

# Multi-scale 4-Corners Verification Test-bed using LANL's Science of Signatures Pillar Capability



- Ideal site in our back-yard with 2 large power plants of distinctively different emissions profiles in an isolated semi-arid locale with a feeble natural carbon cycle and real time stack emissions.
- Multi-scale observations (*in situ*, ground, satellite) and modeling (forward and inverse) with uncertainty quantification.
- Evaluate verification S&T at calibrated site

**CO<sub>2</sub> (29 Mtons/year, 0.1 Mtons/day)**

**NO<sub>x</sub> (79 Ktons/year, 0.2 Ktons/day)**

UNCLASSIFIED

