



A Presentation to the Sustainable Cities Network



Arizona Army National Guard

Colonel Len Dyer, Jr., Chief of Staff

November 28 , 2012



National Guard History



Death of Gen. Warren at the Battle of Bunker Hill by John Trumbull

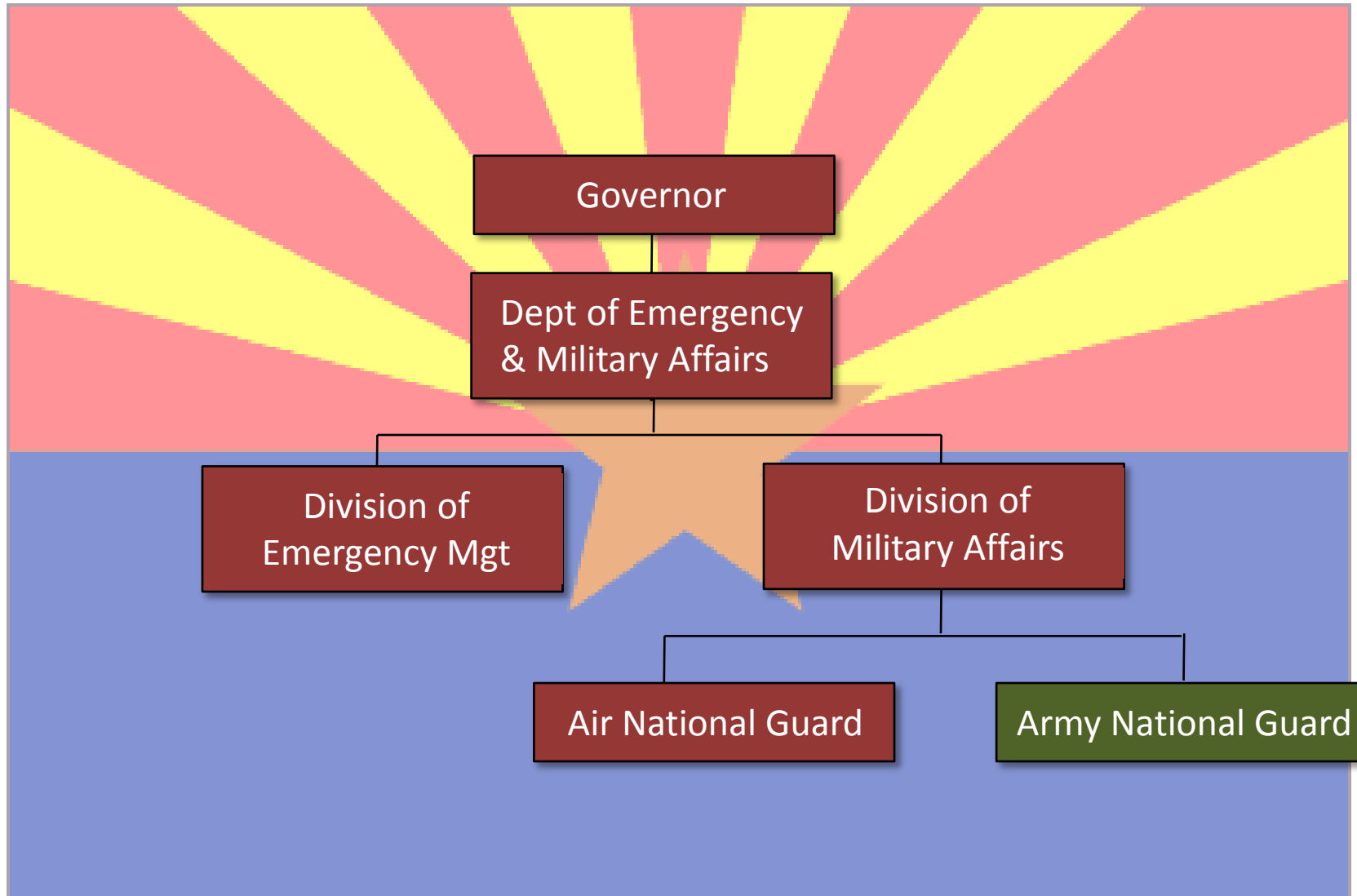


Blackhawk helicopters fighting wildfires in Tonto NF, Aug. 14, 2012.

