Ms. Heidi Shyu: “The Army must focus more on technological battlefields where the Army will not enjoy uncontested aerial environments. The Army will face enemies with missile fleets, cyber attack capabilities and the ability to shoot down U.S. drones.”

“There [are] countries that have a lot of missiles, so our air/missile defense becomes more important.”
**Bottom Line Up Front**

*WSMR is uniquely positioned to respond to emerging threats*

- National asset with unique terrain, airspace, and the ability to control the frequency domain
- World class Instrumentation and Instrumentation development capability
- Unique ability to replicate theatre environment for operational realism
- A Tri-Service range installation regionally partnered with Bliss and HAFB

**Routinely Conduct Nationally/ Globally Important Missions**

**Jaded Thunder**

**MOP**

**Integrated Air Defense**

**NIE**
A National Treasure

- White Sands has Full Authority of FAA
- FAA Certified Control Center Manned

Stable / Mild Climate

<table>
<thead>
<tr>
<th></th>
<th>Winter High</th>
<th>Winter Low</th>
<th>Summer High</th>
<th>Summer Low</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avg. Temp</td>
<td>61°F</td>
<td>36°F</td>
<td>92°F</td>
<td>69°F</td>
</tr>
</tbody>
</table>

Dry / Clear Atmosphere

- Avg. RH- 42%
- Avg. Rainfall 11.7""
White Sands Missile Range

Annual Economic Impact

- Payroll & Contracts $781.9 million
- Construction Contracts $ 40.5 million
- Utilities $ 11.2 million

- Total Full Time Personnel – 10184
- Total number of Transient Personnel – 10018

- Total Economic Impact - $834 Million

About $2.3 million per day

WSMR is a reimbursable range
White Sands Missile Range Mission Impacts From Current Proposed SunZia Power Line Routing
The Army and the Department of Defense are very supportive of renewable and alternative energy. The DoD has defined renewable energy mandates that each Service must achieve to reduce our overall reliance on carbon fuels. WSMR is actively working towards these mandates and has recently activated the Army’s largest LCPV Solar Array. WSMR strongly supports Sunzilia and NM’s desire for renewable energy development.

WSMR, Army, and OSD want to ensure the Sunzilia project is located in the best location to minimize the impact to all stakeholders.
Iran plans to unveil cruise missile, dismisses U.S. deployment of air defense shield in region

TEHRAN, Sept. 9 (Xinhua) -- Iran's Defense Ministry announced on Sunday it will unveil a new cruise missile, dismissing U.S. deployment of air defense shield in the region.

Deputy Defense Minister and head of the ministry's Aerospace Organization General Mehdi Farahi said Sunday that his ministry plans to unveil a highly advanced cruise missile, the semi-official Fars news agency reported.

"God willing, Meshkat (Lantern) cruise missile with a range of 2,000 km will be unveiled in the near future," Farahi told Fars.

"Meshkat Cruise Missile can be fired from land, air and sea," Farahi was quoted as saying.

According to the report, Iran's former cruise missile can travel a distance of no more than 300 km.
WSMR is the only range capable of providing the necessary environment to develop and test these programs
The Cruise Missile Engagement Sequence is very distance/timeline dependent and requires all of WSMR & the Northern Extension Area.
The threat cruise missile flies low on the deck at very fast speeds.

The green shaded area represents a ground radar located to the south – the threat is shielded by the mountains and can not be detected.
Elevated sensors are needed to track threats at long ranges that are outside the coverage of a ground or sea radar.

Threats that are flying at ground level are in a clutter environment making them hard to detect and maintain track….which is the purpose of these type of tests!
This image shows a representation of the SunZia transmission line along BLM’s Modified Preferred Alternative Route.

The red shaded area represents a standard 500 foot protection buffer around critical infrastructure. Targets would have to fly above this buffer.
A target flying over the transmission line and buffer and will be out of the ground clutter
• more detectable by airborne sensors
• invalidates test objectives

This distance out of the ground clutter will vary from 3-5 miles depending on speed and type of the target.
Summary

Service Programs have increasing requirements in the Northern Extension Area

These Programs are currently planning scenarios that further stress system performance at low altitudes and longer ranges.

The Northern Extension Area uniquely provides the correct terrain to stress these systems.

There still exists a win-win route in the state along existing utility corridors and highways that will minimally impact the NM Cooperating Agencies.
WSMR has increasing test requirements to support DoD’s integrated system of system testing

Joint Air and Missile Defense Architecture

RECOMMENDATION
Working together we can still find the win – win solution in the state