



WRP Steering Committee with Committee Co-Chair Meeting

JULY 25, 2016



Today's Meeting

Goals:

- Develop WRP Steering Committee Recommendations for 2016/2017
- Refine WRP 2016/2017 Priorities to be presented to the WRP Principals
- Finalize any WRP Principals' Meeting efforts
- Information sharing

Agenda:

- Setting the Stage (Overview of WRP)
- Recap of Survey Results and Finalize Decisions on 2017 WRP Efforts
- WRP 2015/2016 Efforts Recap
- Around the Room Agency Updates by WRP SC and Committee Co-Chairs
- Recommendations by WRP Chair and Vice-Chair & Discussion
- Eighth WRP Principals' Meeting
- Wrap Up

WRP Personnel Updates

- This will be Pete Bakersky and Brandi Colander's last WRP SC Meeting with Committee Co-Chairs
 - Pete will be retiring end of the year (we will see him at Principals' meeting)
 - Brandi is leaving to work for the National Wildlife Federation
- Stephanie Poore will replace Pete as the WRP SC FEMA when he retires
- ASLM Deputy Assistant Secretary Amanda Leiter will replace Brandi as the WRP DOI SC member when she leaves



Setting the Stage

**Brief Overview of WRP,
History, Mission, etc.**



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 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: 85% of Marine Corps' airspace; 67% 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 State Trust Landholdings
- Approximately 172 Federally recognized Tribes
- Significant amounts of Federally managed land
 - In WRP states the amount of Federal land ranges from 34.1% - 84.9% of total state land

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.

WRP Structure

8

WRP Co-Chairs:



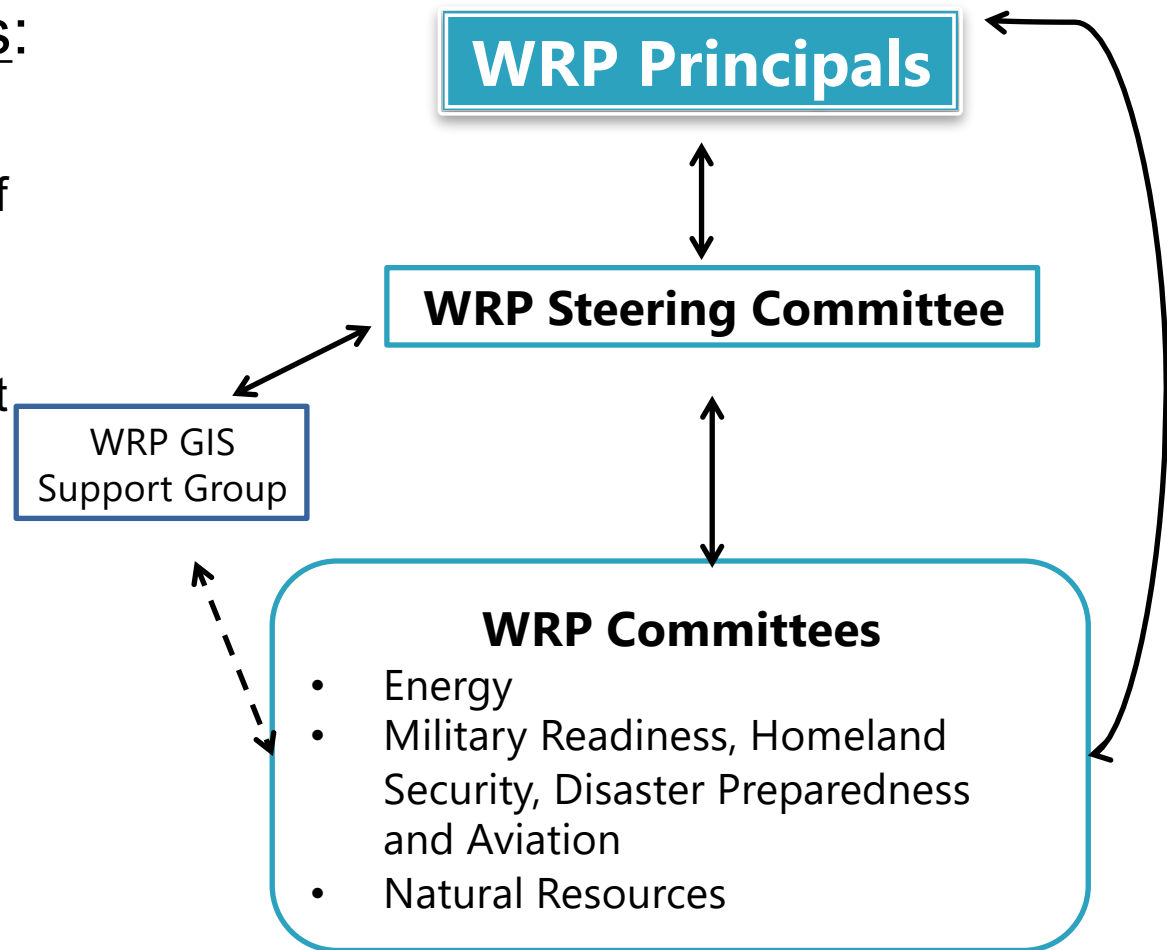
Honorable Gary Herbert, Governor of Utah



Ms. Janice Schneider, Assistant Secretary, Land & Minerals Management, DOI



Mr. Dave Duma, Principal Deputy Director, Operational Test & Evaluation, DoD



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

Pre-WRP Principals' Meetings

- Internal DoD Meetings
- Udall Institute Survey and MCI West Study

November 2007

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

August 17-18 2010

- Adopted WRP Charter
- Adopted WRP Vision and Mission
- Adopted Recommendation to establish Steering Committee (SC) and Tribal Relations Committee

September 13-14, 2012

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

WRP Timeline Through 2014



March 31/April 1 2009

- Recommended Committees continue their efforts
- Established Interim Steering Committee (ISC)

September 14-15 2011

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

June 17-18, 2014

- Revised WRP Vision Statement, WRP Mission/Vision document, WRP Charter and WRP Committee restructure
- Held 5 Plenary Sessions
- Continued to have strong attendance
- 8 reports with recommendations and collaborated on 2 landscape-level projects

Decisions Made at August 2015 Principals' Meeting

- **Added Colorado to WRP Region;** revised mission statement, charter, WRP logo, etc.
- Adopted WRP 2015-2016 Priorities
- Approved of 2015-2016 WRP Chair: Mike Mower & Vice Chair: Ryan McGinness
- Affirmed; no changes needed (last refined in 2014):
 - WRP Structure (Including Committees)
 - WRP Vision Statement
 - WRP Goals
 - WRP Tagline: *Reliable Outcomes for America's Defense, Energy, Environment and Infrastructure in the West*



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

- WRP Web Mapping Application, Regional Project Database, 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)

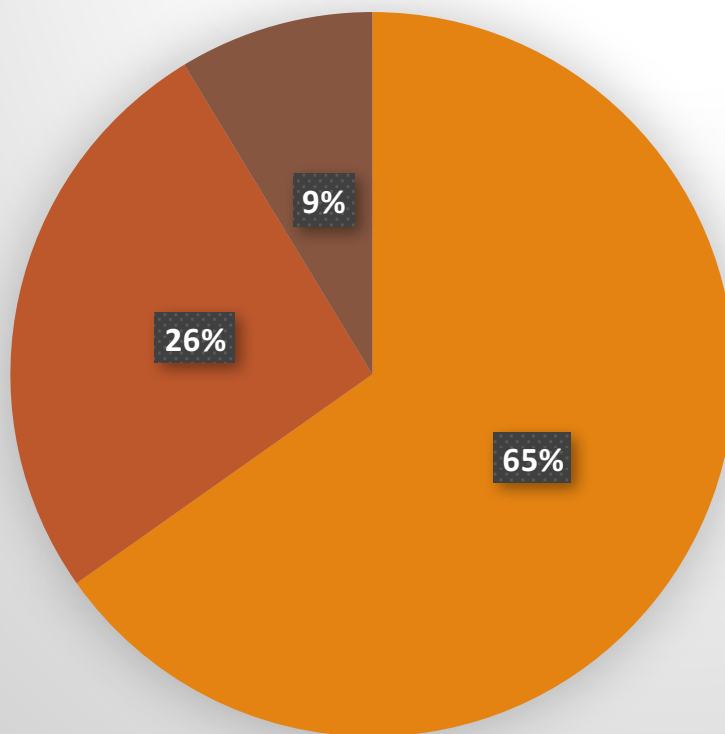


2016 WRP Survey Results

- Survey sent to WRP SC and Committee Co-Chairs to solicit input for 2016/2017 WRP planning efforts
- 23 responded