- Citizen-soldiers dedicated to protecting and defending the interests of our community, state, and our nation
- Oldest component of the U.S. Armed Forces
- 1st organized on Dec. 13, 1636 at Jamestown
- Arizona ARNG established on Sep. 2, 1865
- Currently 5,200 Soldiers
- Also respond to state emergencies

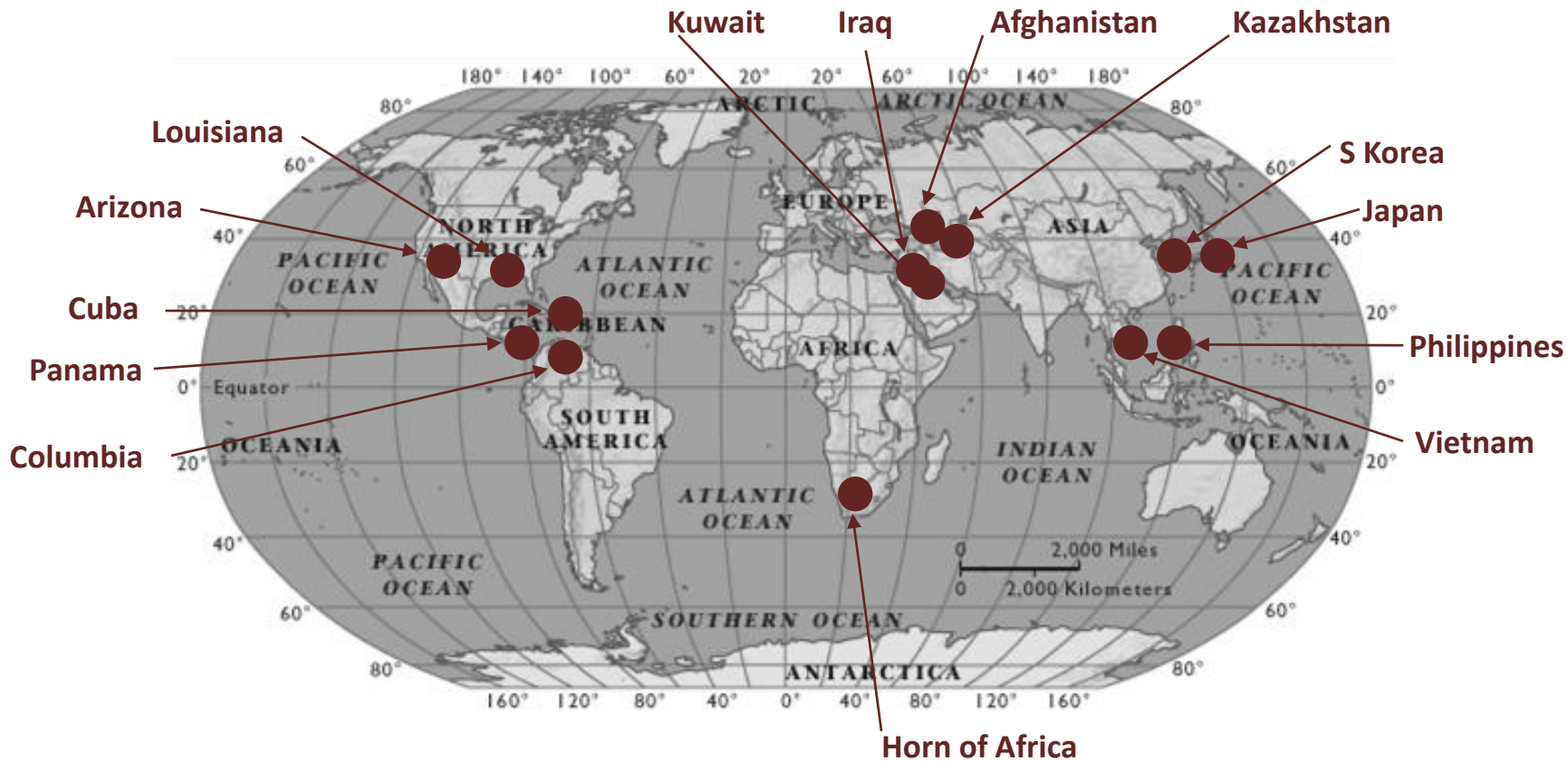
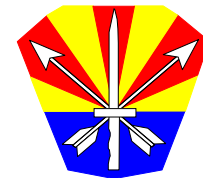


