

United States Air Force Warfare Center

Testing - Tactics - Training

Nevada Joint Military Affairs Committee (NJMAC)

24 Feb 2011



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Commander
99th Air Base Wing**

**This Briefing is:
UNCLASSIFIED**



Overview

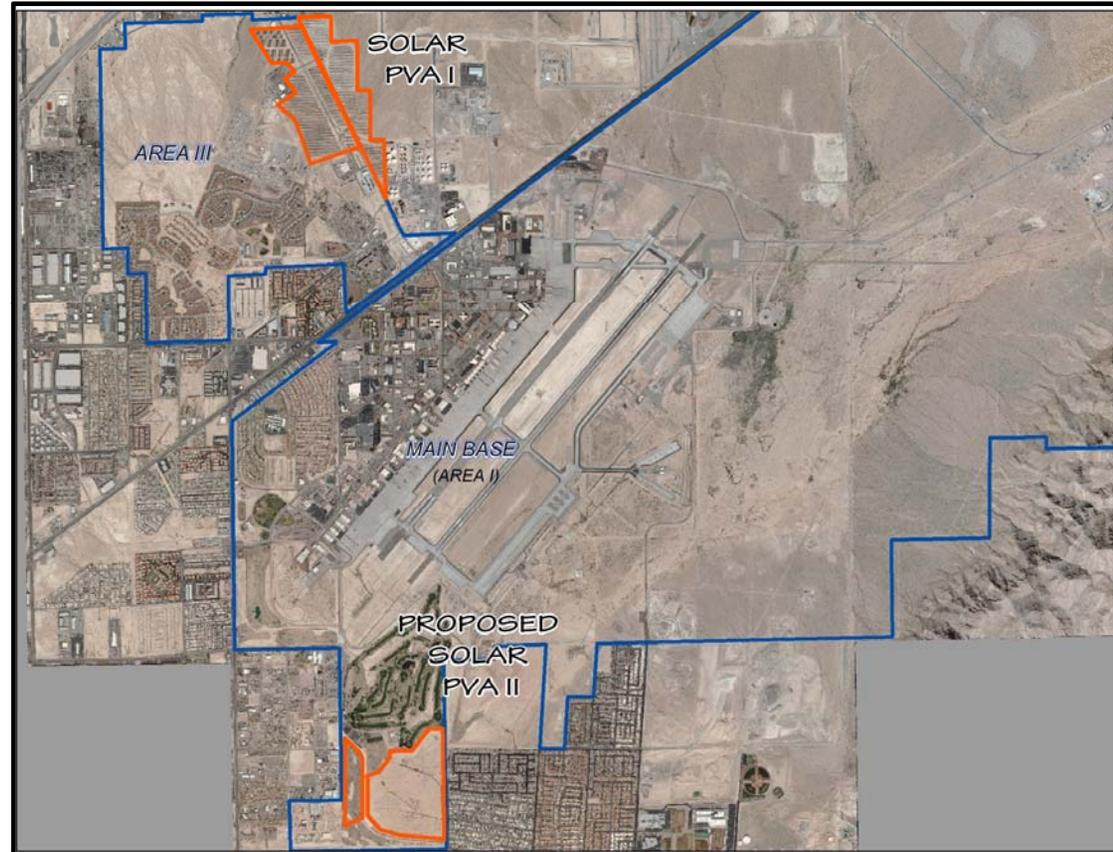
- **Nellis Solar PVA II**
- **NV State Legislation (SB 93)**
- **Jettison Hill**
- **National Defense Authorization Act**
- **BLM Solar PEIS**
- **NTTR Renewable Energy Study**



Proposed PVA II

Currently completing EIAP

- Built on capped landfill
- 13-15 MW facility: Will provide 100% daytime electrical energy w/ PVA I
- NV Energy (*sole source*)
- Anticipated groundbreaking Fall 2011



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NV Senate Bill 93

Discloses Military Activities to Cities/Counties/Public

- Enhances master planning to include military operations
- Provides disclosure to citizens and property owners
- Protects Nellis/Creech/NTTR current and future missions



Goal: Grow Compatibly with Nevada

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Why does Nellis want to Purchase a Casino ...