Frequency for WRP SC with Committee Co-Chair Calls for 2016/2017

Call Frequency



- Keep the same pace; a one-hour call every two months
- Slow the pace; hold a one-hour call every three months
- More communication; hold calls monthly

Recommendation by 65% is to continue to hold calls at same pace; one-hour call every two months

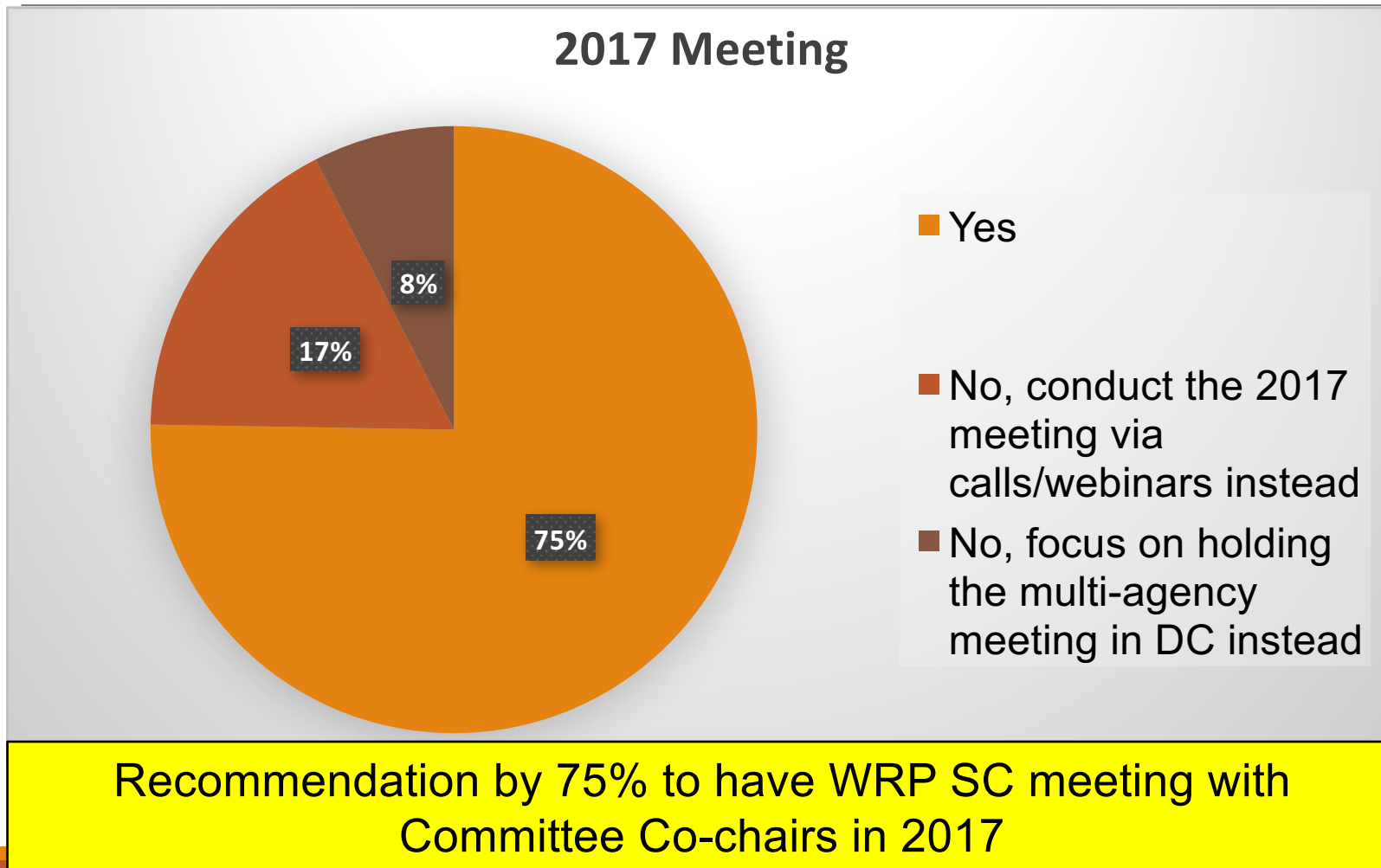
Input on WRP holding a multi-agency meeting in DC

WRP DC Meeting

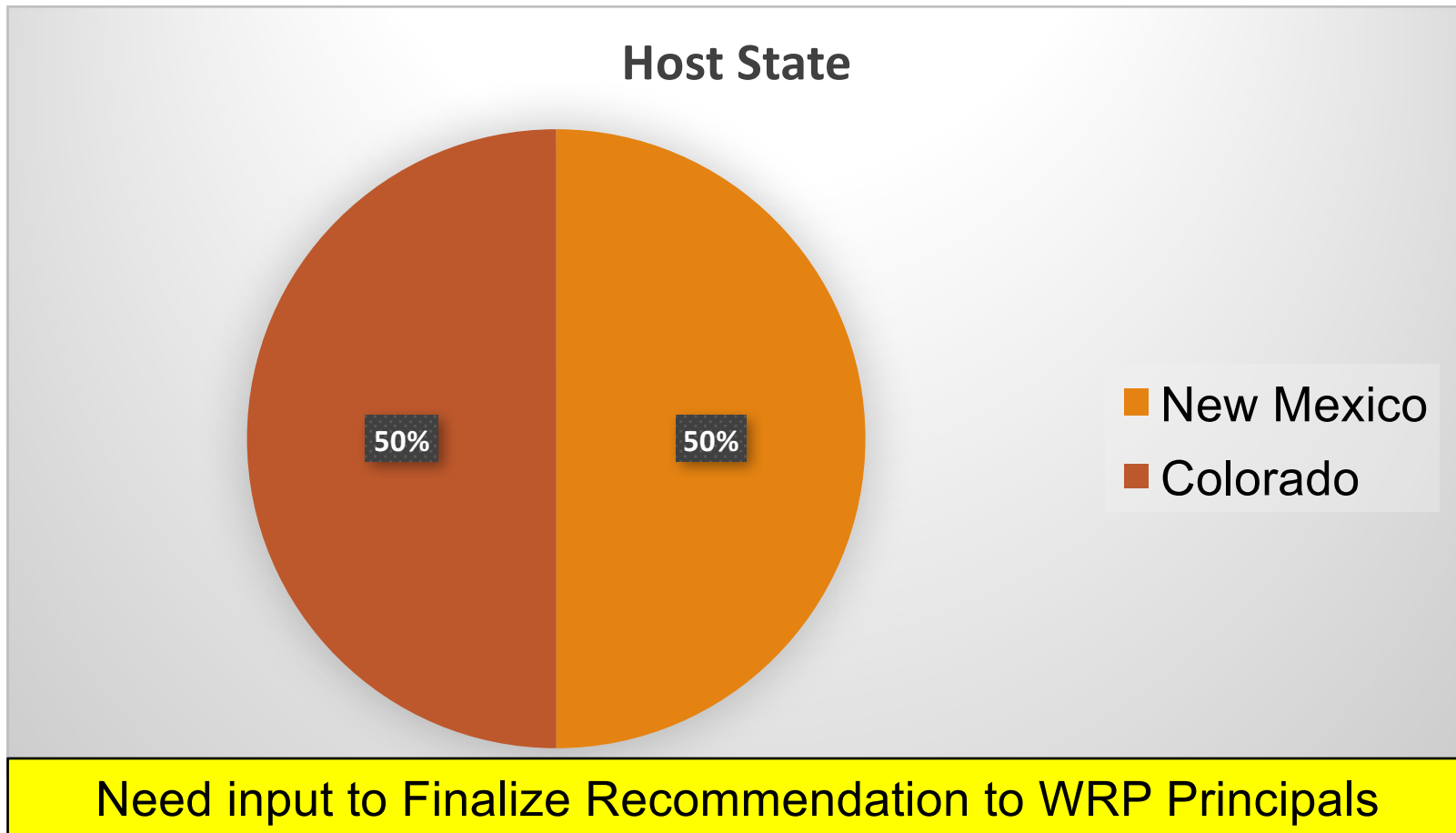


- Recommendation by 65% to hold WRP meeting(s) in DC
- Reassess in December 2016 about the feasibility and timing of holding a multi-agency meeting. In the meantime, continue having mini-meetings in DC with WRP contingency that can make such meetings.
- Consider having a larger multi-agency meeting, when timing is right. Ensure key administrative staff are in place and timing is not too close to Principals' meeting.
- Holding a multi-agency meeting requires much planning and support. Do not hold this meeting unless it can be done right.

