OVERVIEW OF 2014 O&G EMISSIONS DATA

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OUTLINE

• Overview
• Unita Basin, Utah
• Tribal Sources
• Emission Trends
• Greater San Juan and Permian Basin future year inventory
OVERVIEW

• 2014 emission inventories completed
  • Greater San Juan (CO, NM) and Permian (NM)
    • Final report, inventory spreadsheets: https://www.wrapair2.org/SanJuanPermian.aspx
  • Other Intermountain West Basins
• Draft Emissions
  • Based on 2014 NEI

• Final Emissions
  • Incorporate 2014 Air Agencies Oil and Gas Emission Inventory (Duchesne and Uinta Counties)
  • Based on 2014 NEI for other counties

• Additional Note
  • 2014 Air Agencies Oil and Gas Emission Inventory wastewater pond emissions revised after development of Final IWDW inventory
  • Updated 2014 Air Agencies Oil and Gas Emission Inventory wastewater pond emissions will need to be swapped in for any future modeling
TRIBAL SOURCES

- SUIT emission inventory is the basis of nonpoint emissions in Colorado portion of Greater San Juan Basin
- Uinta Basin 2014 Air Agencies Oil and Gas Emission Inventory includes tribal emissions (“Reservation or Indian Country”)
- Other tribal areas
  - Nonpoint sources: Emissions allocated to tribal areas based on the fraction of O&G activity surrogate in a given county on tribal land
  - Point sources: Based on 2014 NEI and/or data submitted by EPA Region 6/8/9
    - Includes major Part 70 or Part 71 and minor Tribal MNSR midstream facilities
O&G PRODUCTION TRENDS

2008-2014 Oil Production Emission Trends for Intermountain West O&G Basins

2008-2014 Gas Production Emission Trends for Intermountain West O&G Basins
O&G EMISSION INVENTORY TRENDS

2008-2014 NOx Emission Trends for Intermountain West O&G Basins

- Denver
- Piceance
- Paradox
- Raton
- Uinta
- Williston
- Great Plains
- Big Horn
- Wind River
- Green River
- GtR San Juan
- Permian

Emissions (tons/year)

2008 2011 2014

2008-2014 Active Well Count Emission Trends for Intermountain West O&G Basins

- Denver
- Piceance
- Paradox
- Raton
- Uinta
- Williston
- Great Plains
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- GtR San Juan
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Active Wells (no. of wells)

2008 2011 2014

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12 DECEMBER 2017
O&G EMISSION INVENTORY TRENDS

2008-2014 VOC Emission Trends for Intermountain West O&G Basins

2008-2014 Active Well Count Emission Trends for Intermountain West O&G Basins

OVERVIEW OF 2014 O&G EMISSIONS DATA
12 DECEMBER 2017
GREATER SAN JUAN AND PERMIAN BASINS FUTURE YEAR FORECAST

- Expected completion of Draft Report mid-January 2018
- Expected completion of final report in February 2018
QUESTIONS?
## BASIS OF EMISSIONS: NONPOINT SOURCES

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