■ Issue

- Impact on Mission
- Overpressure damage to existing structures
- Lack of standoff

■ Risks

- VBIED inside/outside installation

■ Concerns

- VBIED mitigation
- Infrastructure protection
- Minimize manpower

■ Mitigation Considerations

- Long Term--Move Mission to North Side
- Pursue Casino purchase/lease



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Air Program Current Challenges

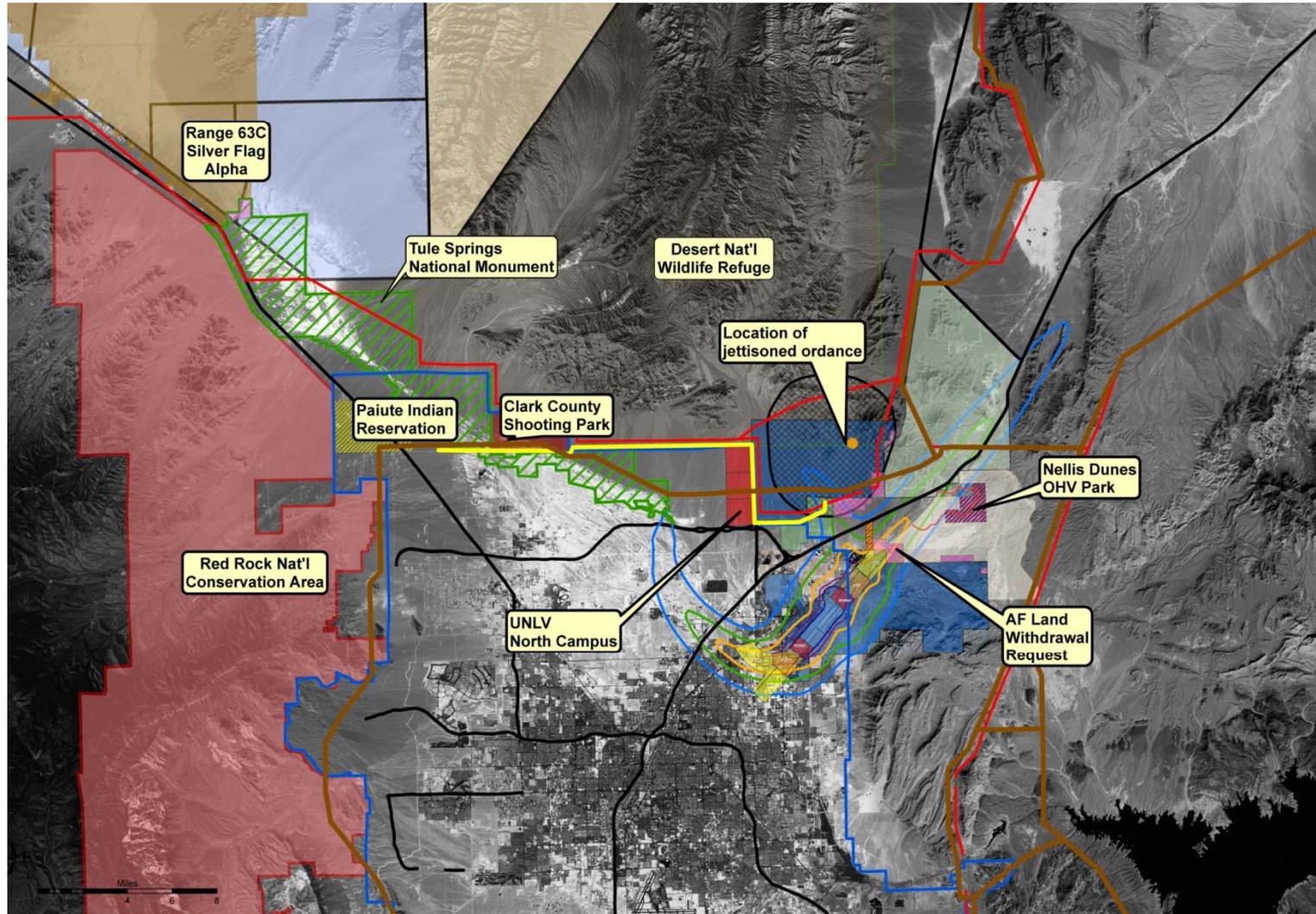
- Nellis and NTTR have Title V Permits
- Creech AFB Title V Permit – In process
 - Due to rapid growth, many new emission units have been installed (generators, boilers, etc.)
 - Lack of grid power requires generators for each new building
 - Permit required for emissions over 100 tons/yr Nox in Clark County
 - Application recently submitted