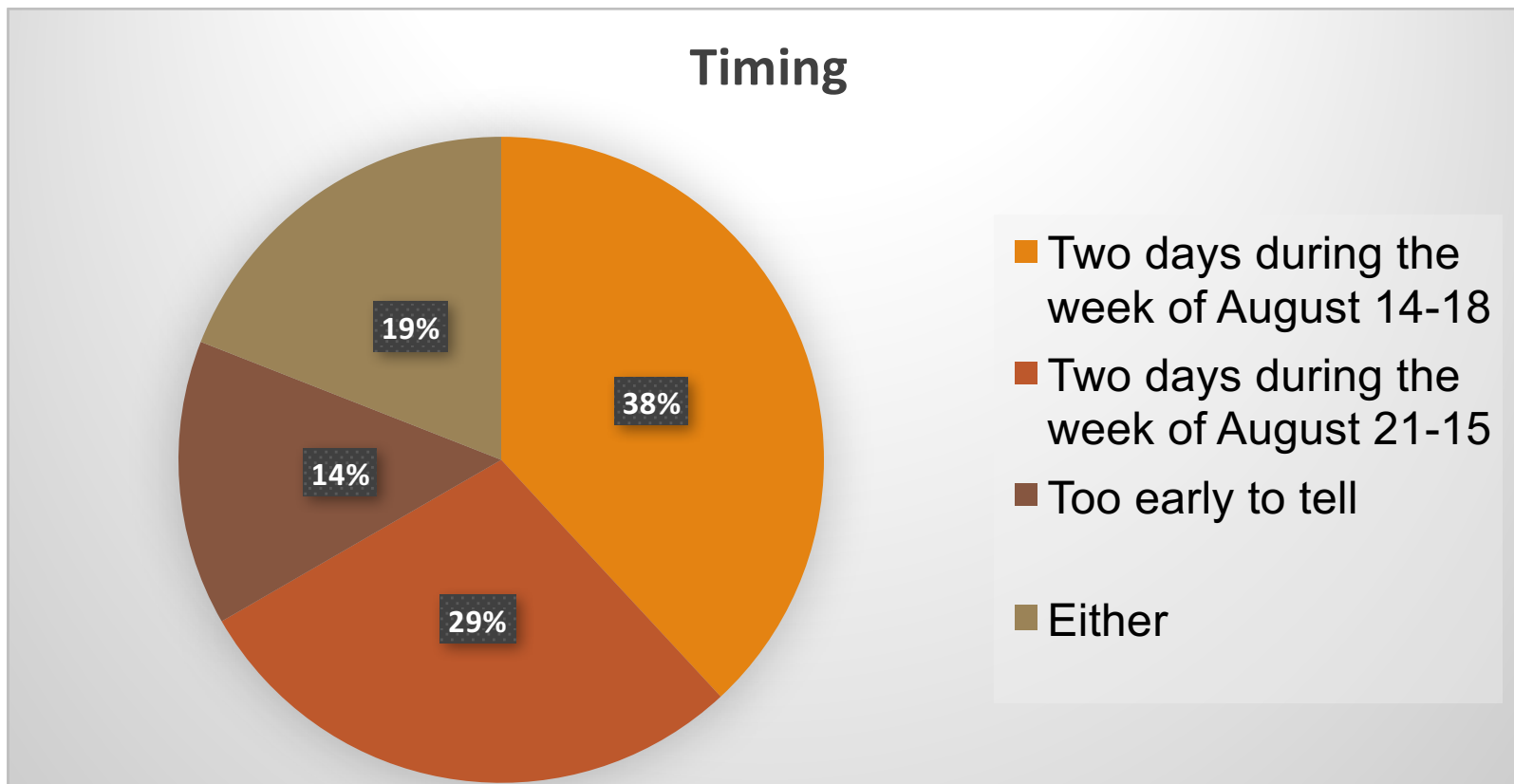
2017 WRP SC Meeting with Committee Co-Chairs



2017 WRP Principals' Meeting Location Recommendation



Timing of 2017 WRP Principals' Meeting



Recommendation: After 2017 Host State is confirmed; look into location availability and determine pricing, etc. Report back.

Selection of 2016/2017 WRP SC and Vice Chair

Recommendation going into this meeting...

*Given their incredible leadership,
Retain:*

- **WRP SC Chair:**
 - Mike Mower
- **WRP SC Vice Chair:**
 - Ryan McGinness





WRP 2015/2016 Efforts Recap & Discussion

*Highlighting efforts; not
exhaustive*

WRP 2015-2016 Efforts



**WRP
Regional
Strengths,
Areas of
Commonality
and
Emerging
Issues**



Energy Committee:

- Highlight new energy generation and transmission planning efforts and projects in WRP region and
- Potential impacts on WRP Partners' missions



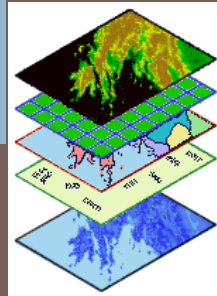
MRHSDP&A Committee:

- Highlight DoD mission in the WRP region and identify issues impacting the mission and
- Any changes to airspace use in the WRP region that may impact WRP Partners



Natural Resources Committee:

- Identify the associated range and distribution for high priority species at risk within WRP Region and
- Concerns about the region's water sustainability



GIS Support Group

- Provide the necessary GIS analysis, mapping and data support

2016 WRP Report Draft

- Contains:
 - WRP Regional Strengths
 - Areas of Commonality
 - Emerging Issues
- Overview by Committee:
 - Webinars
 - Other Committee Efforts
 - Partner related resources, relevant efforts and Trends (all with links to access the information)

WRP Steering Committee 2015/2016 Accomplishments



- Kept WRP functioning
- Worked with WRP Committees and GIS Support Group to ensure each has a strategic plan for 2015/2016
- Conducted outreach (in WRP region & DC); WRP briefings; participated in SERPPAS & WGA meetings
- Advanced efforts for Eighth Principals' meeting
- Updated WRP SC Welcome Packet
- Facilitated solutions for WRP Partners (aka e-harmony of business contacts/trusted working relationships)
 - e.g. WRP FHWA SC offering technical assistance on TIGER grants
- Maintained WRP Leadership (many retirements, change in positions, etc.) – **STRONG WRP CAPABILITY**

WRP 2015-2016 Committee Webinars



WEBINAR

- Attendance was high
- Good opportunities to focus one-hour to a dedicated subject
- Efficient way to explore subject areas of interest to WRP Partners
- Eight held and Two scheduled for August

Joint WRP Natural Resources and MRHSDP&A Committees Webinar

- U.S. Border Patrol mission in the WRP Region with a focus on:
 - Public Lands Liaison Agent (PLLA) Program
 - Ajo U.S. Border Patrol Station
 - Organ Pipe Cactus National Monument efforts to “Secure the U.S. Border and Protect Environmental and Cultural Resources for Future Generations”
- Conducted by:
 - (WRP SC BP member): Assistant Chief Rafael Cano/ Assistant Chief Bryon Strom, National Public Lands Liaison Agent Program Manager at U.S. Border Patrol Headquarters
 - Superintendent Brent Range of the Organ Pipe Cactus National Monument
 - Patrol Agent in Charge Anthony Good of the Ajo U.S. Border Patrol Station

Provided helpful overview of Border Patrol Mission; and their stewardship responsibilities and amazing inter-agency and restoration success working together in Organ Pipe National Monument