Organization





Soldier Deployments



Total Arizona National Guard Airmen & Soldiers deployed since 9/11 - >10,000

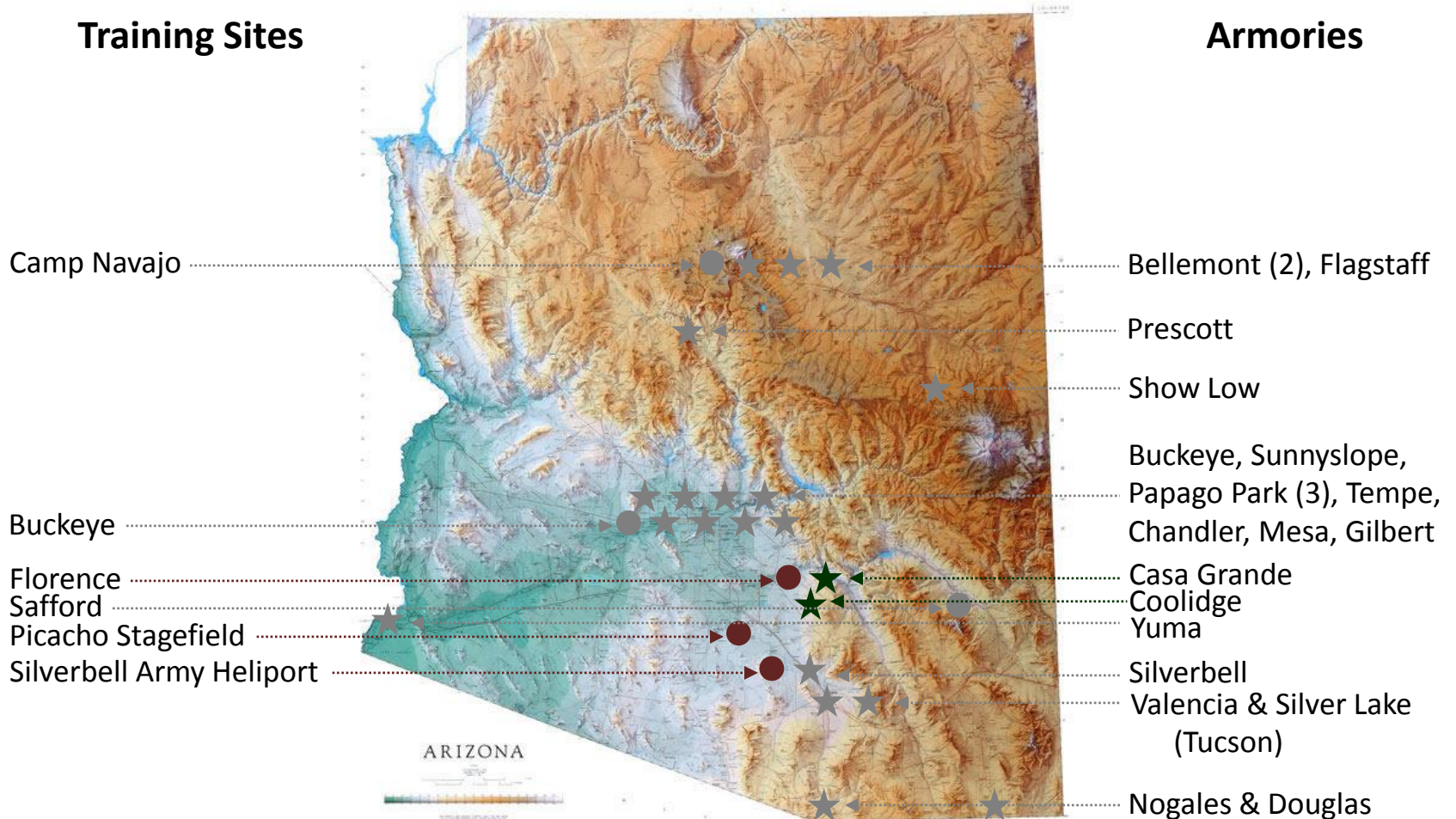


Training Sites & Armories



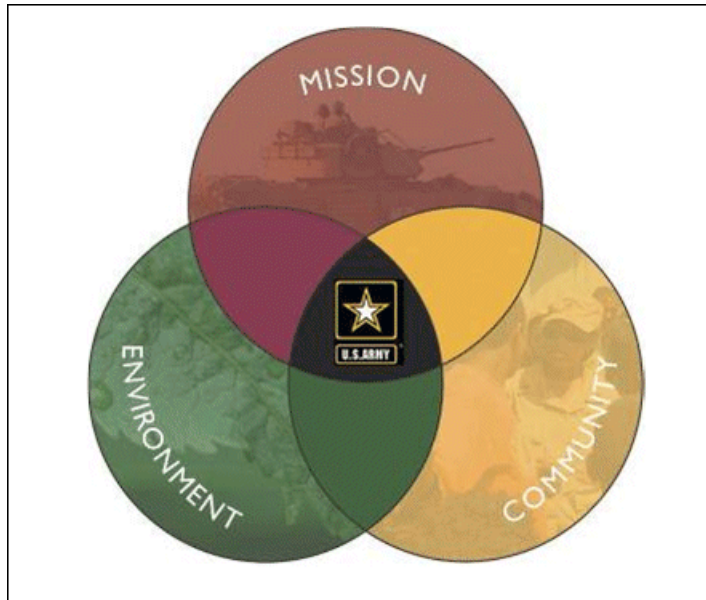
Training Sites

Armories





Sustainability Program



- Guidance:
 - EO 13423 and EO 13514
 - DOD Strategic Sustainability Performance Plan
 - Army Sustainability Campaign Plan
 - TAG Sustainability Policy





Sustainability Program



Salt River Project testing solar air conditioning with Guard.



Solar panels on Award Winning Environmental Office, AZ ARNG.

- 4 Teams
 - Infrastructure and Utilities
 - Logistics and Procurement
 - Materials Management
 - Readiness-Training Land Protection
- Possible inclusion of “Community Outreach Team”



Sustainability Program



Infrastructure and Utilities

1. 1.1 Energy Intensity of Facilities Reduced by 30% of FY 2003 Levels by FY 2015 and 37.5% by FY 2020
2. 1.2 18.3% of Energy Consumed by Facilities is Produced or Procured from Renewable Sources by FY 2020
3. 2.1 Potable Water Consumption Intensity by Facilities Reduced by 26% of FY 2007 Levels by FY 2020
4. 2.2 Industrial and Irrigation Water Consumption Reduced by 20% of FY 2010 Levels by FY 2020
5. 2.3 All Development and Redevelopment Projects of 5000 Square Feet or Greater Maintain Pre-Development Hydrology to the Maximum Extent Technically Feasible
6. 7.2 15% of Existing Buildings Conform to the Guiding Principles on High Performance and Sustainable Buildings By FY 2015, Holding Through FY 2020
7. 8.2 The Sustainability of Transportation and Energy Choices in Surrounding Areas Optimized by Coordinating with Related Regional and Local Planning



Sustainability Program



Logistics and Procurement

1. 1.3 Use of Petroleum Products by Vehicle Fleets Reduced 30% by FY 2020
2. 4.1 Greenhouse Gas Emissions from Employee Travel Reduced 7% by FY 2020 Relative to FY 2011