Emergency Jettison Area

“Jettison Hill”



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2011 National Defense Authorization Act (NDAA)

- **Requires DOD Energy Clearinghouse creation (180 days)**
 - Will review energy/transmission projects subject to FAA approval (generally 200 ft+, near airfield, or impacts other radar system)
 - 30 days to identify projects that pose an “unacceptable risk to national security”; DUSD approval required
 - Once identified, Congress must be notified within 30 days
 - Backlog of 180 projects are under review
 - Law also provides optional developer offset of DOD costs



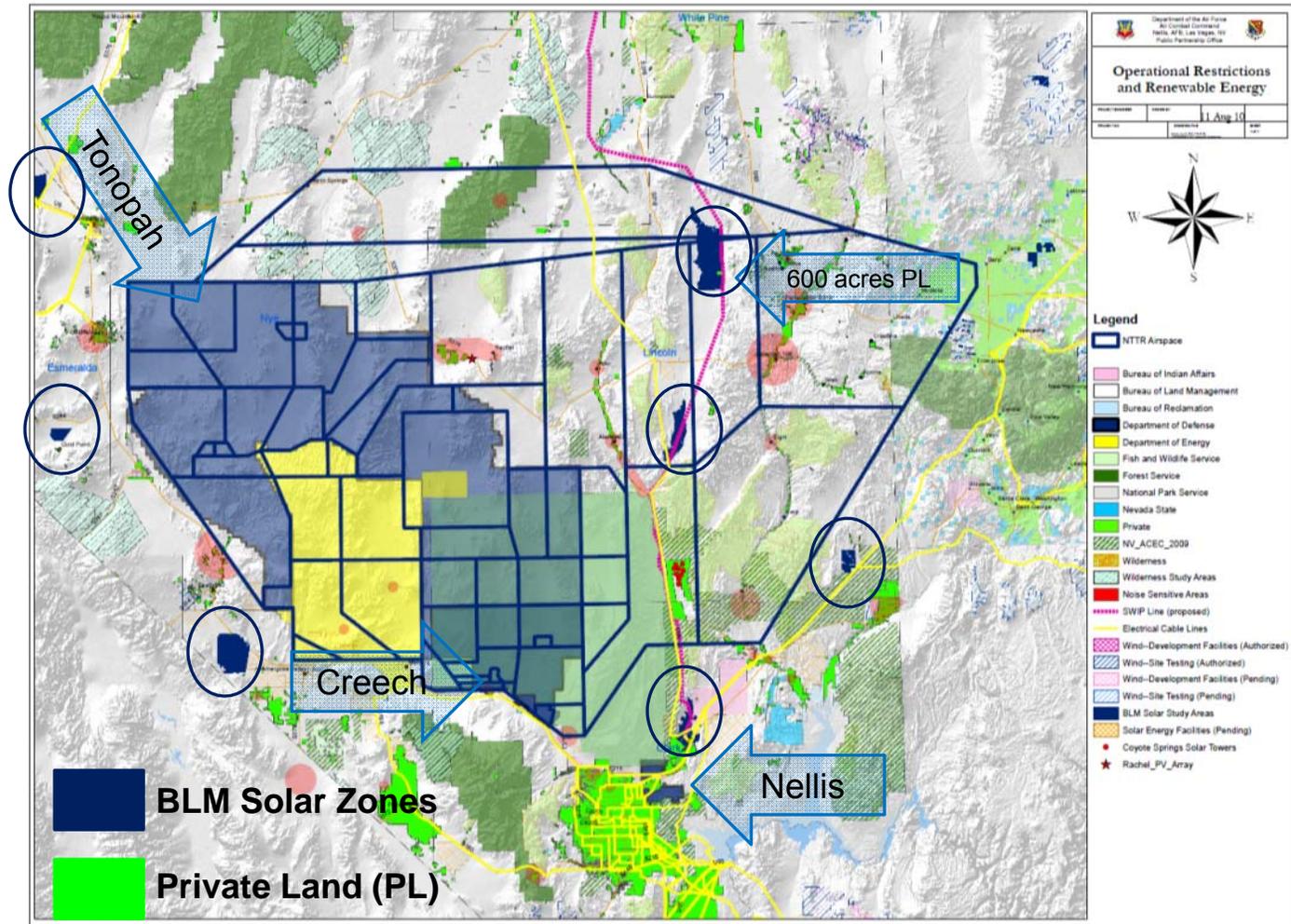
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BLM Solar Zones (Proposed)