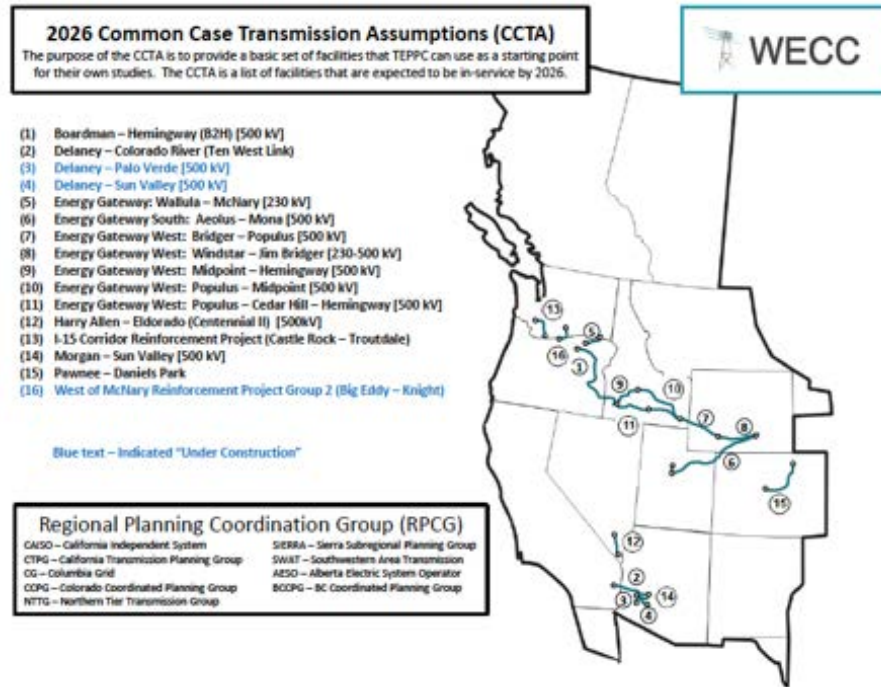
WRP Natural Resources Committee Webinar

- US Army Corps of Engineers (USACE) presentation on TEST (Threatened and Endangered Species Efforts) highlighting:
 - Efforts to accelerate the development of solutions to priority threatened, endangered, and at-risk species currently, or having high likelihood in the future to, affect USACE mission sustainability
- Conducted by:
 - Richard A. Fischer, Ph.D., Research Wildlife Biologist, USACE – ERDC, Environmental Laboratory

- USACE TES conservation and compliance spending averages ~\$230 million per year; 85% on birds and ~10% on fish
- TES conservation concerns currently exist at over 430 USACE projects, for over 300 different species
- Noted Single-species approaches used to date have provided mixed results in terms of meeting the objective of easing operational constraints
- TEST works to accelerate the development of solutions

WRP Energy Committee Webinar: WECC

- **Overview of Western Electricity Coordinating Council (WECC) mission and regionally significant transmission projects that have a high expectation of being in service in a 10-year timeframe given current trends**
- Conducted by:
 - Dr. Vijay Satyal, Sr. Policy Analyst; Colby Johnson, Associate Staff Engineer, and Byron Woertz, Manager System Adequacy Planning



WRP Energy Committee Webinar: RETI 2.0

- RETI 2.0 Objectives and progress to date and highlighted:
 - Insights, scenarios, and recommendations under development that will frame and inform future transmission planning proceedings to help reach the state's ambitious 2030 energy and environmental goals
 - Opportunities for engagement and next steps
 - Conducted by:
 - Brian Turner, RETI 2.0 Project Director, California Natural Resources Agency

RETI 2.0 staff will conduct outreach to stakeholders, including local communities, military, and tribes, to further refine understanding of the Focus Areas and to make sure appropriate issues and perspectives are captured in the Focus Area study ranges and assessments. Technical Groups' and Regional Consultation input will be consolidated in early August 2016 with presentation in mid-August.

WRP Energy Committee Webinar (Joint with GIS Support Group): Energy Zone Mapping Tool

- The Tool provides **data, models, reports, and policy information** for nine clean (low- or no-carbon) energy resource categories in the Eastern Interconnection. DOE decided to begin extending the scope to the entire United States
- Conducted by:
 - Jim Kuiper, Argonne National Laboratory

Great follow up coordination afterwards by DoD Energy Clearinghouse to ensure Argonne National Laboratory has appropriate DoD data layers for this and their other projects. WRP helped facilitate this information sharing along with WECC too.

WRP MRHSDP&A Committee Webinar: NTSB & MET

- National Transportation Safety Board (NTSB) and how they are trying to address hazards associated with Meteorological Evaluation Towers (MET)
- Conducted by:
 - Dr. Kristi Dunks, Analyst/Senior Investigator, National Transportation Safety Board (NTSB)

WRP has a fact sheet on METs and their Impacts on Aviation. METs are being built more frequently and at an increasing height. Many towers are built under 200 feet Above Ground Level (AGL) to avoid the Federal Aviation Administration (FAA) rule requiring coordination of any structure 200 feet or taller. In many areas such development does not require notification, which may result in a pilot first learning of the new tower while flying. Additional disclosure and notification of METs would promote aviation safety.

WRP MRHSDP&A Committee Webinar: 29 Palms

- Mission of the Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms and land acquisition and airspace expansion
- Conducted by:
 - Major Brian Welsh, Regional Airspace Coordinator, Marine Corps Installations West; Mr. Jim Ricker, Assistant Chief of Staff, G5 Plans, Community Liaison/Public Affairs MCAGCC and Ms. Kristina Becker, The Johnson Valley Expansion Program Manager, MCAGCC

Helpful webinar on overview of Marine Corps aviation mission, including types of aircraft currently flying and their roles, airspace challenges that impact DoD's ability to carry out its flying mission and why the southwest region provides a unique environment to conduct their mission.

WRP MRHSDP&A Committee Webinar: Spectrum

- Spectrum Policy Developments Affecting the U.S. Department of Defense DoD Test Ranges
- Conducted by:
 - Mr. Chris Mazur, Acting Navy Lead, International, Spectrum and Sustainability Team Lead OSD AT&L, Test Resource Management Center and will provide:

Provided:

- Better understanding of existing spectrum users, necessary spectrum bandwidth to complete mission, and status of spectrum sell off, reallocation and distribution of funds.
- Brief overview of importance of spectrum and DoD needs

Upcoming Webinars

- August 2 WRP Natural Resources Committee webinar on the **Monarch Butterfly**
 - Conducted by: Julie McIntyre, Ph.D., Ecologist - Endangered Species Recovery, Pollinator Coordinator, Southwest Region (R2)
 - 1:00 pm to 2:00 pm Pacific
- August 3rd Joint WRP Natural Resources and MRHSDP&A Committee on **Integrated Rangeland Fire Strategy (Implementation of DOI Secretarial Order 3336)**
 - Conducted by: Mr. Mike Haske, Implementation Manager for Integrated Rangeland Fire Management Strategy and works for the Office of the Deputy Secretary and Ms. Karen Prentice, Healthy Land Initiative Coordinator, BLM
 - 1:00 pm to 2:00 pm Pacific
- NOT CONFIRMED: FAA Metroplex briefing (101 & SoCal)



WRP SoAZ/NM Project Background & Update



GIS Suitability Analysis and Outreach

- Identify areas important to both ecological and military values
- Initial study area of 13,100 square miles was refined to three identified focus areas, consisting of 1,335 square miles


As a direct result of this project's efforts, the area:

- Received funding from the Arizona Military Installation Fund for conservation easement/deed restriction for 1,208 acres within WRP SoAZ/NM Project priority Focus Area 1 (Two rounds of funding; leveraged efforts)
- Heightened awareness of the region's importance for natural resources and military operations
- Won the 2014 and **2015 REPI Challenge (over \$7.6 million) and received \$5.9 million in Regional Conservation Partnership Program (RCP) funding**
 - ALWT, in partnership with Fort Huachuca, submitted the proposal
 - Over \$15 million in partnership funding with the focus of restricting development on 3,500 acres, thereby supporting the military mission, preventing degradation of water resources and supporting critical/proposed habitat supporting endangered species
- Fort Huachuca was designated a Sentinel Landscape
 - **March 2016: Fort Huachuca Sentinel Landscape Meeting held**

WRP provided Support Letter for ALWT's REPI 2016 Submission and RCP) funding

DoD Legacy funded project to develop multi-species management plans for “species at risk” on DoD lands in the WRP Region*
**Please note this effort is focused on species that are currently NOT listed; looking to preclude additional listing*

Project Purpose - Legacy grant awarded to NatureServe to launch a coordinated regional effort in 2016 to:

- Help halt the decline of multiple species at-risk (SAR) on/near DoD lands in the WRP region
 - **Prevent the need for federal species listing** and subsequent potential restrictions on DoD’s military testing, training and operations
 - Implement SAR conservation practices and develop proactive conservation partnerships before species become federally listed
 - Build on past efforts to develop single species management plans by designing multi-species plans
- 

Legacy Project: Coordinated multi-species management plans for high priority species at risk on/near DoD lands in the Southwestern U.S.

