **adopt strategic priorities** to complete in the subsequent year
- **Leverage existing resources** and linking of efforts to better support key projects
- Provide a GIS Sustainability Decision Support Tool that integrates appropriate Federal, Tribal, State, and other available data sources for use in regional planning by WRP Partners

WRP Region's Uniqueness

- **Importance to the Military**

- Extensive Training Ranges, Premier Testing Facilities, Unmatched Military Air Space

- **Army:** ~55% of the Army's landholdings
 - **Navy:** Over 33% of Navy's landholdings
 - **Marine Corps:** 67% of Marine Corps' airspace
85% of Marine Corps' Live Fire Ranges
 - **Air Force:** Includes four of the largest USAF range complexes - Edwards, Nellis/Creech/NTTR; Luke/Goldwater; and UTTR
 - 75% of DoD Special Use Airspace is located within the WRP Region

- **Significant amounts of Federally managed land**

- In WRP states, Federal land ranges from 34.1% - 84.9% of total state

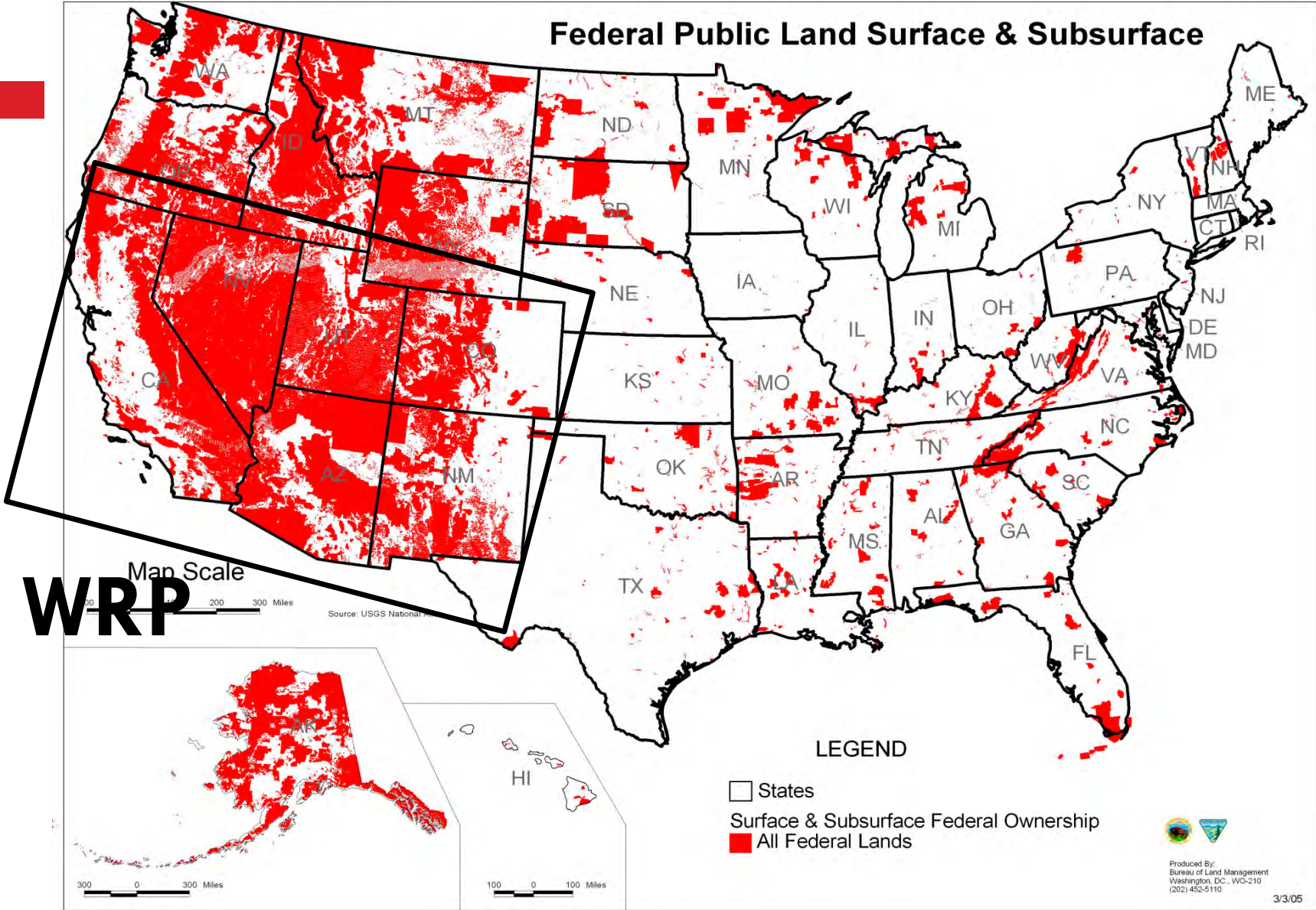
- **Significant State Trust Landholdings**

- **Approximately 172 Federally recognized Tribes**

State	% of Federal Public Land (not including DoD managed lands)	% of DoD Managed Land	% of Indian Trust Land	Private Land	State Trust Land	Size of State in square miles and ranking by area
Arizona	35.5%	6.6%	27.6%	17.5%	12.7%	114,000; 6 th largest state
California	40.2%	4.0%	.5%	50.3%	2.5%	160,000; 3 rd largest state
Colorado	38.9%	0.7%	1.1%	54.9%	4.4%	104,100; 8 th largest state
Nevada	78.8%	6.1%	1.42%	13.03%	.15%	110,561; 7 th largest state
New Mexico	29.7%	4.4%	10.2%	43.9%	11.6%	121, 593; 5 th largest state
Utah	63.6%	3.4%	4.5%	21%	7.5%	84,904; 13 th largest state

These six states are home to 18% of the U.S. population and constitute 19% of the total land mass.

88% of Federal Public Land is in the 12 most western states



WRP Structure

WRP Co-Chairs:



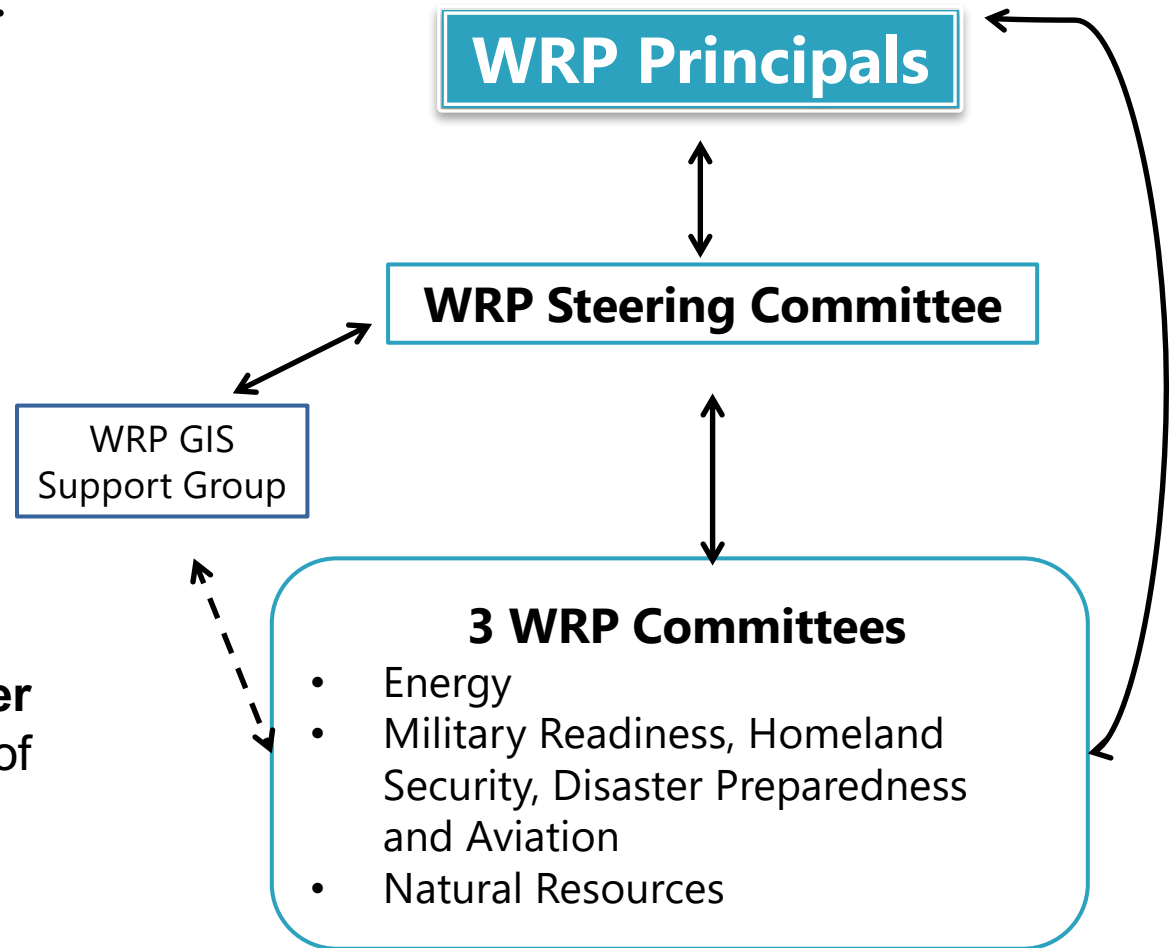
Honorable Gary Herbert
Governor of Utah

Awaiting US Senate confirmation

TBD, Assistant Secretary for Land and Minerals Management, DOI



Mr. Lucian Niemeyer
Assistant Secretary of Defense for Energy, Installations and Environment



WRP Steering Committee



- Representatives of each of the six WRP States:
 - Arizona, California, Colorado, Nevada, New Mexico and Utah
- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- Customs and Border Protection, U.S. Border Patrol
- Federal Aviation Administration
- Federal Emergency Management Agency
- Federal Highway Administration
- National Park Service
- Natural Resources Conservation Service
- National Oceanic and Atmospheric Administration
- Office of Secretary of Defense
- U.S. Air Force Headquarters
- U.S. Army
- U.S. Army Corps of Engineers
- U.S. Department of Energy
- U.S. Environmental Protection Agency
- U.S. Fish and Wildlife Service
- U.S. Forest Service
- U. S. Geological Survey
- U.S. Marine Corps Installations West
- U.S. Navy
- Native American Leadership:
 - Navajo Nation, Inter-Tribal Council of CA, Inc.
- Western Governors Association Liaison

Highlights of Past WRP Efforts

- Collaborated on broad-based regional planning in Southeastern Arizona/New Mexico and WRP Mojave Ecoregion
 - Fort Huachuca won REPI Challenge & Area designated a Sentinel Landscape
- Reports and Fact Sheets:
 - 2016 WRP Regional Strengths, Areas of Commonality and Emerging Issues
 - 2015 WRP Airspace Sustainability Overview and accompanying MET Tower Fact
 - 2015 WRP State Support for Military Testing and Training
 - 2015 WRP Guide to Working with DoD
 - WRP Intro to Federal Partners
 - 2015 WRP Renewable Energy Development on Tribal Lands
 - 2015 WRP Energy Guide
 - Brief Overview of Water-Related Resources Available to WRP Partners
 - WRP Partner Input on Species of Concern
 - 2014-2015 WRP Energy Committee Webinar Series (Highlighting Key Entities Efforts and Identify Opportunities for Multi-Agency Coordination)
 - Renewable Energy and Transmission Siting Coordination and Potential Impacts to the Military Mission
- Military Asset Listing Summaries; WRP Outreach; leveraging of efforts

WRP Eighth Principals' Meeting

(2016 in UT)