BLM Preferred Alternative:

- Establishes Solar Energy Zones (SEZs) while also accepting applications for solar development on additional BLM land (Per PEIS Executive Summary.)
- Does the BLM preferred alternative permit solar development in areas outside designated SEZs?



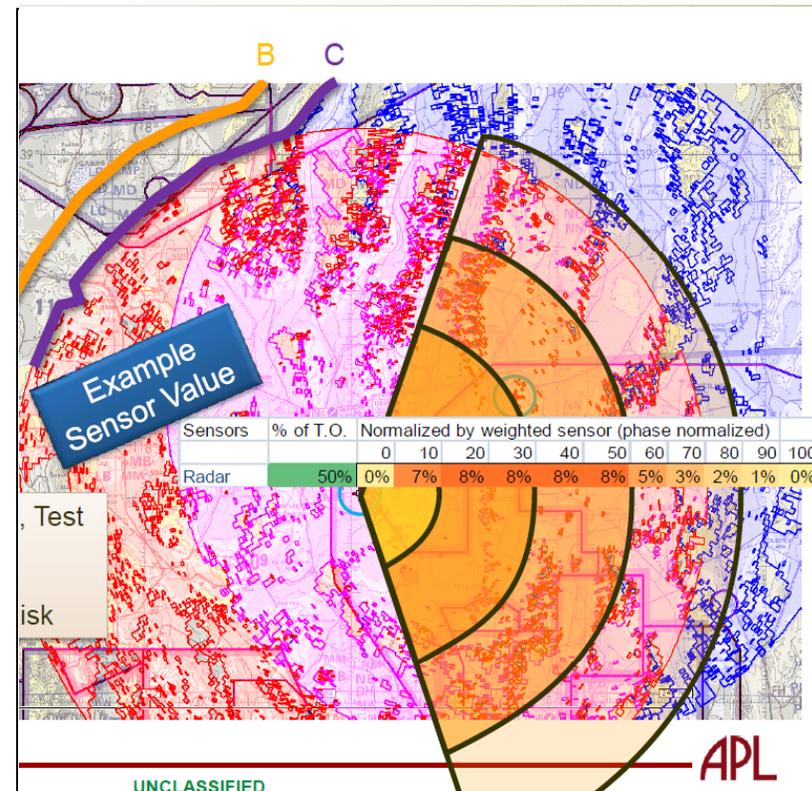
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NTTR Renewable Energy Impacts Study

Air Force Renewable Energy Impacts Study

- Air Force funded effort
- Evaluates multiple systems
- Ties technical interactions with operational impacts
- Data will be extrapolated to assess other missions



Questions