(Continued)

- WRP provided input on species
 - Input from WRP DoD MGMT Team; WRP Natural Resources Committee Co-Chairs and WRP SC
 - WRP also provided 2015 report on “WRP Partner Input on Species of Concern”
- Asking for WRP input on proposed species groups: several species that may share similar habitats/management needs
 - Arizona: on / near Fort Huachuca
 - Animals: Ft. Huachuca treefrog, Ft. Hauchuca springsnail, Huachuca skipper
 - Plant: Lupinus huachucanus (Huachuca Mountain Lupine)
 - California: – in coastal CA
 - Animals: Rothelix warnefontis (snail) on Naval Base Coronado; Helminthoglypta coelata (snail) on NB Point Loma, Agelaius tricolor (tricolor blackbird) – in marshes and habitat is threatened; is petitioned for listing now.
 - Plant: Mobergia calculiformis (lichen) on NB Point Loma

WRP DoD Management Team

Update by Steve Arenson

- Includes representation from OSD and Military Services
- Chair: Mr. Steve Arenson (also WRP Energy Committee Co-Chair)
- Duties:
 - Holds calls every two months to **coordinates** on issues
 - Meets in DC once a year to **encourage broader engagement between HQ and the western region**
 - **Supports DoD representatives to the WRP Steering Committee**
 - Coordinates with respective Services on issues/concerns to **ensure best consolidated input** to WRP Committees
 - Ensures **DoD issues** are addressed through WRP
 - **Communicates/outreach** to military in the Region

Effectively coordinated DoD issues in 2015/2016. This team stands by to support WRP Efforts.

Military Asset Listing Summaries (MAL)

- Summaries developed from all the Services and the National Guard, describing the history, missions and importance of these assets
- Drafts for installations and ranges in the WRP Region
- Written for the policy maker new to military issues and the military savvy person needing specific military information
- All but one drafted and finalized
- Soon all 2016 MALs will be posted to the WRP Website

State	Service
AZ: 18	USAF: 23
CA: 29	Army: 16
CO: 9	USMC: 9
NV: 9	National Guard: 20
NM: 9	Navy: 12
UT: 6	

Special thank you to Ms Debra Smith Ormsbee for all her efforts with the MALs!



Around the Room Agency Updates by WRP SC and Committee Co-Chairs

Five minute (max) updates on relevant agency efforts; looking to provide better awareness of top issues of importance (i.e. renewable energy projects; future planning efforts, etc.)

The Third Offset Strategy and Implications for Western Regional Partnership

Mr. Greg DeVogel

18 July 16

U.S. Army Test and Evaluation Command





Previous Offset Strategies

“First Offset Strategy”

- Emphasis on **nuclear deterrence to avoid the large increase in defense expenditures** necessary to conventionally deter Warsaw Pact forces during the 1950s.

“Second Offset Strategy”

- Following the Vietnam War, U.S. tolerance for defense expenditures plummeted while Warsaw Pact forces outnumbered NATO forces by three to one in Europe.
- DoD sought **technology to “offset” the numerical advantages** held by U.S. adversaries.
 - Emphasized: Intelligence, Surveillance, and Reconnaissance (ISR) platforms; Precision-Guided Weapons; Stealth; and the expansion of space’s role in military communications and navigation.
 - Guided by a long-range research and development plan that enabled U.S. and allied forces to hold adversary forces at risk long before they could bring superior numbers to bear.
- **Shaped, in many ways, the U.S. military of today.** Key resulting systems include:
 - Airborne Warning and Control System (AWACS) found on the E-2s and E-3s
 - F-117 stealth fighter and its successors
 - Modern precision-guided munitions
 - Global Positioning System (GPS)
 - Significant enhancements in reconnaissance, communications, and battle management

2nd Offset Strategy
Tested
at WSMR in 1982





The Third Offset Strategy

DoD developing a “Third Offset Strategy” to offset growing disadvantages to U.S. forces.

- Technologies will include **robotics, system autonomy**, miniaturization, big data, and advanced manufacturing
- Next-generation power projection platforms like **unmanned autonomous strike aircraft, Long Range Strike - Bomber**, undersea warfare systems and **non-line of sight communications**





Innovation Opportunities

Prototyping and Experimentation

Autonomy & Robotics

Biomedical

Electronic Warfare / Cyber

Future of Computing/Micro-electronics

Hypersonics

Directed Energy

Manufacturing

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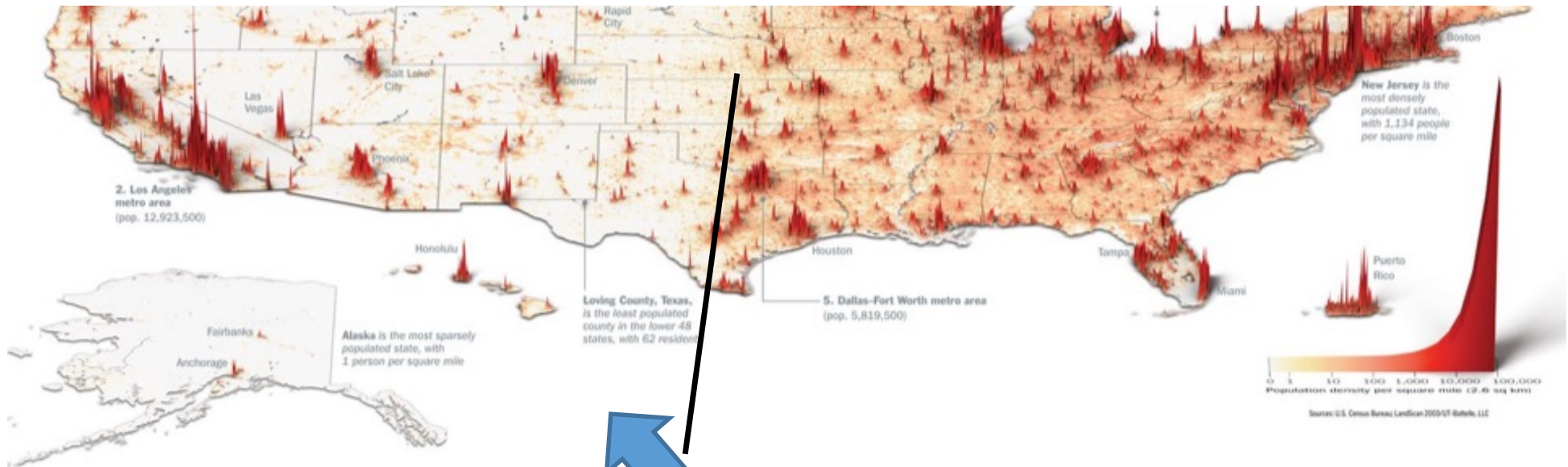




WRP Initial Analysis/Assessment

Some Initial Thoughts/Assessments

- Long Off-range Corridors needed
- Test Environment Characterization Needed for Autonomous
- Flight Safety Innovations – e.g., Geo Fences
- Additional Mobile and Remote Capabilities



Overland Testing most likely in WRP region. (Alaska weather issues)



Questions?





Autonomy & Robotics

Huge Role for Testing!

Autonomous Learning Systems

- Delegating decisions to machines in applications that require faster-than-human reaction times

Human-Machine Collaborative Decision Making

- Exploiting the advantages of both humans and machines for better and faster human decisions

Assisted Human Operations

- Helping humans perform better in combat

Advanced Manned-Unmanned System Operations

- Employing innovative cooperative operations between manned and unmanned platforms

Network-enable, autonomous weapons hardened to operate in a future Cyber/EW Environment

- Cooperative weapon concepts in communications-denied environments

Simulation coupled with **multiple** open air tests on a large range is only way to test these systems




Recommendations by WRP Chair and Vice-Chair and Discussion

- 2016/2017 Priorities and Expectations
- WRP Charter and WRP Vision/Mission document
- Discussion regarding ways to sustain and strengthen the WRP mission



DRAFT WRP 2016/2017 Priority

Guiding Principles:

- “Big” Idea that each Committee and WRP SC could take a piece of and work on
 - Could cross-over with new administration
 - Leverage existing efforts and plans
 - Recognize the uniqueness of the West
 - Focus of the Study is at a large scale, high-level; no examination of particular parcel data will be done
 - Consolidation will be at a regional, landscape scale
 - Project will highlight WRP Partners’ (states, federal and Tribal) mission and long term goals
 - Aligns with available resources and does not overcommit WRP Partners or WRP contract support
- 

Identifying Lands of Interest in the WRP Region


(Study Purpose)