- 145 senior policy-level leaders in attendance
- WRP Co-Chair remarks provided by:
 - Utah Governor Herbert
 - DOI Assistant Secretary Janice Schneider
 - Frank DiGiovanni, Acting DoD Principal
- Four Plenary Sessions:
 - Immediate Threats to the West: Drought and Wildfires
 - Energy Trends in the WRP Region
 - Endangered Species Act: Challenges, Trends and Efforts
 - Integrating UAS in Airspace: Challenges, Trends and Efforts
- Keynote remarks by Utah Congressman Chris Stewart
- Around the Room Discussion on Land Management Issues
- Delivered WRP Regional Strengths, Areas of Commonality and Emerging Issues 2016 Report



2016-2017 Year in Review

- Much Change
 - New President and Administration
 - New WRP Principal Co-Chairs (DoI & DoD)
- Turnover
 - Only a few remain who were at the first WRP Principals' Meeting
 - Over half of the SC, Committee Co-Chairs & GIS liaisons became first involved in WRP after 2015
- WRP continues to have strong leadership – THANK YOU!
- WRP WMA, LUPT and RPD are no longer in existence; new WRP website in development
- WRP Coordinator Contract “issues”
- Moved Principals' Meeting from August to November 2017

Value of WRP

- **Strong Leadership**
- **Opportunity to engage with states, federal and Tribal entities across WRP region**
 - Regional Coordination Opportunities: Transmission, military operations, wildlife and Tribal issues do not follow state boundaries
 - Relationships: Knowing who to call and having them recognize who you are before the crisis
- **Enhancing situational awareness of policy and emerging issues**
 - Solving Problems/Creating solutions
 - IIP (Information Is Power): Knowing what is being planned by whom allows early strategizing of an appropriate response
- **Access to tools and WRP Deliverables**
 - Airspace Sustainability Guide, WRP State Support for Military Testing and Training, WRP Mojave Project, WRP Southeastern Arizona New Mexico Project, etc.
- **Identifying Opportunities**
 - Understanding where interests overlap can lead to project solutions
 - Leveraging Resources
- **GIS Working Agreements to improve coordination and collaboration**
 - WRP has five GIS working Agreements (with the Geoscience Information Network (GIN) and the wildlife agencies of the States of California, New Mexico, Nevada and Utah)

WRP 2017 Regional Assessment



- Quick recap on initial survey and three follow up (further examination) questionnaire and Committee efforts
- Discussion on next steps and input requested

2017 Regional Assessment



Survey WRP Partners:



- Top 3 WRP-relevant issues within the region
 - e.g. land use issues, airspace, water, etc.



- Top 3 needs
 - e.g. better awareness of upcoming agency changes or efforts, etc.



- Significant state/regional planning efforts
 - Expected to occur 2017-2020 and potential collaboration opportunities



- Authoritative data layers/web mapping services
 - To assist with Partners' efforts and for use in regional planning

2017 Regional Assessment

(continued)



Further Examine:

- More fully explore survey results on Partners' top issues, needs and available resources (e.g. grants, agency actions, planning efforts) to address the issues as well as identify recommendations
- Compile state/regional planning efforts in a user-friendly format and identify ways WRP Partners can participate
- Compile data recommendations



2017 Regional Assessment

(continued)



Report:

- Quantitative survey results of “top” Partner issues and needs in WRP Region
- Relevant Committee exploration of survey results on top issues and needs
- Identification of state and regional plans to commence in 2017-2020
- Helpful resources that encourage collaboration among states, federal agencies and tribes in WRP Region
- Identification of authoritative GIS data layers or web mapping services supporting WRP planning efforts and initiatives
- Further recommendations for WRP Principals’ consideration at the Ninth WRP Principals’ Meeting of identified gaps and possible focus areas that would lead to possible solutions

Regional Assessment Efforts to Date

- Aug 2016: **Principals approved** Regional Assessment priority
- Nov/Dec 2016: **Interviews** to seek input on survey questions with WRP SC, Committee Co-Chairs
- Dec 2016: WRP SC and Committee Co-Chairs **finalize survey questions**
- Jan 26, 2017: **Survey sent** to WRP SC & Committee Co-Chairs for action
- March 9: **Survey responses from 33 WRP SC and Committee Co-Chairs:**
 - States (Governors' Offices and agencies): AZ, CA, CO, NM, NV, UT
 - Federal Agencies: Army, BIA, BLM, BuREC, DOE, EPA, FAA, FEMA, FHWA, NPS, NRCS, NOAA, USAF, USFWS, USFS, USGS, USMC
 - NASAO, The Hopi Tribe
- March 2017: **WRP SC received survey results and discussed next steps**
- July 2017: WRP Committee Co-Chairs present **status reports** to WRP SC on their examination of survey results and request three follow-up surveys on energy and infrastructure, airspace and species of concern
- Aug through Sept 2017: **Results from follow-up surveys tabulated.**
- Nov 2016 through Aug 2017: 9 **WRP webinars** held; consistent with WRP Regional Assessment efforts

SURVEY RESULTS:

Top three issues, as ranked,
for which WRP may assist to facilitate a solution

Issue	Details	Aggregate Score	Members ranking this item as #1
General partnering/ relationship building	<ul style="list-style-type: none"> • Disaster Planning/Fire Response; • Tribal Engagement; • Cybersecurity; • Data Sharing; • Federal-State Relations 	4.45	18
Land Use (Regional, Large Landscape Focus)	<ul style="list-style-type: none"> • Land use planning; • Streamlining land exchange process (fed/state land exchanges); • ESA; Ecological goals/environmental planning (mitigation efforts, supporting species and critical habitat, resource management, connectivity for habitat, etc.); • Large scale energy projects (transmission corridors, renewable energy, pipelines, etc.) & energy development; • Land use issues/encroachment concerns (e.g. future range issues, potential land expansions, new weapons footprint, minimizing conflicts); • Infrastructure 	3.87	6
Airspace	<ul style="list-style-type: none"> • Future military airspace requirements; • Better coordination among users; • Unmanned aircraft/RPA/drone; • Connecting land use planning with impacts to airspace; • Awareness of changes in airspace designations and policy) 	2.93	4

SURVEY RESULTS:

Top needs, as ranked. (Related to top issues; efforts that could be assisted by WRP Partners)

Issue	Details	Aggregate Score	Members ranking this item as #1
Better coordination and communication	<ul style="list-style-type: none"> ● WRP to provide forum, help to expedite efforts, etc. ● Sharing best practices; ● Sometimes issues from DC do not get communicated well or in a timely fashion; ● Better understanding of agencies' missions and structure. 	4.67	9
Assistance with "e-harmony"	<ul style="list-style-type: none"> ● Need to find agencies with similar issues to work on efforts together; ● Looking for those overlaps/leveraging efforts; ● Better understanding of collective agencies' needs (what do WRP agencies need/areas of alignment) 	4.47	10
Better situational awareness of upcoming agency changes or efforts	<ul style="list-style-type: none"> ● Serving as a clearinghouse on planning and policy issues; ● Providing more information on grants/how to partner/technical assistance. 	3.86	3
Better information from DoD on issues of concern to them in a prioritized fashion	<ul style="list-style-type: none"> ● Identification of land use areas of most concern/focus areas; ● Facilitate increased DoD engagement in planning efforts 	3.69	7
Data information exchange/facilitating data collaboration		3.54	2

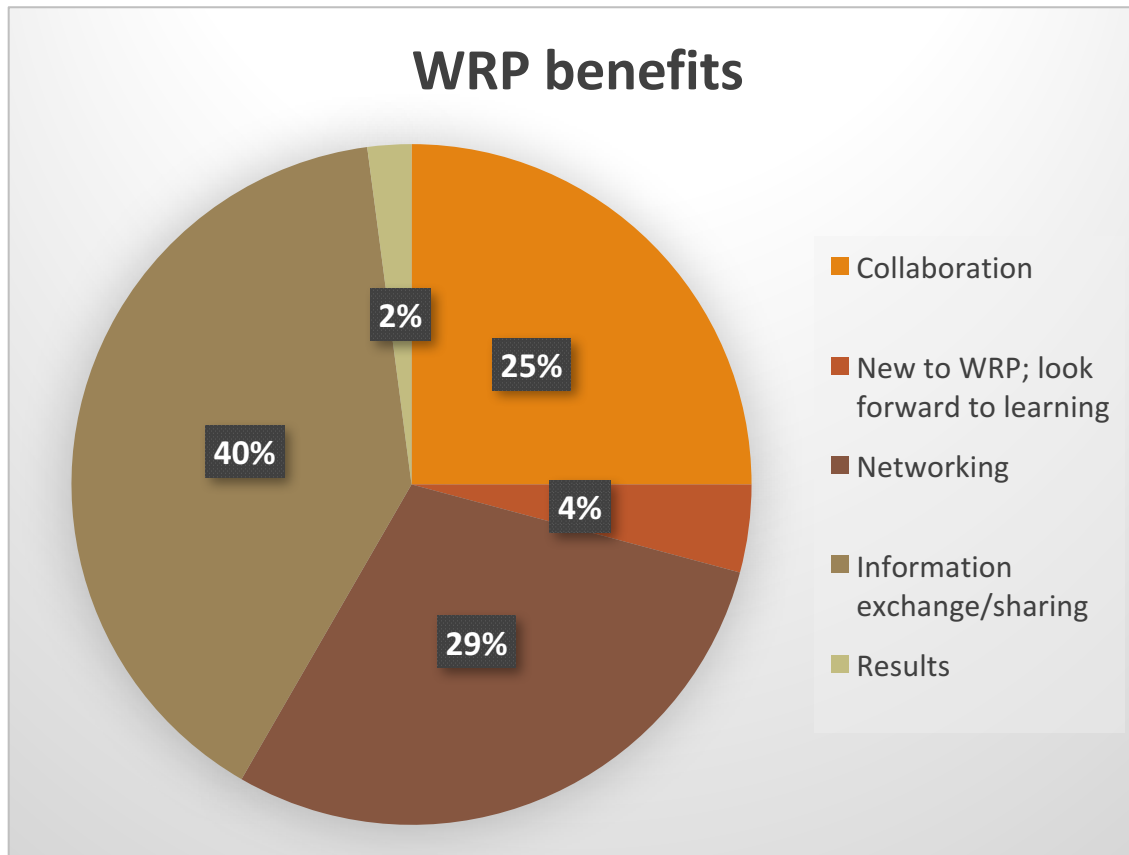
SURVEY RESULTS

Words that describe **WRP**

coordination
collaboration
partnership communication information military
effective sharing Amy Duffy planning awareness regional western results policy strategic
leadership knowledge facilitation southwest transparency solutions experienced professional people
7 generations coaching innovative engagement science cooperation needed opportunity
diverse open-minded education progressive open participation webinar network

SURVEY RESULTS:

Benefits derived from WRP

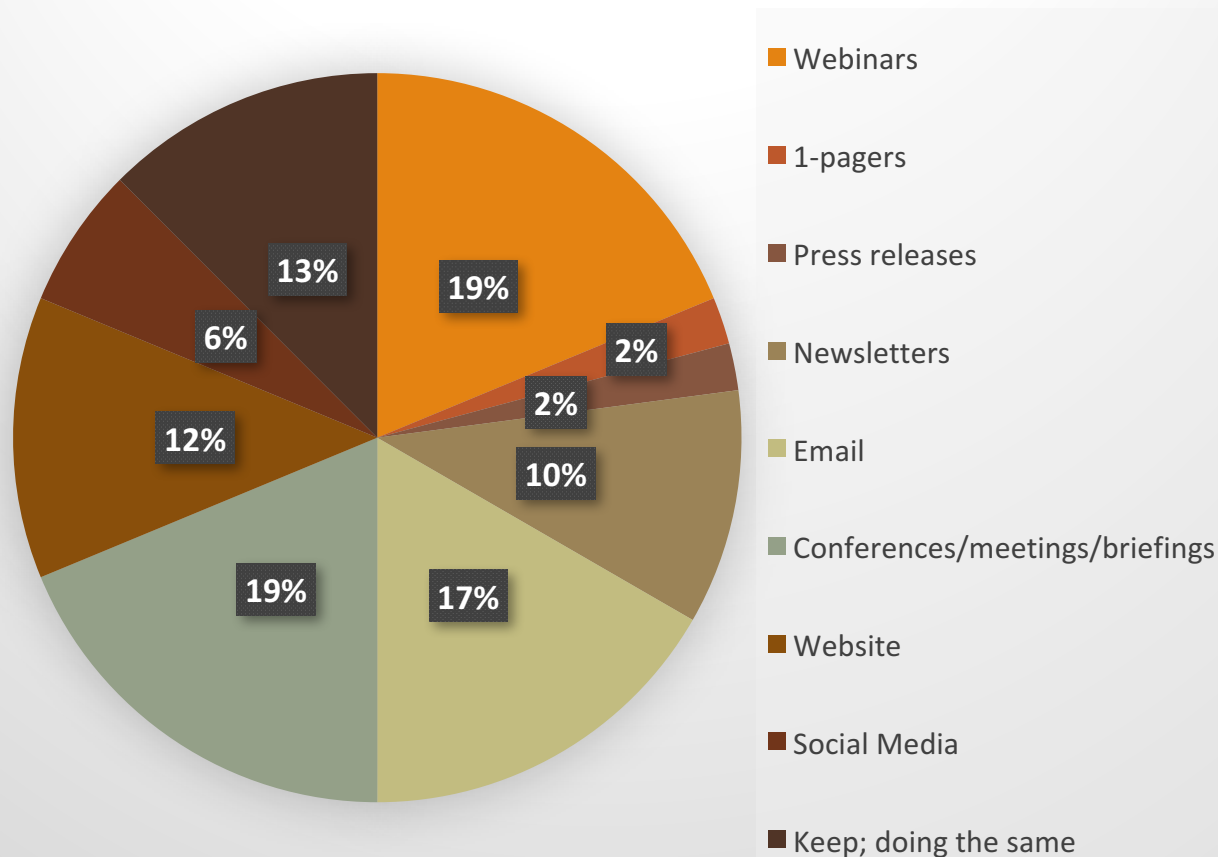


- Top Three Benefits:**
- 40%: Information Exchange/Sharing
 - 29%: Networking
 - 25%: Collaboration

SURVEY RESULTS:

Ways for WRP to best communicate efforts & successes

Communication Methods

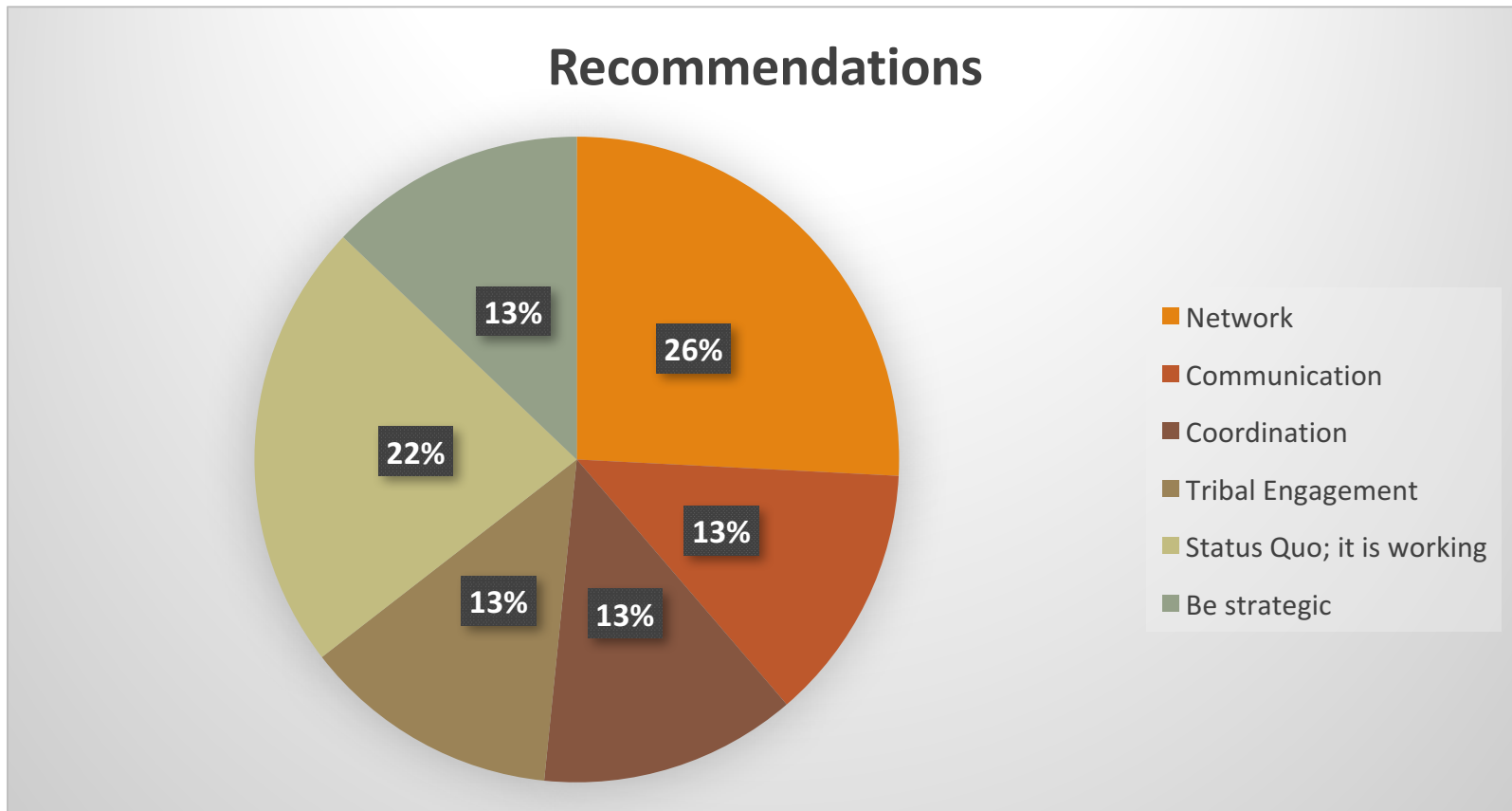


Top Three Communication Recommendations:

- 19%: Webinars*
 - 19% Conferences/ Meetings/Briefings*
 - 17%: Email*
- * “Keep” doing the same was ranked 4th and also includes these items

SURVEY RESULTS

Recommendations for states, federal agencies or Tribes to better work with your agency & for WRP



Seeking your input

- Committees' efforts
- Identification of state and regional plans to commence in 2017-2020
- Helpful resources that encourage collaboration among states, federal agencies and tribes in WRP Region
- Identification of authoritative GIS data layers or web mapping services supporting WRP planning efforts and initiatives
- Further recommendations for WRP Principals' consideration at the Ninth WRP Principals' Meeting of identified gaps and possible focus areas that would lead to possible solutions

The next slides represent input PROVIDED. Special thank you to the WRP SC & Committee members for their input!!

WRP Natural Resources Committee Efforts

- Three webinars to date:
 - Mexican Wolf Recovery Program
 - Wildfire and Forestry (Featuring CAL FIRE, WFLC and WGA)
 - U.S. Forest Service land management planning and opportunities for engagement
- One planned:
 - October 31: Water Focus – WSWC to highlight their effort
- Regional Assessment Efforts, more fully explore species input:
 - Agencies' unofficial review of three species that if listed could result in delays or increases in cost to program and mission
 - Agencies' unofficial review of three species that are already listed that impact mission/increase in regulatory burden
 - Agencies' related planning efforts that will be initiated by 2020
 - Species-GIS related data (natural resources, critical habitat, environmental planning)

Working to identify species of most concern to collective WRP Partners and capture WRP Partners' efforts for conservation and document successes with the ultimate goal to gain credit for existing work to avoid listing/work towards de-listing.

Coordination with USFWS

- Developed a spreadsheet highlighting current USFWS efforts to address Endangered Species Act (ESA) listing and critical habitat decisions within WRP region
 1. 116 species that are part of the seven-year work plan
 2. 34 species that are part of the FY17 workload
 3. 23 unscheduled listing actions for species
 4. 532-listed species believed to or known to occur in WRP Region

This information was sent with the survey request along with summary of 2015 WRP Partner input on species of concern

WRP Natural Resources Committee Survey Results

Species	Status	Location	2017 Input	2015 Input
Little brown bat	Not listed	CO	Tied for first	
Monarch Butterfly	Under Review (90 Day Findings on 2 petitions 12/31/2014)	AZ, CA, CO, NM, NV, UT	Tied for first	Tied for third
Western spadefoot toad	Under Review (90 Day Findings on 31 petitions 7/1/2015)	CA	Tied for second	
Yellow-billed cuckoo	Threatened (11/30/2014)	AZ, CA, CO, NM, NV, UT	Tied for second	Tied for fifth
Least bell's vireo	Endangered	CA	Tied for second	
Mountain yellow legged frog	Endangered	CA	Tied for second	

WRP Natural Resources Committee Recommended Next Steps

1. Finalize Committee criteria on which species/habitats to address (draft criteria below)
2. Send criteria to Natural Resources Committee
3. Further refine criteria
4. Take “top” species and develop data overlays, with habitat and range (species synopsis)
5. Provide briefing at WRP Principals’ Meeting and confirm species of interest and Partner involvement
6. By Tenth WRP Principals’ Meeting, work to identify threats and opportunities and quick successes and work to leverage existing and ongoing efforts (maximize efficiencies)

DRAFT recommended committee Criteria

- Multi-state region (at least 2 states)
- Maximizes mission interest of WRP Partners (supports many members’ missions)
- Coordinates with existing efforts
- Builds resilience for wildlife and enhances Partners’ missions
- Increases habitat/precludes listing


Objective: Enhance collaboration among WRP to assist efforts to preclude or delist species through conservation efforts and to relieve the regulatory burden for WRP Partners

Agencies' related planning efforts to be initiated by 2020

- MCAGCC 29 Palms: Desert Tortoise Relocation efforts in support of Large Scale Exercises
- CPEN: Updated INRMP (2017)
- NOAA: Marine Fisheries reviews status of certain species and issues opinions on whether to list them
- USACE: performs Invasive Species management and Conservation Planning under Endangered Species Act
- CEC: Renewal of Special Use Permits such as Southern California Edison Master Permit Renewal, Double Powerline re-alignment and pole replacement, Fontana Union Water Permit and Recreation permits for trails, outfitter guides, etc.
- FERC: Permit Renewals and studies: Lake Silverwood and Devil's Canyon facilities; Banning Decommission

Agencies' related planning efforts to be initiated by 2020

(continued)

- Implementation of ESA listed species Recovery Actions for Santa Ana sucker, Mountain yellow-legged frog and Quino checkerspot butterfly and Land Management Plan
 - Hazardous Fuels Reduction Projects and Implementation for watershed restorations
 - Grazing Allotment Re-authorizations and Administration
 - Off Highway Vehicle Program: trail relocations, route decommissioning and restoration, trail maintenance and compliance patrols/monitoring
 - Sand to Snow Monument Plan
 - Avoided impacts to and improved White Sands pupfish habitat to ensure persistence without compromising missions
 - Restricted activity at/near populations of Todsens pennyroyal without impacting missions. DNA and ecology/phenology research to better manage and conserve the species
- 

Species-GIS related data (natural resources, critical habitat, environmental planning)