3. 4.2 30% of Eligible Employees Tele-working at Least Once a Week, on a Regular, Recurring Basis, by FY 2020
4. 5.1 All DOD Organizations Implementing Policies by FY 2014 to Reduce the Use of Printing Paper
5. 6.1 On-Site Releases and Off-Site Transfers of Toxic Chemicals Reduced by 15% by FY 2020, Relative to FY 2007
6. 6.2 100% of Excess or Surplus Electronic Products Disposed of in Environmentally Sound Manner



Sustainability Program



Materials Management

1. 4.3 50% of Non-Hazardous Solid Waste Diverted from Disposal in Landfills Not Owned by DOD by FY 2015 and Thereafter Through FY 2020
2. 5.2 50% of Non-Hazardous Solid Waste Diverted from Waste Stream by FY 2015 and Thereafter Through FY 2020 (for AZARNG includes Hazardous Waste)
3. 5.3 60% of Construction and Demolition Debris Diverted from the Waste Stream by FY 2015 and Thereafter Through FY 2020
4. 6.3 100% of DOD Personnel and Contractors that Apply Pesticide Properly Certified-already done
5. 8.3 All DOD Installations Have Integrated Pest Management Plans Prepared, Reviewed and Updated Annually by Pest Management Professionals-50% of plans have already been reviewed.
6. 7.1 95% of Procurement Conducted Sustainably



Sustainability Program



Readiness

1. Protect and Maintain Training Capabilities
2. Adapt For and Support Future Training Requirements
3. Provide Adequate/Appropriate Training Facilities



Sustainability Program



Successes

1. AZARNG/ASU Sustainability Partnership Workshop
2. Pinal County Partnership
3. Arizona Land and Water Trust
4. Tonto National Forest
5. SRP
6. Historic building to LEED Silver
7. ACUB Camp Navajo-Roger's Lake 2250 acres protected with partnership of 21 including: Coconino County Parks and Recreation, Arizona Game and Fish Department, US Forest Service, City of Flagstaff, The Nature Conservancy, Grand Canyon Trust and more.



Closing Remarks



- Continued growth of AZANRG Sustainability Program
- Future Partnerships



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