- WRP seeks to heighten awareness of partner efforts to facilitate potential opportunities, synergies for additional collaboration and, at a very coarse level, areas of potential conflict or overlap
- Many WRP Partners have already developed future land use or development plans which could be compiled for a more unified look at development potential across the WRP region and then overlaid with various known constraints to identify areas where future development will have minimal impacts upon and meet the various needs of Partners' missions
- The study is to identify:
 - Areas in the WRP Region significant to WRP Partners (states, federal and Tribal entities)
 - Known energy infrastructure needs and construction,
 - Military and homeland security requirements,
 - Cultural uses, and
 - Natural resource management including critical habitats

Identifying Lands of Interest in the WRP Region

(Expectations)


WRP SC Members and Committee Co-Chairs are asked to provide publically available information on their agency's long-term plans (land use-related or strategic mission goals) that highlight future:

- Energy Development
 - Military Mission Footprint or Weapon System Changes
 - Ecological Goals (looking for opportunities to assist with activities over key habitat)
 - Priorities for large landscape-level conservation (this may assist for example, to identify other suitable areas for recommendation for additional Sentinel Landscapes)
 - Aviation/UAV/UAS Mission Changes
 - Resource Management Plans, or equivalent
 - Regional and State-wide plans (such as recreation, transportation, economic development)
- 

Identifying Lands of Interest in the WRP Region

(Expected Product)

Note: This effort will be completed subject to the availability of WRP resources and to the extent feasible:

- Map product highlighting areas of overlap of mission interests that could drive greater collaboration among Partners
 - “Constraints” Map (high level perspective of potential areas for additional focus; need for mitigation/coordination, etc.)
 - Strategies (narrative) on possible processes to encourage development to areas of minimal conflict
 - Identify any gaps in information or plans
- 

WRP Vision & Mission


No Changes Recommended for 2016

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 Charter & Vision/Mission Document

No Changes Recommended for 2016

From WRP CHARTER:

The goals of the WRP are to:

- 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
- 

**Helpful
in achieving the objective**

**Harmful
to achieving the objective**

Internal Origin
(attributes of the
WRP)

Strengths:

- ✓ Strong Leadership (continued to bring in new leaders when folks retire, etc.)
 - ✓ Committed core
- ✓ History of results
 - ✓ Have enhanced or maintained military readiness in the West
 - ✓ WRP SoAZ/NM Project very successful demonstration project
 - ✓ Achieved ambitious set of goals
 - ✓ WRP Projects and supporting WRP Partners
 - ✓ Outreach and Engagement
- ✓ Great message
- ✓ Action focused

Weakness:

- ✓ Lack of a clear definition of success
- ✓ Lack of recognition of achievements
- ✓ Lack of “firm” agreement on specific actions
- ✓ Funding (maintain staff support; contract gaps; short-term planning horizon)
- ✓ Need to update WRP GIS/Web tools

External origin
(attributes of the
environment)

Opportunities:

- ✓ Highlight our successes
- ✓ Create funding options (diversity contract support funding)
- ✓ Continue Outreach
 - ✓ WRP Tri-Chairs
 - ✓ Meetings in DC with HQ on WRP efforts
 - ✓ Strengthen ties with Colorado
 - ✓ New Administration

Threats:

- ✓ Personnel Changes
- ✓ Resource Constraints (time, travel funding, contract/GIS support etc.)
- ✓ New Administration (the unknown)

Diversifying WRP Contractor Support (working to address SWOT)

Update by Dwight Deakin

Status:

- Presentation to WRP DoD MGMT Team; WRP Veterans; WRP DoD Co-chair (Mr. Duma)

Concept:

- Increase number of partners funding the WRP Coordinator contract (Only 4 have contributed (REPI; Navy; State of Utah; USMC))
- Build a plan to target new funding partners & renew existing funding partners
 - Ensure adequate funding is planned to exist for out-years
 - Broaden funding partners across fiscal years to reduce financial strain on partners
- Finalize parallel/off-set contracts using multiple funding sources from various partners
- Increase flexibility with regard to lapse in service, ensures critical support is available when needed
- Use funding plan to ensure contracts are adequately funded



DRAFT

WRP STEERING COMMITTEE SUBCOMMITTEE ON GIS

Current DRAFT Recommendations and
Background Information

WRP SC Subcommittee on GIS History and Mission

History:

- WRP GIS Support Group and WRP SC Subcommittee on GIS formed in 2011 (Fourth Principals' Meeting; sunsetted the GIS Committee)

Mission:

- Prioritize volume of GIS mapping and analysis requests and balance that with the available resources
- Develop long-term support plan to sustain WRP GIS assets
- Provide guidance on key items including ensuring priorities set forth by the WRP Principals are completed

WRP SC Subcommittee on GIS Membership:

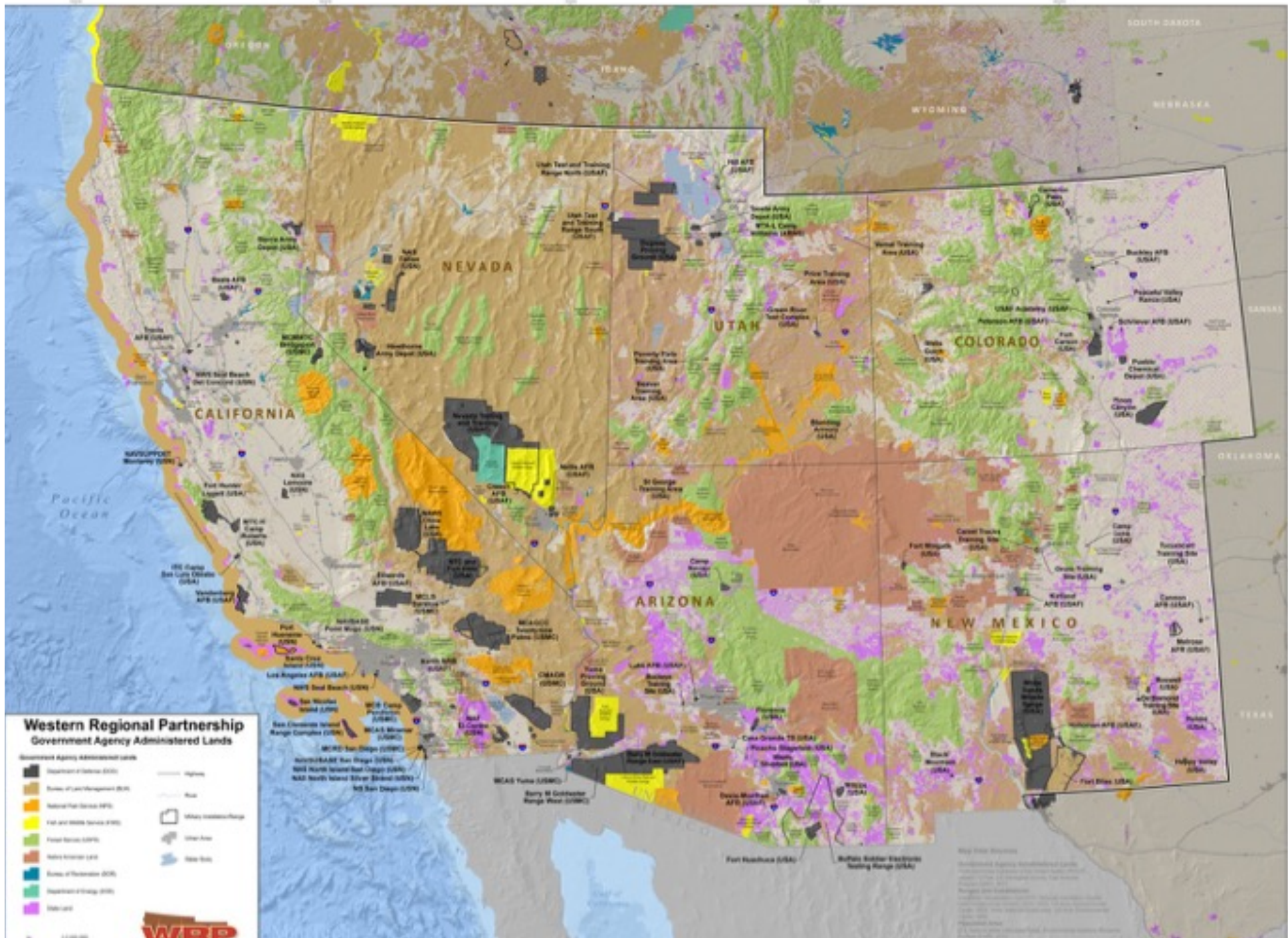
- WRP SC Chair/Vice Chair or their designee; OSD and MCIWest SC member
- GIS Support Group Liaisons

Supported by GIS Contract Support

WRP GIS Support Group Mission (with Contractor Support)

DRAFT 2016/2017 FOR REVIEW AND CONSIDERATION

- Provide GIS analysis, mapping, and data support to the Committees and develop support tools to assist in collaboration and planning initiatives within the WRP region;
- Integrate appropriate Tribal, Federal, State, and other available data sources into the WRP Web Mapping Application (WMA) for use in regional planning by WRP Partners;
- Work to ensure WRP hosted data is authoritative and current, where possible, thereby providing ready access and utility for WRP Committees use; and
- Include one lead person to act as a liaison to each WRP Committee by:
 - Identifying opportunities for using GIS to advance the WRP Committees' efforts and encouraging use of WRP GIS-Related tools such as the Regional Project Database (RPD), WMA and Land Use Planning Tool; and
 - Working with the WRP Steering Committee to prioritize GIS support requests in consideration of available resources.