- NPS: does not maintain species-related regional or national geospatial datasets. Datasets can be requested on a park-by-park basis. Some park unit data: <https://irma.nps.gov/Portal/>. GIS data from the NPS Inventory and Monitoring Program including vegetation, soils, and landscape dynamics: <https://science.nature.nps.gov/im/gis/index.cfm>.
- USACE: Engineer Research and Development Center maintains this information. Tracks Threatened and Endangered Species cost information; can be pulled up in varied ways <https://tescost.el.erdc.dren.mil/Reports.aspx/>
- WSMR: Data for Todsens pennyroyal and White Sands pupfish are shared with several partner agencies; ranges of both species limited to Southern New Mexico and data not likely to benefit other WRP Partners. Some location data for the Desert Massasauga and Little Brown Bat could be shared with WRP Partners

WRP Energy Committee Efforts

- Three webinars to date:
 - Section 368 Regional Review Project
 - BLM RE Program with focus on BLM's new rule governing solar and wind energy development on public lands
 - DOE's Office of Indian Energy Policy and Programs land management planning and opportunities for engagement
- Upcoming Webinars:
 - WECC (Sept 22), BOEM (Sept 28), WIEB (Oct 20)
- Regional Assessment Efforts, more fully explore:
 - Agency's involvement with energy development and infrastructure and associated challenges
 - Agency's top energy or infrastructure projects
 - Agency's related planning efforts to be initiated by 2020
 - Changes in policies (administrative or statutory) that agency contemplates
 - Energy-GIS related data

Working to identify large scale energy projects in the WRP region and upcoming policy changes, capture mission impacts and develop recommendations to address issues

Agency involvement with energy development and infrastructure and associated challenges


BLM

- Lead or cooperating agency for permitting renewable energy, high-voltage transmission and energy pipelines
- Designates transportation and energy corridors in land use plans
- Challenges:
 - Multiple agency permits and inconsistent processes/requirements among agencies
 - Private land owners desire projects primarily on public lands
 - Visual impacts from solar, wind and transmission projects
 - Potential impacts to military test and training operations
 - Increasing restrictions on potential siting areas (e.g. protected lands, protected species, conservation easements, etc.)
 - Project developer timelines
 - Losses of experienced agency personnel by retirements and attrition
 - Insufficient incentives for siting (e.g. projects in one state that “serve” another state)

Agency involvement with energy development and infrastructure and associated challenges

(Continued)

DOE Office of Energy Efficiency and Renewable Energy:

- Early-stage research to enhance affordability and reliability of renewable energy technologies
 - Water Power Technologies Office helps modernize hydropower, ocean and river energy and market adoption of pumped storage
 - HydroNEXT technology research, development, demonstration, and deployment of existing water infrastructure, undeveloped streams, and pumped-storage hydropower
 - Wind Energy Technologies Office innovates to reduce cost and increase reliability of utility-scale, offshore, and distributed wind
 - SunShot supports solar energy affordability through research and development in photovoltaics, concentrating solar power, and systems integration with public and private partners
 - Geothermal Technologies Office's Frontier Observatory for Research in Geothermal Energy (FORGE) helps develop, test, and accelerate breakthroughs in geothermal system technologies and techniques
- 


Agency involvement with energy development and infrastructure and associated challenges

(Continued)

EPA

Reviews and comments on energy/infrastructure projects, primarily during scoping phase and public review period for Draft and Final EIS. Serves as Cooperating Agency on some projects

Helps other federal agencies in development of projects that are expeditious, well-planned and protect resources. Practices that facilitate siting and developing energy projects include:

- “Kick-off Workshops” with agencies, local governments, tribes and other stakeholders
 - Stakeholder committees for major projects are created early and regularly meet to address major issues
 - Monthly calls with cooperating agencies on substantive issues
 - Early (e.g., pre-scoping), detailed resource analyses facilitate siting, viability determination and delay avoidance
 - Key natural resource agency visits identify and discuss critical concerns pre-Notice of Intent
- 

Agency involvement with energy development and infrastructure and associated challenges

(Continued)

National Park Service:

- Projects conducted on lands near NPS properties to ensure protection of park resources and values from impacts of the proposed project

WSMR:

- Sun Zia 500kVA transmission line: Working with New Mexico State Land Office, the BLM) and land owners to implement mitigation measures
- Recommend agency becomes involved at EIS phase and look for win/win solutions. Realize both the Department of Defense and the Department of Interior have missions to complete

California Energy Commission (CEC):

- Planning and permitting of energy projects, infrastructure, transmission corridors, and related environmental issues and land use impacts
- Working with BLM and DoD around potential projects, transmission lines and species/habitat concerns in DRECP area; and Section 368 Corridor Review, including energy planning work from DRECP, San Joaquin Valley and RETI processes
- Engaged with BOEM/California Intergovernmental Renewable Energy Task force to identify suitable future areas for offshore wind energy. Coordinating with local communities and governments, DoD, Tribes and stakeholder groups
- Recommends frequent listening, communication and coordination, including interactive data platforms to provide information and tools to all parties

Utah: Many-all situational



Top energy or infrastructure projects agencies are involved with

Solar

CA:

- Desert Quartzite Solar-450 MW near Blythe
- Palen Solar Project-500 MW, Riverside East Solar Energy Zone (SEZ), Riverside County
- Desert Quartzite Solar Project-300 MW Riverside East SEZ, Riverside County
- Crimson Solar Project-450 MW solar photovoltaic project, Riverside East SEZ, Riverside County

NV:

- SolarReserve- eight solar towers on 22,000 public acres near Tonopah that, if built, would be the world's largest solar energy project
- 

Top energy or infrastructure projects agencies are involved with

Wind

NV

- Crescent Peak Wind- 175 to 500-megawatt (MW) wind generation facility near Searchlight

NM:

- Clean Line Energy-up to 1,000 MW generated by approximately 400 wind towers near Corona, Lincoln County.
- Patterson Energy-additional 600 wind towers, to a total of 1,000 wind towers, north and east of WSMR.

Pumped Storage

CA:

- Eagle Crest-1,300 MW pumped storage project in a former mine at Eagle Mountain, Riverside County
- 

Top energy or infrastructure projects agencies are involved with

Transmission


AZ:

- Nogales Interconnection Project-230kV line crossing the border near the Mariposa Port of Entry

AZ & CA:

- Ten West Link-500kV, 114 mile line between Tonopah, Arizona and Riverside County, California

Agencies' related planning efforts that will be initiated by 2020

- Reviewing west-wide (Section 368) energy corridors in the western U.S. The agencies are developing recommendations for new, modified and deleted corridors. Changes to corridors will be undertaken in future land use plan revisions
 - Revisions to export authorization and Presidential permit procedures to make application process more efficient
 - Need to consider new wind towers in planning future test articles flying into test range
 - Energy, environmental and land use planning and coordination to minimize species/habitat impacts and land use conflicts associated with energy and transmission projects for higher levels of renewable generation
- 

Changes in policies (administrative or statutory) that agencies are contemplating

BLM:

- Improvements to NEPA review process

DOE:

- Publishes triennial congestion studies of electric transmission networks
- May designate a “national interest electric transmission corridor” to facilitate construction of congestion-easing transmission project
- FAST-41 implementation and compliance
- August 2017 Infrastructure Executive Order
- Guidance on IIP implementation

California Energy Commission:

- Current law requires reduction in overall greenhouse gas emissions of 40% and a RPS of 50% by 2030; RPS expected to increase before 2020

Energy-GIS related data

- Solar Mapper Tool <http://solarmapper.anl.gov>
- West-wide energy corridors: <http://wwmp.anl.gov> and related corridor mapper tool: <http://corridoreis.anl.gov>
- DOE Energy Zones Mapping Tool: <https://ezmt.anl.gov/>
- DOE Energy and Water Data Portal (<http://energy.sandia.gov/climate-earth-systems/energy-water-nexus/data-modeling-analysis/western-and-texas-interconnects/energy-and-water-data-portal/>)
- DOE NatCarb Viewer: <http://natcarbviewer.com>
- Some NPS data: <https://irma.nps.gov/Portal/>
- BLM 368 Corridor Mapping Tool: <https://bogi.evs.anl.gov/section368/portal/>
- WECC Environmental Data Viewer: <http://ecosystems.azurewebsites.net/WECC/>
- WECC Interactive Transmission Project: <https://www.wecc.biz/SystemAdequacyPlanning/Pages/Project-Information-Portal2.aspx>
- www.wildlife.utah.gov
- www.gis.utah.gov

WRP Energy Committee Next Steps

1. Provide update on survey efforts and seek additional input from WRP Energy Committee
2. Include summary of relevant information in Regional Assessment Report
3. Continue energy-related webinars on emerging efforts (policy changes/trends)
4. (If possible) Map energy projects within the WRP area
5. Summarize changes in policy and upcoming trends – present at Tenth Principals' Meeting


WRP MRHSDP&A Committee Efforts

- Three webinars to date:
 - FAA Southern California Metroplex Project
 - Strategic Airspace (featuring FAA, General Aviation and airlines perspective)
 - NTIA's Office of Spectrum Management (mission, focus areas, efforts to manage Federal agencies' use of radio-frequency spectrum)
- Two planned:
 - DoD Aviation (TBD, still coordinating)
 - State Aviation Director Webinar – October 18 at 1 pm Pacific
- Regional Assessment Efforts-more fully explore:
 - Agencies' use of airspace and sustainment challenges
 - UAS operations (use and application)
 - Predictions on what the NAS might look like in 10 years
 - Any related planning efforts that will be initiated by 2020
 - Any aviation-GIS related data

Working to identify airspace mission impacts and UAV use and develop recommendations to address issues

Agencies' use of airspace and sustainment challenges

DoD:

- Energy infrastructure can not only act as obstacles for low-level flying aircraft, but may also cause sustained electromagnetic and acoustic interference that impact sensors, communications, and navigational aids. Wind turbines cause false radar returns which could impact military training missions
 - Confusion may result where DoD has access to airspace but does not manage the land below
 - Although a training site is in a remote and sparsely inhabited area, the airspace above may still be congested
 - New advanced, high speed aircraft such as the F-22 Raptor and F35 Joint Strike Fighter need more space to maneuver in a safe fashion; long range airspace corridors may be needed
 - New weapons systems tend to need a higher data rate for spectrum. A secure communications network is vital to ensure information security for new aircraft such as the JSF
 - Increased testing by WSMR side-by-side with pilot training sorties from Holloman AFB
- 


Agencies' use of airspace and sustainment challenges

(continued)

NOAA:

- Fixed-wing aircraft gather meteorological information or engage in applied research such as exploring land-falling atmospheric rivers

Utah:

- Anticipates fewer but larger aircraft requiring growth at hub airports, possibly at the expense of medium to small airports
 - General aviation may see increased innovation/research and development in aircraft manufacturing because of FAA rewrite of Part 13 of FARs
- 


Agencies' use of airspace and sustainment challenges

(continued)

BLM

- Mainly fire-related flights, but also resource management projects. Concerned by an increase in aircraft flying into temporary flight restrictions (TFR) issued by the FAA over fire areas
- Permits for tall structures (e.g., MET towers, wind turbines, high voltage transmission structures, solar power towers and communication towers) processed to ensure they meet FAA standards, coordinated with DoD, and added to BLM's Fire and Aviation group hazard maps. An official protocol may help ensure consistent application of standard

Utah:

- Encroachment by tall buildings, towers or poles in glide slope areas and development in runway protection zones. Solutions include conditioning the receipt of state or federal grants on local jurisdictions adopting zoning ordinances consistent with airport master plans or adopting Part 77 of FARs into State code
 - NextGen implementation shifts noise from one area to another, leading to complaints from newly impacted communities and requests to close airports, implement curfews, or readjust air lanes. Solutions include requiring real estate agents to disclose noise to prospective home buyers
 - More air traffic in recent years has not had an immediate impact on day-to-day operations
- 

UAS operations (use and application)

- Since 2013, States have enacted laws to address growing use of Unmanned Aircraft Systems (UAS.) Language clarifying that State does not intend to regulate use of UAS by military avoids uncertainty
- NOAA expects significant increase in UAS usage
- Increased use of UAS in fire areas. Drones in flight areas may ground fire suppressing aircraft. An added complication related is Federal court ruling that FAA cannot regulate hobby drones
- WSMR tests UAS systems and may use them in the future for surveillance, searching and fire

UAS operations (use and application)

Continued

BLM:

- Use of UAS varies due to variety of needs and resources. UAS operations increasing, including cultural, recreation, wildlife, wildland fire, fuels management and T&E vegetation. BLM has flown UAS remote sensing projects in Arizona, California, New Mexico (and other non-WRP states).
- Significant increase of requests to use drones for filming on public lands and other applications; anticipates this trend will continue

NOAA: Uses UAS for surveillance of a variety of weather situations


Utah: Uses UAS for photography and wildlife viewing, but does not anticipate increased use by the State itself

Any related planning efforts that will be initiated by 2020

FAA:

- Five Metroplexes, areas with multiple airports serving a major metropolitan area and diverse stakeholders, within the WRP region (Denver, Las Vegas, Northern California, Phoenix and Southern California)
- NextGen, designed to more efficiently, safely and optimally use airspace, will include: SFO, LAX, SAN, LAS, PHX, SLC and DEN
- DoD – 29 Palms, CA:
- Seeks additional Special Use Airspace (SUA) over recently acquired land to meet Marine Expeditionary Brigade sustained, combined-arms, live-fire and maneuver training requirements. SUA is needed for aircraft, aviation weapons systems, artillery, mortars, tanks and other ground-based systems of the Marine Air-Ground Task Force.

