

SANTA FE COUNTY RESOLUTION

NO. 2015-166

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**A RESOLUTION TO SUPPORT THE NEW MEXICO ASSOCIATION OF COUNTIES'  
RESOLUTION TO SUPPORT FUNDING FOR THE  
NEW MEXICO 3D ELEVATION PROGRAM (3DEP) TO DEVELOP LIGHT  
DETECTION AND RANGING TECHNOLOGY (LiDAR)**

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**WHEREAS**, New Mexico's increasing key geospatial data needs must be met with high-quality, high-resolution, and current elevation data to support asset, resource and water management, wildfire and flood hazard response and mitigation, infrastructure and project planning and development, and a multitude of other state and local programs and initiatives;

**WHEREAS**, most of New Mexico's current elevation data are more than 40 years old at a spatial resolution of 10 meters and with vertical accuracies ranging from 1 or 2 meters to 40 meters or worse;

**WHEREAS**, current Light Detection and Ranging (LiDAR) technology can easily produce elevation data sets over large areas at one meter spatial resolution with vertical accuracies in the range of 10cm (3.94 inches);

**WHEREAS**, the New Mexico Geospatial Advisory Committee through its Elevation Data Planning/Acquisition Subcommittee has not only escalated the State's priority in the National 3D Elevation Program (3DEP) but also been awarded a first funding year grant based on the Subcommittee's Statewide LiDAR Acquisition Plan; and

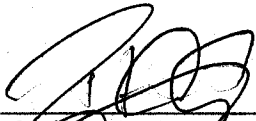
**WHEREAS**, the New Mexico Association of Counties supports legislation that would allocate funding over a five year period to be used in collaboration with other federal, local and tribal funds to match federal funding from the National 3D Elevation Program (3DEP). Proposed funding level would be \$2.5 million dollars per fiscal year over five consecutive fiscal years.

**NOW THEREFORE BE IT RESOLVED** that the Board of County Commissioners of Santa Fe County supports the above stated New Mexico Association of Counties resolution.

SFC CLERK RECORDED 12/04/2015

PASSED, APPROVED, AND ADOPTED ON THIS 24<sup>th</sup> DAY OF NOVEMBER, 2015

THE BOARD OF COUNTY COMMISSIONERS OF SANTA FE COUNTY

  
\_\_\_\_\_  
Robert A. Anaya, Chair

ATTEST:

APPROVED AS TO FORM:

  
\_\_\_\_\_  
Geraldine Salazar, County Clerk

  
\_\_\_\_\_  
for: Gregory S. Shaffer, County Attorney



BCC RESOLUTIONS  
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COUNTY OF SANTA FE )  
STATE OF NEW MEXICO ) ss

I Hereby Certify That This Instrument Was Filed for  
Record On The 4TH Day Of December, 2015 at 03:33:34 PM  
And Was Duly Recorded as Instrument # 1781029  
Of The Records Of Santa Fe County

Witness My Hand And Seal Of Office  
Geraldine Salazar

Deputy  County Clerk, Santa Fe, NM

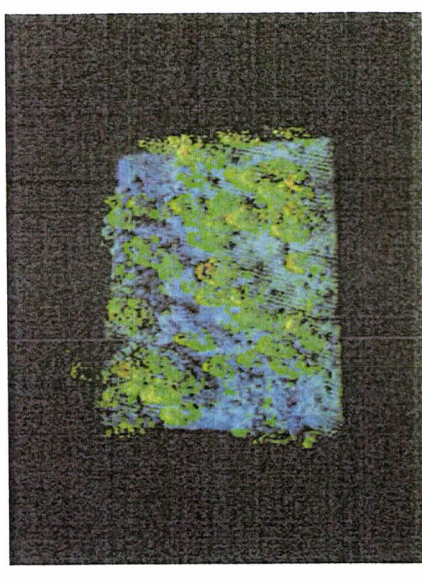


SFC CLERK RECORDED 12/04/2015

## Value to New Mexico from Enhanced Elevation Data (QL2 Lidar Data)

- New Mexico's Greatest Concern: **WATER**  
watershed, drainage, runoff, drinking water, irrigation, flooding, floodplain, evaporation, water resource protection and delivery ...
- Economic Development and Tourism
- Wildfire and Urban Impacts  
flood hazard/risk, emergency response/mitigation, fuel load, access, recovery ...
- Transportation and Utility Corridors
- Urban Growth and Planning
- Forest Management  
restoration, thinning to increase water yield, post-fire mass wasting ...
- Energy Development  
oil and gas, solar, wind
- Homeland Security and Defense  
military installations, national laboratories, WIPP, 200-mi border with Mexico
- Tribal Lands
- Agricultural Demands  
irrigation, grazing, dryland farming ...

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LiDAR over Coconino Forest from NAU

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