**Western Regional Partnership
Government Agency Administered Lands**

- Government Agency Administered Lands**
- Department of Defense (DOD)
 - Bureau of Land Management (BLM)
 - National Park Service (NPS)
 - Fish and Wildlife Service (FWS)
 - Forest Service (USFS)
 - Navy (Navy)
 - Bureau of Reclamation (BOR)
 - Department of Energy (DOE)
 - Other
- Other Features**
- Highway
 - Road
 - Military Installation
 - Urban Area
 - State Park

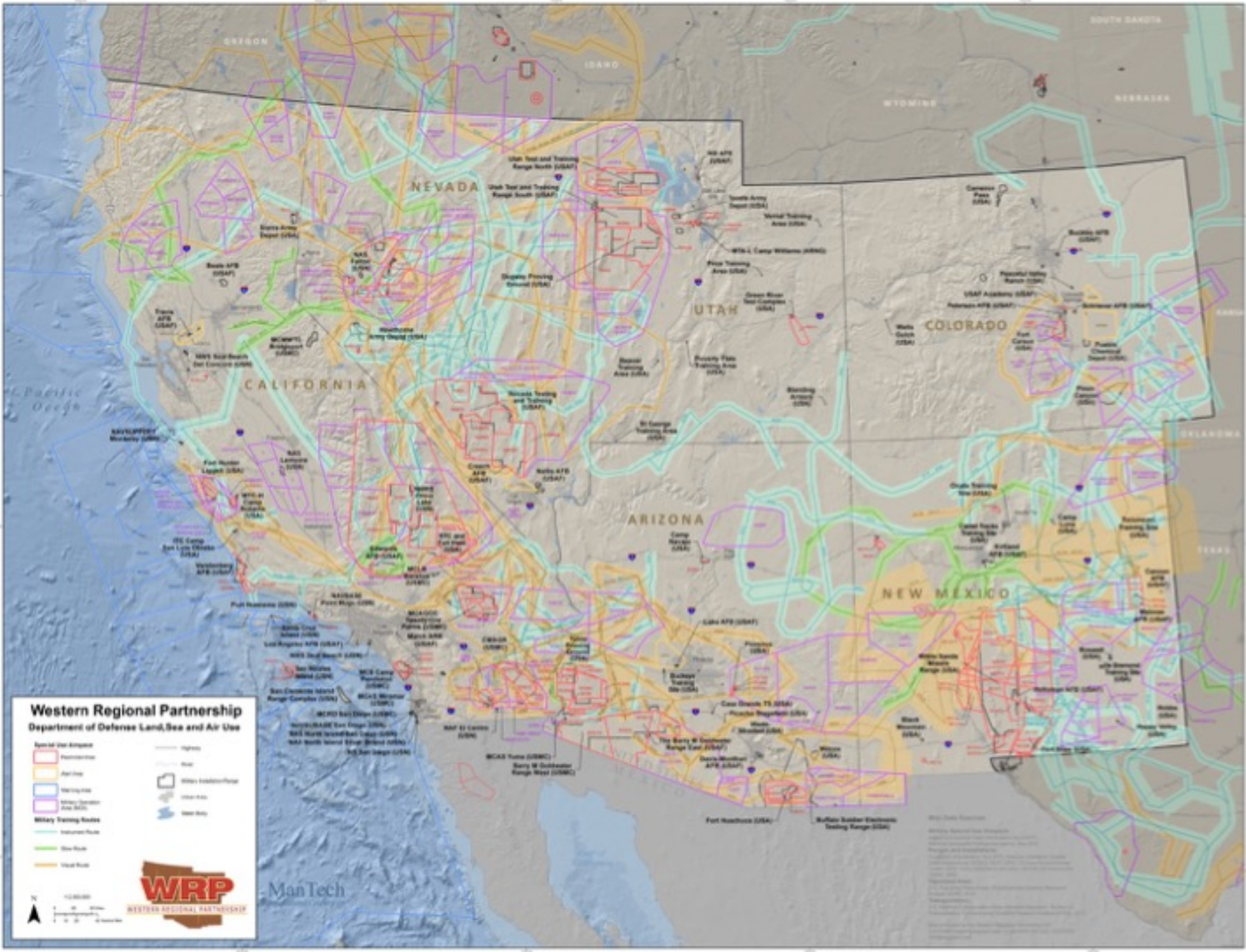


Map Data Sources

Government Agency Administered Lands
 Data provided by the Department of Defense, Bureau of Land Management, National Park Service, Fish and Wildlife Service, Forest Service, Navy, Bureau of Reclamation, and Department of Energy.

Other Features
 Data provided by the U.S. Geological Survey, U.S. Census Bureau, and U.S. Department of Transportation.

Map Date: 11/2010



Proposed WRP Website Maintenance and Improvements

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Critical	Maintenance	Enhancements
<ul style="list-style-type: none"> • Improve web browser compatibility issues; ensure system works as originally developed <ul style="list-style-type: none"> • RPD does not store spatial locations • Ensure an email address does not receive duplicate WRP emails • Fix admin controls associated with creating, formatting, and sending emails and maintaining user accounts/mailling lists • Optimize Stafford hosting environment and database to improve site performance 	<ul style="list-style-type: none"> • Refresh Spatial data and include newly acquired data as identified by WRP SC Subcommittee on GIS (i.e. supporting priorities set forth at Principals' meeting) • Redesign website to improve usability and look and feel • Upgrade Web mapping application from FLEX (Flash) to another platform (i.e. JavaScript) • Post updated WRP map set and other identified content (e.g. MALs) 	<ul style="list-style-type: none"> • Expand Regional Project Database features • Expand Land Use Planning Tool features • Expand other web mapping application functionality through stakeholder input (e.g. analysis capabilities) • Integrate external geospatial data providers via mapping services (e.g. US Geospatial Information Network) • Reduce licensing costs by incorporating open source solutions • Ability for someone to RSVP for another person through WRP scheduler

Discussion Regarding Eighth Principals' Meeting

- Review of Meeting Agenda, Goals and Expectations
- Provide further recommendations for meeting preparations



WRP Principals' Meeting

Logistical Info

Meeting Location:

- Main Meeting: Douglas Ballroom at the University Guest House & Conference Center at the University of Utah
- Dinner: Commander's House (walking distance)
- Sleeping Rooms: on-site (\$108/night (per diem)) – **BLOCK IS FULL**

Meeting Cost (covers catering):