WSMR:

- Expects increased airspace use long range systems, hypersonic and 5th generation weapons.
 - Working toward a Programmatic EIS to consider establishing six long range corridors over 5 states.
- 

Aviation-GIS related data

USGS:

- Windfarm shows wind turbine sites throughout the US

DoD:

- DoD-Approved RAIMORA's
- Low-Level Military Airspace

BLM:

- MET tower location data (in fire and aviation program hazard maps.)
Uncertain as to how current this information is.
- Milford Wind Farm Turbines (should also be in FAA data.)

Utah:

- Airport and Aviation Layout and Data.
- 

WRP MRHSDP&A Committee Next Steps

- Summarize relevant Committee findings and circulate to full committee for further input.
- Seeking input (now) on cyber. WRP has had briefings on cyber and many of its members are focused on such issues. Is there a WRP-nexus? If so, what? One idea was for the committee to develop and present at the Tenth Principals' Meeting a short document outlining the fundamentals and policy implications
- Committee working to develop other recommendations; wanting to hear DoD input at this meeting as it relates to the “Military Readiness” aspect of this committee

Regional Assessment


Recap of Report Deliverable

- *Quantitative survey results of “top” Partner issues and needs within the WRP Region*
- *Relevant Committee exploration of survey results on Partners’ top issues and needs*
- Identification of state and regional plans to commence in 2017-2020
- Helpful resources that encourage better collaboration among states, federal agencies and tribes within the WRP Region
- Identification of authoritative GIS data layers or web mapping services supportive of WRP planning efforts and initiatives
- Further recommendations for WRP Principals’ consideration at the Ninth WRP Principals’ meeting on identified gaps and possible focus areas that would lead to possible solutions

Now: Committees efforts; Working to draft the report and finalize recommendations for further consideration

Regional Assessment

Next Steps

- Complete remaining Committee webinars
 - Prepare summary information for Committee to review for further gaps; information will also be sent to WRP SC for their action
 - Prepare regional assessment summary deliverable for Principals' Meeting
 - Seeking input on deliverable/report format
 - Executive Summary with recommendations
 - Report
 - Presentation at Principals' Meeting
 - Seeking input on timeline
 - Draft Exec Summary to WRP SC for review – Nov 6?
 - Report Draft to WRP SC for review – Early November
 - Exec Summary – Nov 15 for broad distribution
 - Report Finalized -
- 

Agencies' Updates on Issues of Importance

Updates on issues of importance and, if possible, please reference WRP Regional Assessment Survey and provide further thoughts on identified top issues & needs.

Please also provide an update in your agency leadership and any recent changes in agency efforts.

Presentation Order:

1. Amanda Quinones, DOE (by phone)
2. Mike Mower, UT Update
3. Casey Hammond, DOI HQ update
4. Becky Fulkerson, BuRec Update (by phone)
5. Bill Walker, BIA update
6. Joe Cuffari, AZ Update (by phone)
7. Julie Jordan, EPA (by phone)
8. Ryan McGinness, NV Update
9. Kristin Thomasgard-Spence, DoD Update
10. Jeff Zimmerman, NOAA Update
11. Jim Ogsbury, WGA Update
12. Raul Morales, BLM Update
13. Scott Morgan, CA Update
14. Allison Shipp, USGS Update
15. Kevin Moody, FHWA Update
16. Josephine Axt, USACE Update
17. Cliff Schleusner (for Joy Nicholopoulos), USFWS Update
18. Tamara Swann, FAA Update



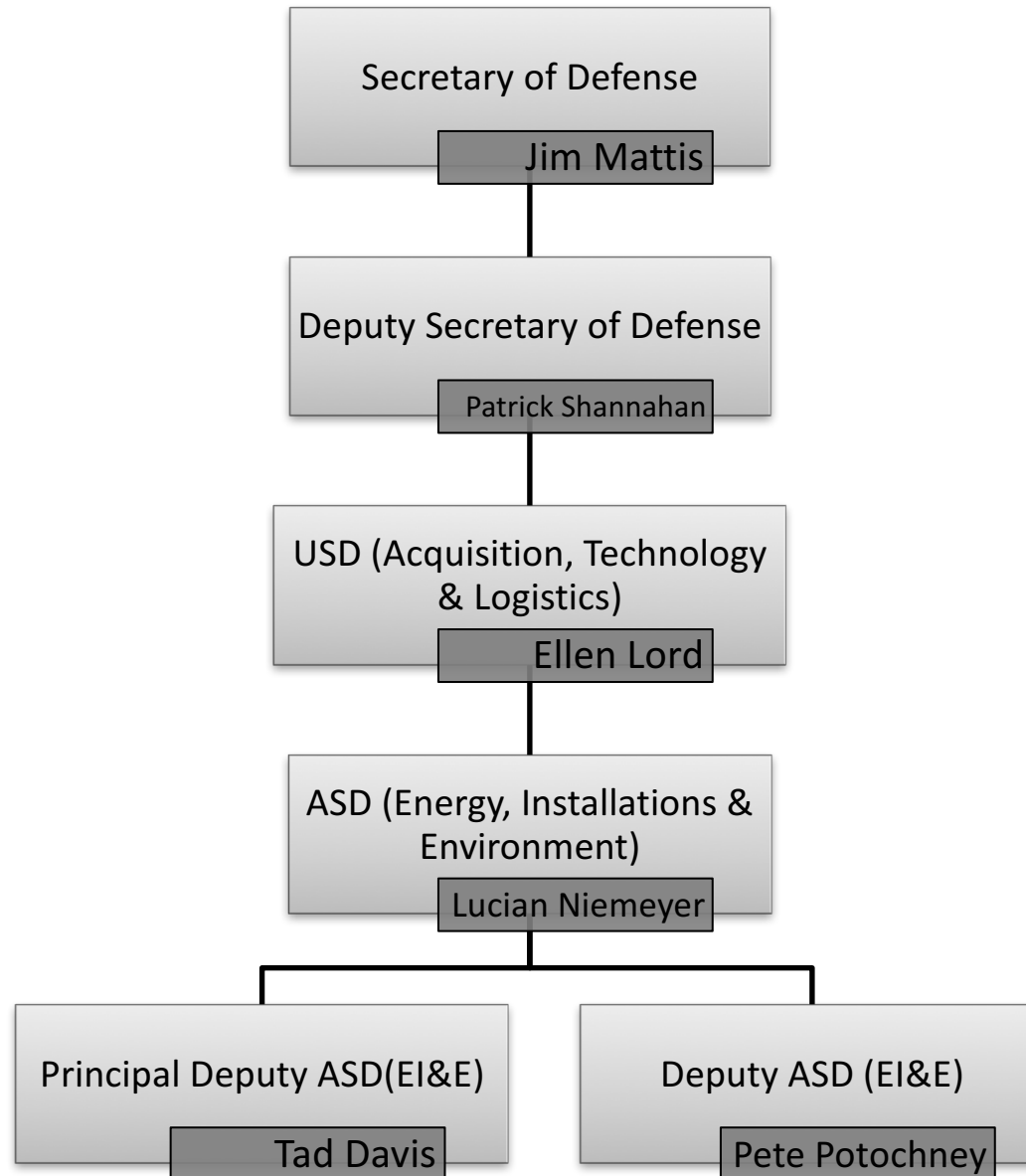
DoD Update to the Western Regional Partnership Steering Committee



14-15 September 2017



DoD Leadership





Regional Assessment Follow-Up

- DoD has focused our coordination efforts in response to regional assessment feedback
 - Improve DoD input and coordination to WRP; ensure consistent messaging across DoD
 - Working to strengthen and sustaining DoD engagement in WRP for the long-term
 - Focused on developing and vetting DoD issues/topics for WRP consideration and action



DoD Issues and Focus Areas

Setting the Stage with Sentinel Landscapes: Federal level partnership between DoD, DoI, and USDA that provides great opportunity for collaboration at the regional level with federal, state, local, and NGO partners





DoD Issues and Focus Areas

- Sentinel Landscapes (continued)
 - WRP has facilitated great collaboration already
 - Fort Huachuca Sentinel Landscape
 - Naval Air Station Fallon, NRCS, and Churchill County
 - Emerging opportunities for WRP to support Sentinel Landscapes in the region to advance shared partner objectives and address priority DoD issues



DoD Issues and Focus Areas

- DoD priority issues in the region
 - Land Use – action
 - Enhance coordination focused on compatible land uses
 - Improved DoD coordination on land use planning efforts - federal (RMP) & state
 - Enhanced compatibility activity via legislative proposals to protect DoD mission
 - T&E Species – action
 - Develop strategy to gain credit for existing management practices to avoid listing → eco-regional multi-species approach to management → western riparian eco-system focus
 - Airspace – info/awareness
 - Emerging DoD Airspace Needs/Modernization
 - UAS Airspace/UAS Centers of Excellence
 - Spectrum – info/awareness
 - What is spectrum and how does it impact DoD?
 - Appropriate siting



DoD Recommendations for SC Consideration

- Include a Sentinel Landscapes in the Principals meeting agenda
 - Update on Fort Huachuca Sentinel Landscape progress (a WRP success story)
 - Highlight emerging opportunities for partnership (Fallon/NRCS efforts, Camp Williams state legislation) and identify potential actions for WRP support
- Develop a working group to further flesh out and develop an action regarding land use planning/coordination for discussion at the Principals meeting
 - Ongoing BLM and DoD RMP coordination
- Propose western riparian eco-system focus for NR committee action for 2017-2018
 - Goal of developing a programmatic, region wide approach for management of key riparian species

Agencies' Updates on Issues of Importance

Updates on issues of importance and, if possible, please reference WRP Regional Assessment Survey and provide further thoughts on identified top issues & needs.

Please also provide an update in your agency leadership and any recent changes in agency efforts.

Remaining Presentations:

1. Jeff Zimmerman, NOAA Update
2. Jim Ogsbury, WGA Update
3. Raul Morales, BLM Update
4. Scott Morgan, CA Update
5. Allison Shipp, USGS Update
6. Kevin Moody, FHWA Update
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9. Tamara Swann, FAA Update



Bureau of Land Management - Our Public Lands

Raul Morales – Nevada Deputy State Director
Resources, Lands and Planning

September 14, 2017



BLM History

- 1785- Land Ordinance initiated the 1st Cadastral survey
- 1812- General Land Office (GLO) created
- 1849- Department of the Interior created
- 1934- Taylor Grazing Act passed
- 1936- U.S. Grazing Service created
- 1946- BLM formed from combination of GLO and Grazing Service





The General Land Office (GLO)

- Created in 1812
- Originally part of the U.S. Treasury
- Promoted settlement through multiple land laws until the early 1900s when it began to issue leases for grazing and collect royalties from minerals taken on public lands.

