

# COLLABORATIVE DRILL RIG 1-HOUR NO<sub>2</sub> IMPACTS STUDY

**Tom Moore - WRAP/WESTAR**

April 2014 status

Study between BLM, EPA, States, other FLMs and the Oil and Gas Industry to better predict 1-hour NO<sub>2</sub> impacts from drill rigs through a field study and data analysis:

## **Monitoring**

NO<sub>2</sub> concentrations at multiple locations near operating drill rigs  
Meteorological conditions (i.e. – met stations)

## **Measuring**

Drill rig emissions (i.e. – stack testing)

## **Modeling**

Model using data from monitoring and measurements

# STUDY OBJECTIVES & NEXT STEPS

---

- Data Gathering
  - Better emissions and impact data to inform O&G production NEPA & other air quality analyses
- Oil & Gas Drill Rig Impact data
  - Monitored and modeled impacts
- 1-hour NO<sub>2</sub> Modeling
  - Develop more accurate methodology for drill rig emission impacts
- Workplan development
  - Convene EPA, FLMs, industry, states to discuss concept and collaboration—March-April 2014
  - Field study design development—March -May 2014
  - Field data collection—May-September 2014
    - Alaska Field Study – starts May
    - Denver-Julesburg Basin – align with FRAPPÉ Study period
    - Other locations – Greater Green River Basin, possible Great Plains region as well
  - Data analysis, model evaluation, reporting—September 2014-February 2015