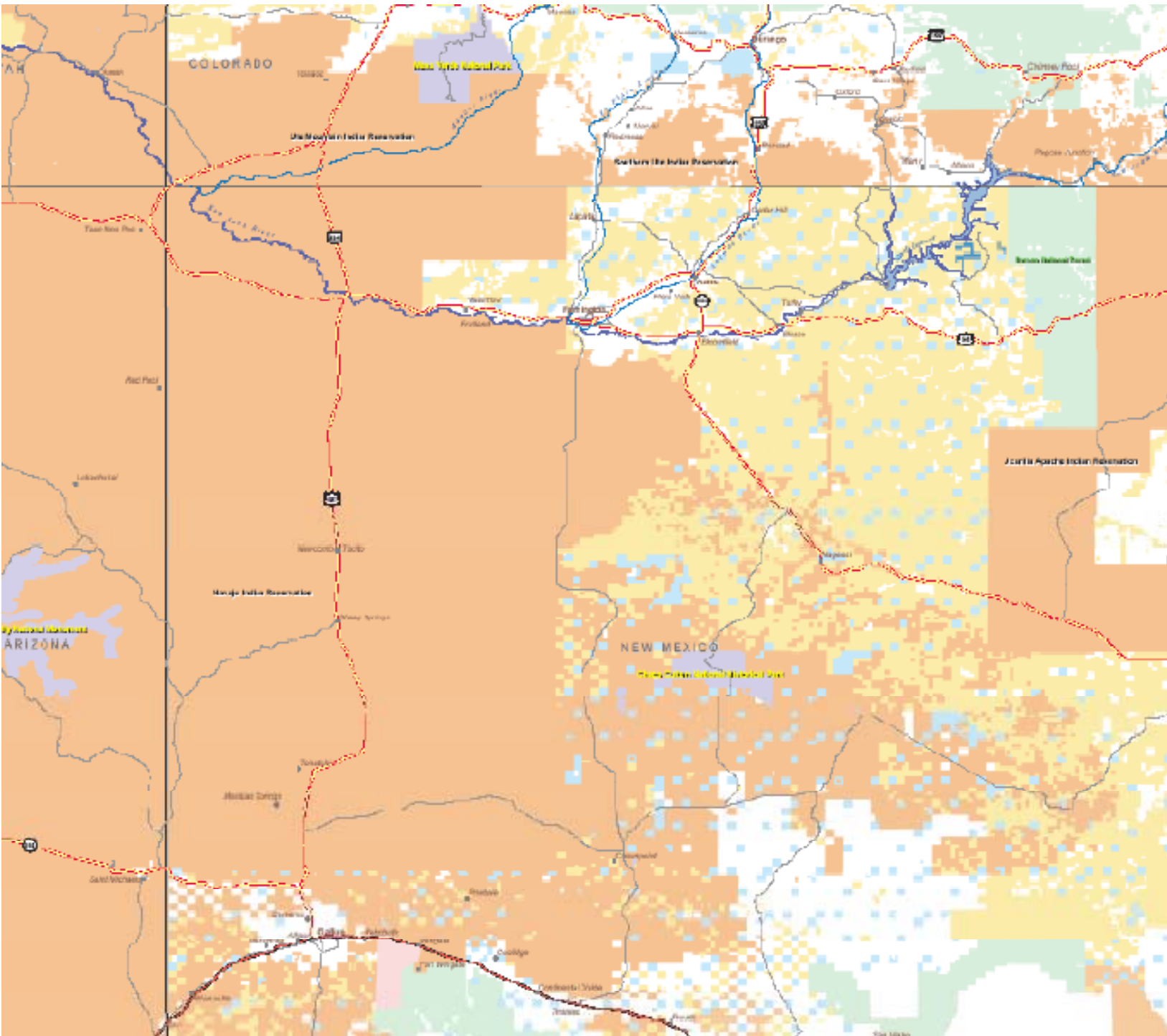




Four Corners  
Air Quality Task Force

in the Four Corners

U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT  
Farmington District Office



**Surface Ownership**

- Bureau of Land Ma
- Bureau of Reclama
- Dept. of Defense
- Forest Service
- Fish & Wildlife Ser
- Tribal
- National Park Serv
- Private
- State
- State Game & Fish
- State Park

**Road Classification**

- Limited Access Hig
- Highway
- Local Roads



# 4 CORNERS BACKGROUND

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- Arizona, Colorado, New Mexico and Utah
- San Juan Oil & Gas Basin produces 3 bft<sup>3</sup> natural gas daily (1.0 trillion ft<sup>3</sup> annually)
- 6% of US Natural Gas production
- California's largest source of natural gas
- 17.6 million TPY coal mined
- Expansive untapped coal, oil and gas reserves
- 7 Class I areas within 250 km



# Energy Generation

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- 3840 megawatts of existing coal fired power
- Proposed 1500 MW coal fired power plant-DREF
- Economic pressure to develop resource
- Active environmental community



# 2002 Power Plant Inventory

Source	NOx (tpy)	SO <sub>2</sub> (tpy)	PM (tpy)	CO <sub>2</sub> (tpy)	Hg (lbs/yr)
SJGS 1798 MW	26,844	<b>16,374</b>	673	13,122,295	<b>766</b>
Four Corners 2040 MW	<b>42,000</b>	12,500	<b>1187</b>	<b>15,560,832</b>	575
<b>Total</b>	68,844	28,874	1,860	28,683,127	1,341



# Oil and Gas

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- 19,000 existing Oil and Gas Wells
- 12,000 projected for next 20 years
- Aggregation of O&G sources
- Many small unregulated sources
- Multiple Operators
- Changing Field Conditions



# 2002 Oil and Gas Inventory

Category	NOx (tpy)	VOC (tpy)
RICE	<b>27,321</b>	3,060
Drill Rig	1,200	29
Gas Wells	6,200	<b>105,000</b>
Oil Wells	209	982



# Regional Air Quality Issues

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- Haze and reduced visibility
- Elevated ozone levels
- Greenhouse gas emissions & Climate Change
- Mercury and nitrate deposition in lakes and nearby National Parks from power plants
- Increased emissions from mobile and non-road sources

# Four Corners Air Quality Task Force

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- Convened by States of Colorado and New Mexico to study all air quality issues in the Four Corners Region and develop a broad list of mitigation options by December 2007
- Membership is made up of community members, local government, industry, tribes, state and federal agencies



# Next steps for Regulatory Agencies

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- Have reviewed and prioritized implementation of 4CAQTF Mitigation Options
- Regional planning efforts will shape permit requirements
- Early stages of planning for regulatory and statutory changes necessary
- Reconvening of the 4CAQTF for progress update: August 20 from 1-6 pm in Farmington



QUESTIONS?