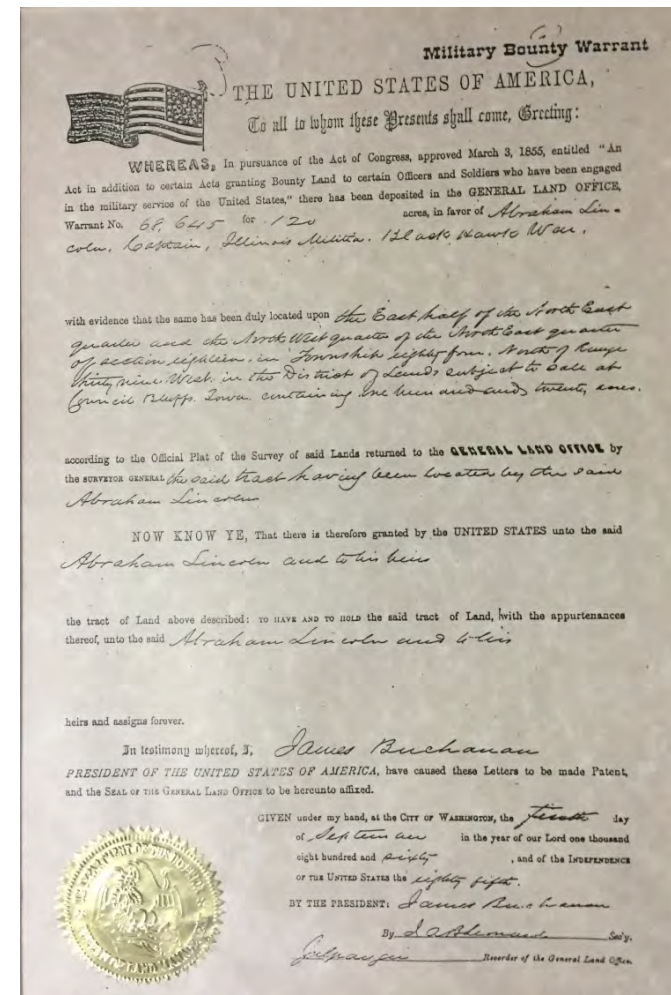




Land for Veterans

The federal government provided “bounty land” for those who served in the Revolutionary War, War of 1812, the Mexican War and Indian Wars between 1775 and 1855. Offered first as an incentive to serve and later as a reward for service.

The GLO issued this for Abraham Lincoln for his service in the Black Hawk War of 1832.





Department of the Interior

- Created in 1849
- General Land Office and Cadastral Survey became part of the department
- U.S. Grazing Service was added in 1936 and established grazing districts on public lands





Significant Laws

- Homestead Act- 1862
 - Promoted settlement
- Taylor Grazing Act- 1934
 - Passed in part to assist with the impacts of the Dust Bowl
- Federal Land Policy Management Act - 1976
 - Gave BLM it's multiple-use mission
 - Signed Oct 21, 1976 by President Ford
 - Often called our "Organic Act"



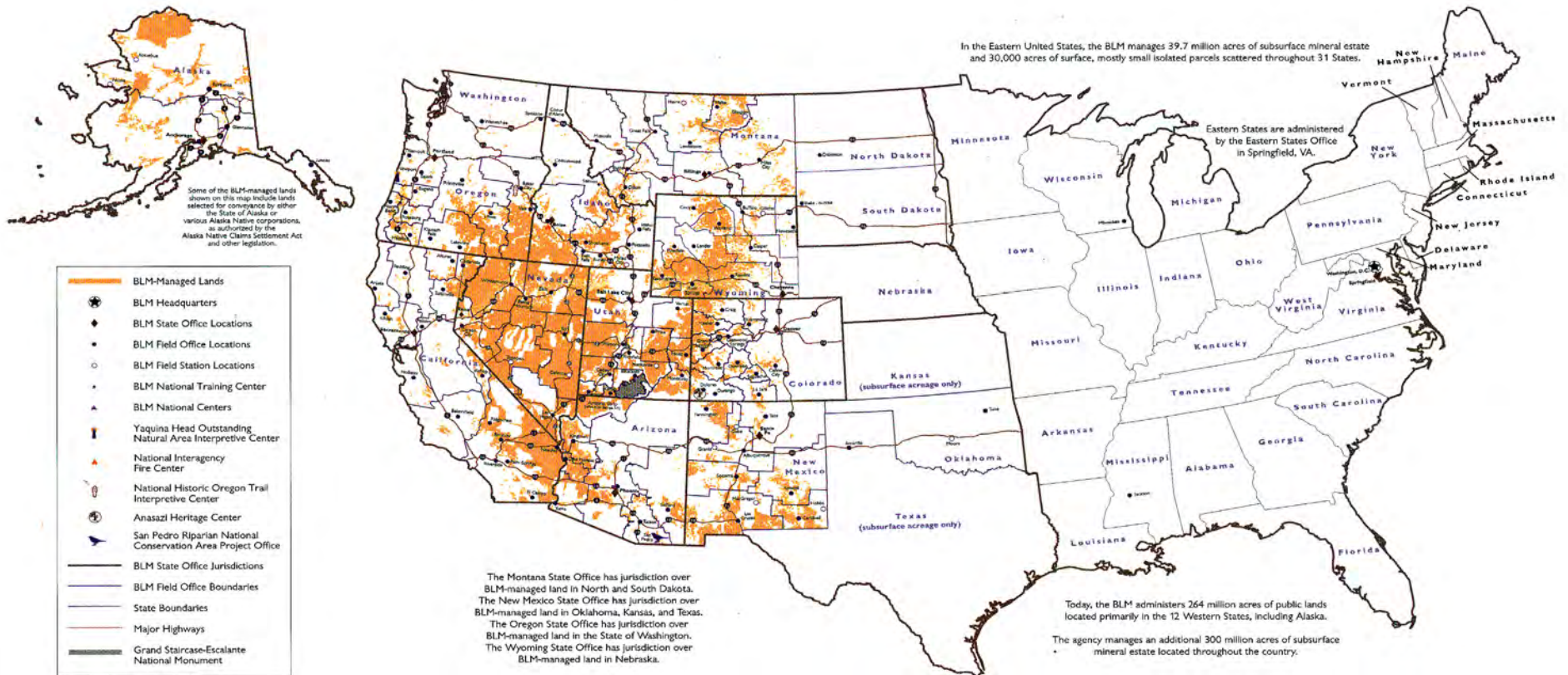
BLM National Overview

- Manage 245 million surface acres, mostly in 12 Western states and Alaska
- Manage 700 million subsurface acres throughout the country
- Multiple-use mission set forth in FLPMA
- 27 million acre National Conservation Lands system



BLM National Overview

Public Lands Managed by the Bureau of Land Management (BLM)





BLM Vision

To enhance the quality of life for all citizens through the balanced stewardship of America's public lands and resources.





BLM Mission

The mission of the BLM is to sustain the health, diversity, and productivity of the public lands for the use and enjoyment of present and future generations.

BLM manages public lands for “multiple uses!”





BLM Values

To serve with honesty, integrity, accountability, respect, courage, and commitment to make a difference.





BLM Priorities

- To improve the health and productivity of the land to support the BLM multiple-use mission.
- To cultivate community-based conservation, citizen-centered stewardship, and partnership through consultation, cooperation, and communication.
- To respect, value, and support our employees, giving them resources and opportunities to succeed.
- To pursue excellence in business practices, improve accountability to our stakeholders, and deliver better services to our customers.



DOI Secretary Priorities

Making America Safe Through Energy Independence:

encouraging environmentally-responsible development of energy and minerals on public lands;





DOI Secretary Priorities

Making America Great Through Shared Conservation Stewardship:

by working with our partners to promote multiple-use on public lands





DOI Secretary Priorities

Making America Safe – Restoring Our Sovereignty:

through effective management of the borderlands and cooperation with the Department of Defense on public land issues



Law Enforcement



DOI Secretary Priorities

Getting America Back to Work:

by promoting job creation and
supporting working landscapes;
and





DOI Secretary Priorities

Serving the American Family:

by being good neighbors, supporting traditional land uses such as grazing, and providing access to hunting, fishing, and other recreational opportunities.



Agencies' Updates on Issues of Importance

Updates on issues of importance and, if possible, please reference WRP Regional Assessment Survey and provide further thoughts on identified top issues & needs.

Please also provide an update in your agency leadership and any recent changes in agency efforts.

Remaining Presentations:

1. Scott Morgan, CA Update
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3. Kevin Moody, FHWA Update
4. Josephine Axt, USACE Update
5. Cliff Schleusner (for Joy Nicholopoulos), USFWS Update
6. Tamara Swann, FAA Update

Day 1
Wrap-Up and
Consolidation
of
Topics/Issues

Next Up:

- Dinner at 6:30
 - El Pinto Restaurant and Salsa Company - (505) 898-1771
 - 10500 4th Street NW
Albuquerque, NM 84114
 - Reservations Under:
WRP/Western Regional
Partnership
 - Dress Code: Casual
- Day Two: Meeting runs from 8:30 to 11 am



WRP Steering Committee with Committee Co-Chair Meeting

SEPTEMBER 15, 2017



Sept 15 Agenda

- (30 min) WRP SC Subcommittee on GIS
Recommendations on WRP-GIS Related Focus Area
 - *Seeking approval on recommendations*
- (30 min) Review of WRP Website
 - *Seeking input*
- (30 min) Recommendations by WRP Chair and Vice-Chair
 - *Seeking approval on recommendations*
- (30 min) Discussion regarding Ninth Principals' Meeting
 - *Seeking input*





WRP STEERING COMMITTEE SUBCOMMITTEE ON GEOSPATIAL INFORMATION SYSTEMS (GIS)

DECISION BRIEF

15 September 2017

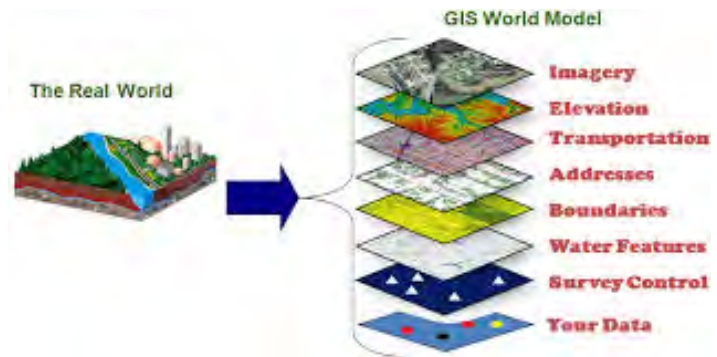
**Colonel Gary Johnston
MCIWEST-MCB CAMPEN**



WRP GIS Subcommittee (WRPGISS)

<p><u>Purpose:</u></p> <ul style="list-style-type: none"> - Attain geospatial requirements to support WRP priorities, assess whether existing tools and resources can be leveraged to meet these requirements, and coordinate sharing of existing and available tools and resources - Conduct planning to support WRP GIS-related requirements necessary to fulfill WRP mission - Provide guidance on key items including ensuring priorities set forth by the WRP Principals are completed <p>Location: TBD (In person / Telecon)</p> <p>Frequency / Time: Quarterly / TBD</p> <p>In-Puts Deadline: 30 days prior to meeting</p>	<p><u>Attendees:</u></p> <p>Chairs:</p> <p>Colonel Gary Johnston (MCIWEST/USMC) Kristin Thomasgard-Spence (OSD) Dwight Deakin (USN)</p> <p>Lead: Ms. Amy Duffy (WRP Coordinator)</p> <p>Required: WRP SC Subcommittee members; GIS Support Group Co-leads; GIS/IT Contract Support</p> <hr/> <p>Others: As required</p>
<p>References / Resources:</p> <p>https://bah16f18.adobeconnect.com/gis/</p> <p>https://wrpinfo.org ** when activated</p>	<p><u>Inputs:</u></p> <ul style="list-style-type: none"> • Principals' and Steering Comm tasks / guidance • Request for GIS support / products <hr/> <p><u>Outputs:</u></p> <ul style="list-style-type: none"> • Provide recommendations to support GIS requirements and priorities • Develop requisite plans, processes, and procedures for GIS tool / resource implementation

WHY GIS MATTERS



GIS is used to collect data, store, manage, analyze and produce information for DOD, DOI, DOA, etc.