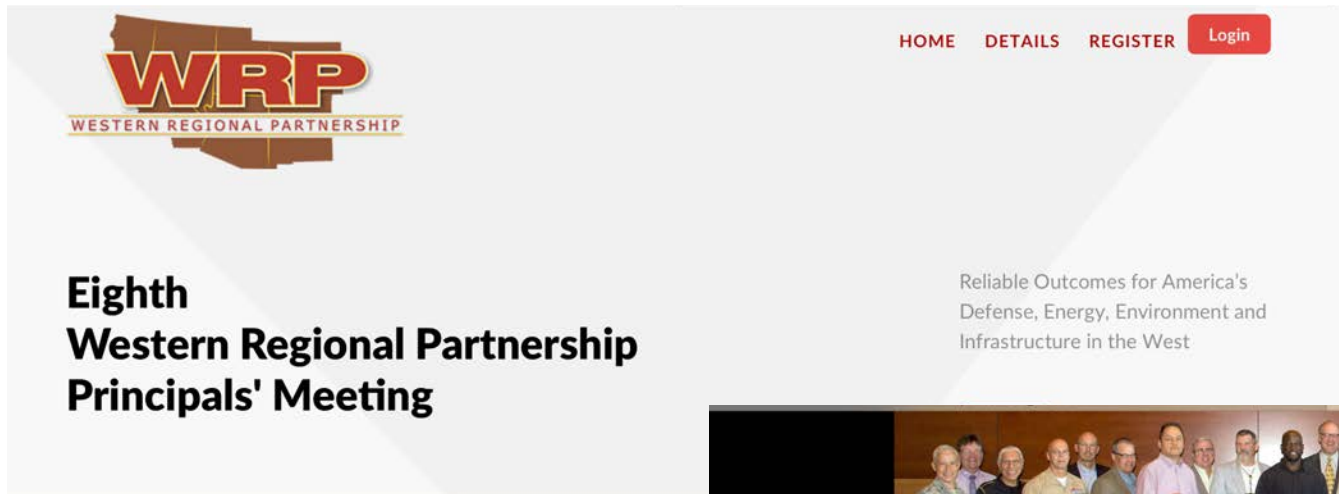
- Early Registration (**ended**)
- Registration: \$85

Meeting Schedule

- August 16th:
 - Optional Social Dinner
- August 17th
 - 10 am to 5 pm: Main meeting
 - 6:00 – 8:00 pm: Dinner reception
- August 18:
 - 7:30 – 8:00 am: Continental Breakfast
 - 8 am to 12 noon: Main Meeting

WRP Principals' Meeting Registration

Registration Webpage: <http://wrpevents.org>



HOME DETAILS REGISTER Login

WRP
WESTERN REGIONAL PARTNERSHIP

Eighth Western Regional Partnership Principals' Meeting

Reliable Outcomes for America's
Defense, Energy, Environment and
Infrastructure in the West



Registration

Register by July 18, 2016 to



Lodging

Special per diem rates



2015 Meeting Highlights



Input from 2015 Principals' Meeting; Changes Implemented for 2016

- **Positive:**


- Overall very positive feedback on meeting
- Impressive group; great turnout of state, federal and tribal leaders; high-ranking
- Great meeting facility, AV, well-run, etc. Well planned and executed. Recommend continuing to offer on-line registration
- Amazing plenary session presenters and topics

- **Refinements for 2016:**

- Ensure speakers stay within allocated time and stay focused on plenary session topic **PRE-CALLS AND FOLLOW UP TO OCCUR**
 - Two speakers went long, despite repeated requests by panel moderator and “pre” calls
- Shorten presenter introductions **WILL DO; MODERATORS WILL RECEIVE SHORTER BIOS**
- Extend networking breaks if possible **ADDITIONAL TIME FOR BREAKS ADDED**
- Continue outreach efforts to ensure HQ and other key policy makers are aware of WRP **CHECK**

Format of WRP Principals' Meeting

Goals of each plenary session:

1. Highlight relevant committee's efforts from past year and provide recommendations for committee's efforts for the next year
 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.)
- 

WRP Principals' Meeting Agenda

August 17-18, 2016 ❖ Salt Lake City, UT

Welcome & Opening Remarks by WRP Co-Chairs

- Honorable Gary Herbert, Governor of Utah
- Ms. Janice Schneider, Assistant Secretary, Land and Minerals Management, U.S. DOI
- Mr. Dave Duma, Principal Deputy Director, Operational Test and Evaluation, DoD

Keynote Remarks

- Congressman Chris Stewart (UT-2)
 - *Range and Testing Center Caucus; relevant western policy issues (e.g., better collaboration on natural resources)*
- **Invited:**
 - Jacqueline Pata, Executive Director, National Congress of American Indians to cover NCAI Report, "Tribal Nations and the United States: An Introduction"

WRP Business Session

- Confer Hanson Scott award for Outstanding Leadership
- Adoption of WRP 2016/2017 Strategic Priorities and Recommendations (**THIS IS UNDER REFINEMENT**)
- Discussion and Action by WRP Principals

Plenary Sessions

- Energy; Drought; UAV Integration; ESA (*Draft concepts next slide*)

WRP Principals' Meeting Agenda Plenary Sessions

Mix of state, federal and Tribal senior-level perspectives; Kept each panel to few presenters so that WRP Principals' can ask questions; provide their insight as well

Immediate Threats to the West: Drought & Wildfire

Highlighting Federal Drought Resilience Partnership and efforts to enhance drought planning and water resource management as well as exploring fire emergency response and restoration.

- Deputy Under Secretary Ann Mills, USDA,
- Tom Iseman, Deputy Assistant Secretary, Water and Science, DOI
- Chief Ken Pimlott, State Forester, CA Department of Forestry & Fire Protection
 - *Moderator: Ryan McGiness, WRP SC Vice-Chair*

Energy Trends in the WRP Region

Overview of energy regional efforts and policy, energy reliability, trends and western energy imbalance market.

- Mark Gabriel, Administrator & CEO, Western Area Power Administration (WAPA)
- Maury Galbraith, Executive Director, Western Interstate Energy Board
- Stacey Crowley, Vice President of Regional and Federal Affairs, California Independent System Operator Corporation (ISO)
- TBD - DOI
 - *Moderator: WRP Energy Committee Co-Chair- Jim Bartridge or Steve Arenson*

WRP Principals' Meeting Agenda Plenary Sessions

Mix of state, federal and Tribal senior-level perspectives; Kept each panel to few presenters so that WRP Principals' can ask questions; provide their insight as well

Endangered Species Act: Challenges, Trends and Efforts

Exploration of recent developments, conservation partnerships, WGA's Species Conservation and ESA Initiative and upcoming USFWS work plan.

- Gary Frazer, Assistant Director for Endangered Species, U.S. Fish & Wildlife Service
- Jim Ogsbury, Executive Director, Western Governors' Association
- Janice Brown, Director of Field Services West, Federal Highway Administration
 - *Moderator: Mike Hamilton, WRP Natural Resources Committee Co-Chair*

Integrating UAS in Airspace: Challenges, Trends and Efforts

Highlighting the challenges associated with formulating a policy for the use of Unmanned Aerial Vehicles (UAV)/Unmanned Aircraft Systems (UAS)/Remotely Piloted Aircraft Systems (RPAS) and accommodate systems that make the WRP Region safer, provide economic growth and more efficiently use resources to effectively accomplish mission goals.

- Frank C. DiGiovanni, Director, Force Training, Office of the Assistant Secretary of Defense for Readiness
- David Suomi, FAA Deputy Regional Administrator, Northwest Mountain Region
- David Ulane, Aeronautics Director, CO Department of Transportation, Division of Aeronautics
 - *Moderator: Kim Stevens, WRP MRHSDP&A Committee Co-Chair*

August 16th Optional Social Event

Baseball Game OR Dinner?

Baseball Game:

Bees vs. New Orleans at 7:05

- Tickets only: \$12-15 per person
- Picnic areas: (Ticket and food)
 - \$23.75
 - hot dogs, beans, chips, watermelon, soda
 - \$28.25
 - hamburgers, jumbo hot dogs, beans, chips, watermelon, cookies, soda
 - \$31.00
 - jumbo hot dogs, cheesesteaks, chicken sandwich, cucumber salad, chips, melon, cookies, soda
 - \$32.50
 - BBQ beef, pulled pork, muffins, rolls, buns, potato salad, beans, fruit, brownies/cookies, soda
- They need:
 - 2 weeks' notice on picnic areas; 1 week on tickets only
 - Full payment and want names for will call

Dinner:

- Walking Distance:
 - Student cafeteria in the Chase N Peterson Heritage Center
 - 15-25 min walk:
 - Porcupine Grill (pub and grill; upscale bar food)
 - Indochine (Vietnamese food)
 - Aristos (Great greek food - they specialize in small plates)
 - Pie Pizzeria (casual pizza, but a campus staple)
- Most other restaurants will be downtown, which is accessible by light rail.

WRP Principals' Meeting Registered Attendees

- ~100 have registered
- Registration deadline: August 8, 2016
- Working to Confirm:
 - DOE
 - USACE
 - DHS: HQ & CBP
 - NPS
 - Native American Leadership

If you have not made your reservation at www.wrpevents.org, please do so by August 8. Also if you have any suggestions to augment agency attendance please let Amy know.



Wrap-up, Final Recommendations and Next Steps