GIS provides a shared and common picture of issues / plans

- GIS based maps provide a multi-layered lens to view all aspects of geographic areas of interest.
- GIS helps deconflict environmental and other potential encroachment issues
- GIS promotes an understanding what is happening and what will happen in geographic space.

GIS enables better decision making

- Making the correct decisions about locations is strategic to the success of the overall goals of the organization
- Provides a visual framework for conceptualizing, understanding, and prescribing actions.

2007 WRP GIS support identified as a requirement in the first Principals meeting

WRP Website & GIS Support Timeline

- **2007: 1st Principals' Meeting: Noted challenge and benefit of WRP "Maps (GIS)"**
- **2007-2008: The WRP "website & web mapping application (WMA)" established.** WRP developed by ManTech Intl Corp (MT) under contract with OSD. Site hosted & maintained by MCIWEST/GEOFidelis within MCIWEST Regional Datacenter.
- **2009: 2nd Principals' meeting: Information provided on the WRP SharePoint document repository and WRP website: www.wrpinfo.org.**
Live demo of the WMA was provided to highlight how Partners can create maps by referencing the collection of regional GIS data.
GIS Team formed into GIS committee to support WRP Committees' GIS needs.
- **2010: 3rd Principals Meeting: WRP tools in development briefed. Regional Project Database, Southern Arizona Template GIS Data-Based Land Use Planning Tool & Energy Point of Contact Database. A demonstration of the WMA using a land use challenge scenario (Mojave region with existing renewable energy site and low-level airspace).**
- **2011: 4th Principals' Meeting: The WRP Principals' elected to sunset the GIS Committee and establish a GIS Support Group to assist all Committees.**
- **2011-2012: Five GIS working agreements were developed and signed with the sole purpose of assisting coordination, collaboration and GIS data sharing.**
- **2012: Site transferred to MT for hosting under contract with OSD.**

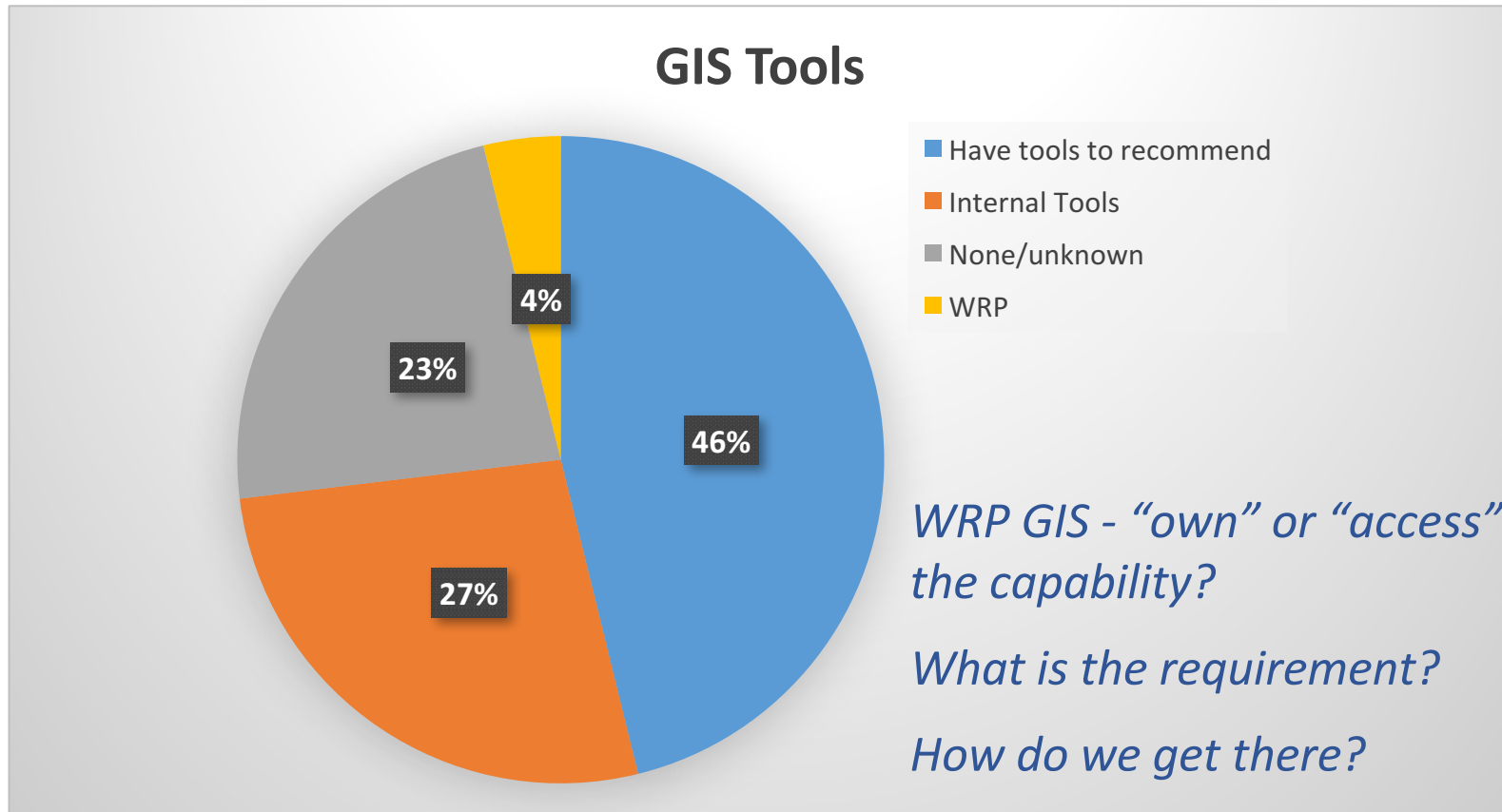
WRP Website & GIS Support Timeline

Continued

- **2012:** At the Fifth WRP Principals' Meeting, updates provided on WRP Land Use Planning Tool, WRP Mojave Project (GIS analysis) and other mapping/analysis (Tribal and energy resources). The SC provided updates on efforts to balance increased GIS mapping and analysis requests with available resources.
- **2013: OSD support contract awarded to BAH;** MT maintained ownership of WRP website source code & website domain. MT continued to provide website maintenance (under NAVAIR subcontract) during transition.
- **2013, 2014, 2015: At the Sixth, Seventh and Eighth WRP Principals' Meetings, spatial data analysis and mapping was conducted in support of WRP Committees** (and discussed by WRP SC Subcommittee on GIS) with extensive support of the WRP SoAZ/NM project.
- **2014: The WRP website transferred from MCIWEST to MT after the Marine Corps consolidated GIS capability and regional hosting discontinued.**
- **Aug 2014 – 2017:** MT continued to operate and support WRP GIS and website in limited manner.
- **2017: MT completely stood down fm WRP.** WRP WMA, LUPT removed from WRP Website.
- **2017: NEW WRP website is under development by BAH & Texas A&M (through REPI Office).**
 - WRP Regional Assessment sought Partner input with existing web mapping tools, GIS data that could be useful in regional planning efforts.
 - The WRP SC Subcommittee on GIS met three times to develop current recommendations for further WRP SC consideration.

Existing GIS Mapping Tools

Ref: WRP Regional Assessment Survey



Data information exchange/facilitating data collaboration was ranked #5 of top "needs" (WRP RAS)

WRP SC Subcommittee on GIS Purpose (Internal Support)

DRAFT to be Approved

- Attain geospatial requirements to support WRP priorities, assess whether existing tools and resources can be leveraged to meet these requirements, and coordinate sharing of existing and available tools and resources
- Conduct planning to support WRP GIS-related requirements necessary to fulfill WRP mission
- Provide guidance on key items including ensuring priorities set forth by the WRP Principals are completed

WRP GIS Support Group Purpose (External Support)

DRAFT to be Approved

- Provide awareness of data resources and assist WRP with GIS and other data-related support
- Each WRP Committee is supported by a GIS Liaison to:
 - Identify opportunities for using GIS to advance the WRP Committees' efforts; and
 - Work with the WRP Steering Committee to identify geospatial opportunities and leverage existing tools and resources to support WRP priorities

GIS Goal in WRP Charter

DRAFT to be Approved

Within the WRP Charter, there are six goals, with one on GIS:

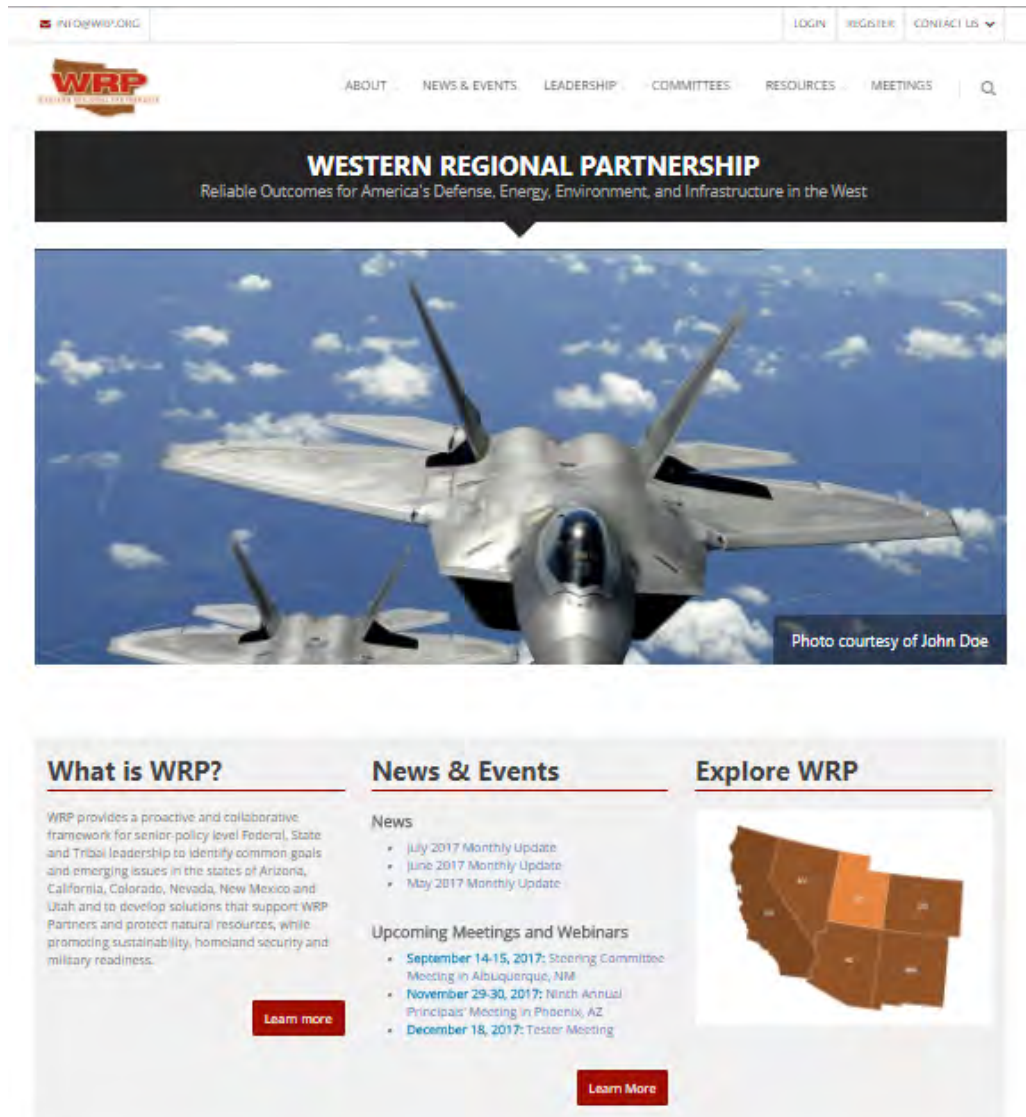
- Identify geospatial requirements and leverage existing tools and resources to support WRP priorities.



Questions Comments

New WRP Website Development Process:

<http://wrpdev.nri.tamu.edu>



Website Milestones:

Today: In-person demonstration – looking for final SC input in order to “go live” end of the month

Late September: Finalize website and go live, including Principals’ meeting registration

Late November: Present website at Principals’ meeting

WRP Website Requested Input

What we want to know from you:

- General:
 - Are there additional features or pages that would make the site more useful to you/your organization?
 - What information should be made public versus require site login?
 - Does your organization have representative photos you would like included on the site?
 - How can the site improve tracking and posting of Steering Committee, Principal, and Committee Chair information?
 - Are there any overall improvements that we could make to the layout/design of the site that will make navigation through the site easier and more appealing?
- Events:
 - As we build out the “Events” page, are there events your organization would like to highlight for other WRP partners?
- GIS/Maps:
 - Are there additional GIS tools we should highlight on the website?
 - Are there static maps that would be valuable to include on the site?




Recommendations by WRP Chair and Vice-Chair and Discussion

- 2017 WRP Charter and Vision and Mission Document
- 2017-2018 WRP SC leadership
- 2018 WRP Principals' Meeting timing and location
- Discussion and input on 2017-2018 efforts

WRP Charter

Recommended Changes for 2017

- Changes the GIS-related goal to reflect current WRP focus
 - Changes WRP Steering Committee (SC) leadership from a Chair and Vice-Chair to three Co-Chairs
 - Aligns WRP SC leadership to WRP Principal Co-Chair leadership
 - Lead WRP SC Co-Chair serves for one year
 - Enables the WRP SC to establish working groups to address strategic priorities adopted at a Principals' meeting that fall outside of existing committee structure or overlap committee jurisdiction.
 - The working group activities are to be limited in time and scope
 - SC will apprise the Principals of their activities at the following annual meeting
 - Adds WGA to the list of WRP Principal Organizations (an oversight) and makes some minor administrative changes
- 

WRP Vision and Mission

No changes recommended for 2017

WRP Vision

WRP will be a significant resource to proactively identify and address common goals and emerging issues and to develop solutions that support WRP Partners.

WRP Mission

WRP provides a proactive and collaborative framework for **senior-policy level Federal, State and Tribal leadership** to identify common goals and emerging issues in the states of **Arizona, California, Colorado, Nevada, New Mexico and Utah** and to develop solutions that support WRP Partners and protect natural resources, while promoting sustainability, homeland security and military readiness.

WRP Goals

(Per the Charter)

Recommended changes for 2017

- **Serve as a catalyst** for improved regional coordination among State, Federal and Tribal agencies
- **Address common goals**, identify and solve potential conflicts and develop solutions that protect our natural resources, while promoting sustainability and mission effectiveness
- Provide a **forum for information exchange**, issue identification, problem solving and recommendations across the WRP region
- At annual Principals' meeting, **adopt strategic priorities** to complete in the subsequent year
- **Leverage existing resources** and linking of efforts to better support key projects
- **Identify geospatial requirements and leverage existing tools and resources to support WRP priorities.**

WRP Vision/Mission document

Recommended Changes for 2017

Removes reference of WRP Web Mapping Application, Regional Project Database, under “Access to Tools and WRP Deliverables”

- WRP no longer has WRP WMA or RPD

2017-2018 WRP SC leadership

Recommended for 2017-2018

Three WRP Steering Committee Co-Chairs:

1. State: Ryan McGinness (Lead Co-Chair)
2. DoD: Kristin Thomasgard-Spence
3. DOI: TBD

2018 WRP Principals' Meeting timing and location


Recommendation

- 2018:
 - AUGUST: A two-day meeting to take place either the week of August 6 or the week of August 20
 - New Mexico
- 2019:
 - Colorado

Please email Amy with any conflicts you or your Principals have either the week of August 6 or 20, 2018

WRP SC and Committee Co-Chair Schedule of Upcoming Calls/Events

Seeking input

1. Brief call in October for final WRP Principals' Meeting planning discussion
 - *Week of October 16th??*
 2. Nov 29-30: Ninth WRP Principals' Meeting
 3. February 2018: Call
 - *Week of Feb 5th??*
 4. April 2018: Call
 - *Week of April 2nd??*
 5. June/July 2018: in-person planning meeting
 6. August 2018: Tenth WRP Principals' Meeting
- 

Discussion and input on 2017-2018 efforts: **SC**

Efforts that can be completed between
Ninth & Tenth WRP Principals' Meetings


-
- *Question: Do you want the WRP Monthly Updates (agency updates relevant to the WRP Mission) to continue? If so, what refinements do you recommend?*

The SC ongoing responsibilities include:

- Staff their respective WRP Principals and conduct outreach internally within each WRP SC member organization
- Bring any relevant issues from their organization to WRP for awareness and potential action
- Conduct WRP outreach with an emphasis on:
 - Encouraging State, Federal and Tribal participation in WRP Committees
 - Enhancing working relationships with other entities to support leveraging of efforts and reducing redundancies
- Review WRP Committee actions and provide input to WRP Committee Chairs as appropriate

DRAFT

In 2017-2018, the WRP Steering Committee will:

- Work with WRP Committees and GIS Support Group to ensure each has a strategic plan for the year that aligns with available resources and does not overcommit WRP Partners or WRP contract support
 - Advance efforts for the 2018 Principals' meeting
 - Serve as a resource to ensure WRP effectiveness
- 

WRP Natural Resources Committee Recommended Next Steps


1. Finalize Committee criteria on which species/habitats to address (draft criteria below)
2. Send criteria to Natural Resources Committee
3. Further refine criteria
4. Take “top” species and develop data overlays, with habitat and range (species synopsis)
5. Provide briefing at WRP Principals’ Meeting and confirm species of interest and Partner involvement
6. By Tenth WRP Principals’ Meeting, work to identify threats and opportunities and quick successes and work to leverage existing and ongoing efforts (maximize efficiencies)

DRAFT recommended committee Criteria

- Multi-state region (at least 2 states)
- Maximizes mission interest of WRP Partners (supports many members’ missions)
- Coordinates with existing efforts
- Builds resilience for wildlife and enhances Partners’ missions
- Increases habitat/precludes listing

Objective: Enhance collaboration among WRP to assist efforts to preclude or delist species through conservation efforts and to relieve the regulatory burden for WRP Partners

WRP Energy Committee Next Steps

1. Provide update on survey efforts and seek additional input from WRP Energy Committee
 2. Include summary of relevant information in Regional Assessment Report
 3. Continue energy-related webinars on emerging efforts (policy changes/trends)
 4. (If possible) Map energy projects within the WRP area
 5. Summarize changes in policy and upcoming trends – present at Tenth Principals' Meeting
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WRP MRHSDP&A Committee Next Steps

- Summarize relevant Committee findings and circulate to full committee for further input.
- Seeking input (now) on cyber. WRP has had briefings on cyber and many of its members are focused on such issues. Is there a WRP-nexus? If so, what? One idea was for the committee to develop and present at the Tenth Principals' Meeting a short document outlining the fundamentals and policy implications
- Committee working to develop other recommendations; wanting to hear DoD input at this meeting as it relates to the “Military Readiness” aspect of this committee

Regional Assessment

Next Steps


- Complete remaining Committee webinars
- Prepare summary information for Committee to review for further gaps; information will also be sent to WRP SC for their action
- Develop/refine WRP Priorities to be accomplished by Tenth Principals' meeting (2018). These are to be presented for consideration at Ninth Principals' meeting (2017).
- Prepare regional assessment summary deliverable for Principals' Meeting
 - Seeking input on deliverable/report format
 - Executive Summary with recommendations
 - Report
 - Presentation at Principals' Meeting
 - Seeking input on timeline
 - Draft Exec Summary to WRP SC for review – Nov 6?
 - Report Draft to WRP SC for review – Early November
 - Exec Summary – Nov 15 for broad distribution
 - Report Finalized -



Ninth WRP Principals' Meeting November 29-30, 2017

- Location: A.E. England Building, 424 N. Central Avenue, Phoenix, AZ
- Register through the new WRP website: www.wrpinfo.org
- Registration dates:
 - Early registration: 1 October – 30 October
 - Final registration: 17 November
 - Food and Beverage Costs: \$59 (early)/\$79 (late)
- Hotel Block: Sheraton Grand Phoenix
- Nov 29 Evening Reception: Sheraton Grand Phoenix

WRP Ninth Principals' Meeting Agenda Items

- Welcome Remarks by Arizona
 - Remarks by WRP Co-Chairs
 - WRP Overview and SC Recommendations
 - Lunch
 - Last year there was "around the room" on land management issues. Do you want an informal item or a formal presentation or?
 - Keynote remarks
 - Any suggestions for keynote remarks?
 - WRP Business Session
 - Conferment of Hanson Scott Award for Outstanding Leadership
 - Adoption of WRP 2017/2018 Strategic Priorities and Recommendations
 - Four Plenary Sessions
- 

WRP Principals' Meeting Plenary Sessions

Goals of each plenary session:

1. Highlight relevant WRP efforts from past year and provide recommendations for WRP's efforts for the next year
 - Panel to include discussions on relevant follow-up
2. Provide briefings/updates relevant to WRP Mission/Committee focus area
3. Engage WRP Principals (either they serve on plenary session or they have opportunities to ask questions/add comments, etc.)

Plenary Session Input

Energy

Title: Trends in Energy Policy (** and perhaps add Infrastructure)

Possible Presenters:

- DOI HQ: Energy Policy for federal lands
- DOE: Transmission Risk; Frontier Observatory for Research in Geothermal Energy (FORGE); Integrated Interagency Pre-Application (IIP) - Process on electric grid transmission.; Efforts to designate a geographic area as a “national interest electric transmission corridor”
- BLM or Forest Service: Sec 368
- Tribal and/or state perspectives
- Perhaps a presenter on the August 2017 Infrastructure Executive Order (Establishing Discipline and Accountability in the Environmental Review and Permitting Process for Infrastructure)

Plenary Session Input

(Continued)

- Sentinel Landscapes
 - Update on Fort Huachuca Sentinel Landscape progress (a WRP success story)
 - Highlight emerging opportunities for partnership (Fallon/NRCS efforts, Camp Williams state legislation) and identify potential actions for WRP support
- Other broad topics:
 - Airspace
 - Species
 - State-Federal Relations
 - Tribal-focused

Next Steps

1. Input from today's meeting will be consolidated and sent out
2. Recommend holding a WRP SC call with Committee Co-chairs in October to finalize recommendations on:
 - WRP Principals' Meeting Agenda – Plenary sessions & speakers
 - Regional Assessment
 - 2017-2018 SC Recommendations
 - WRP SC 2017-2018 Schedule



Wrap-up, Final Recommendations and Next Steps

