

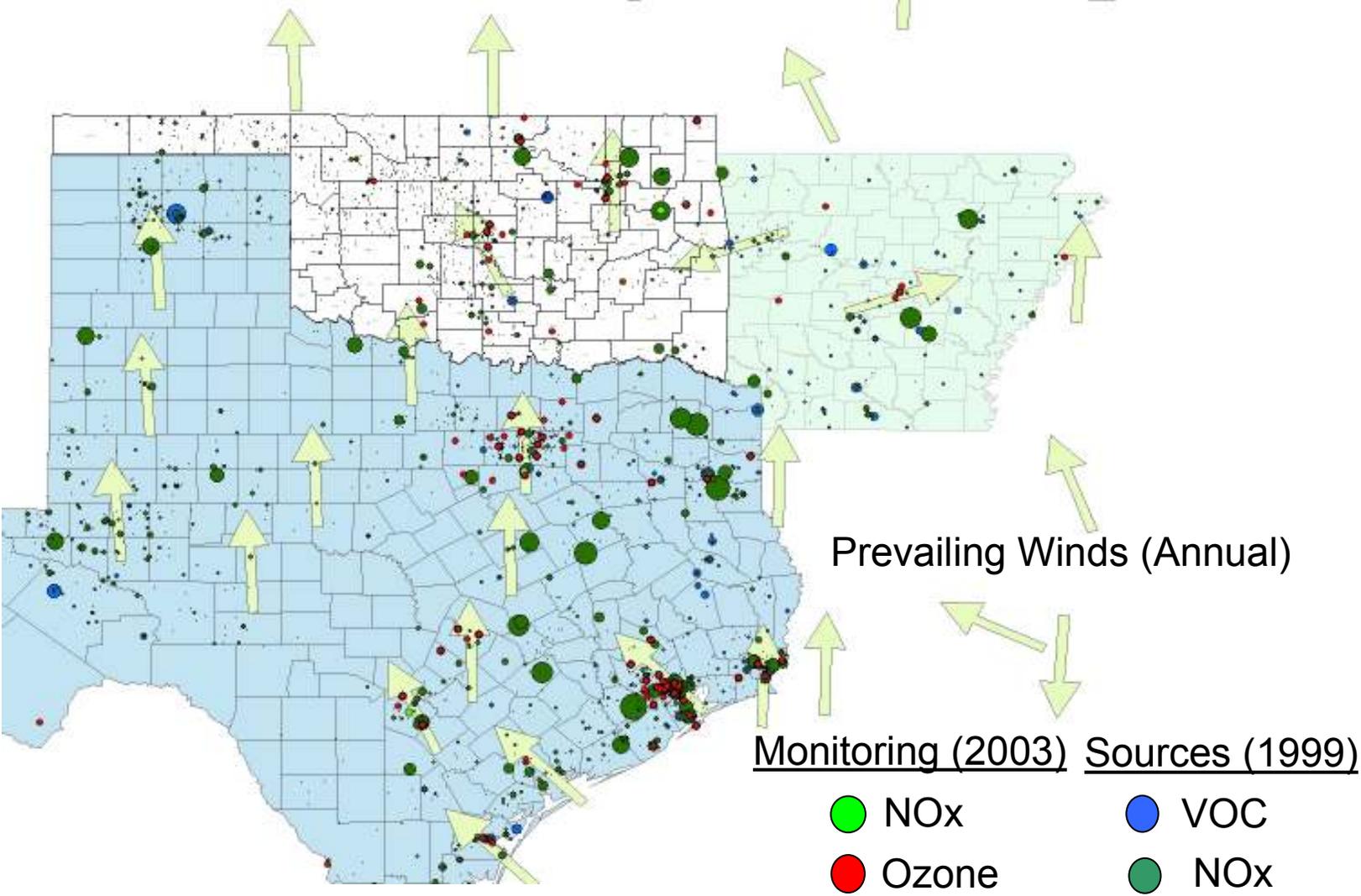
Why Tribal Authority?

Glenn Gehring, Office of Air Quality
Department of Science and Engineering
Confederated Tribes of the Umatilla Indian Reservation

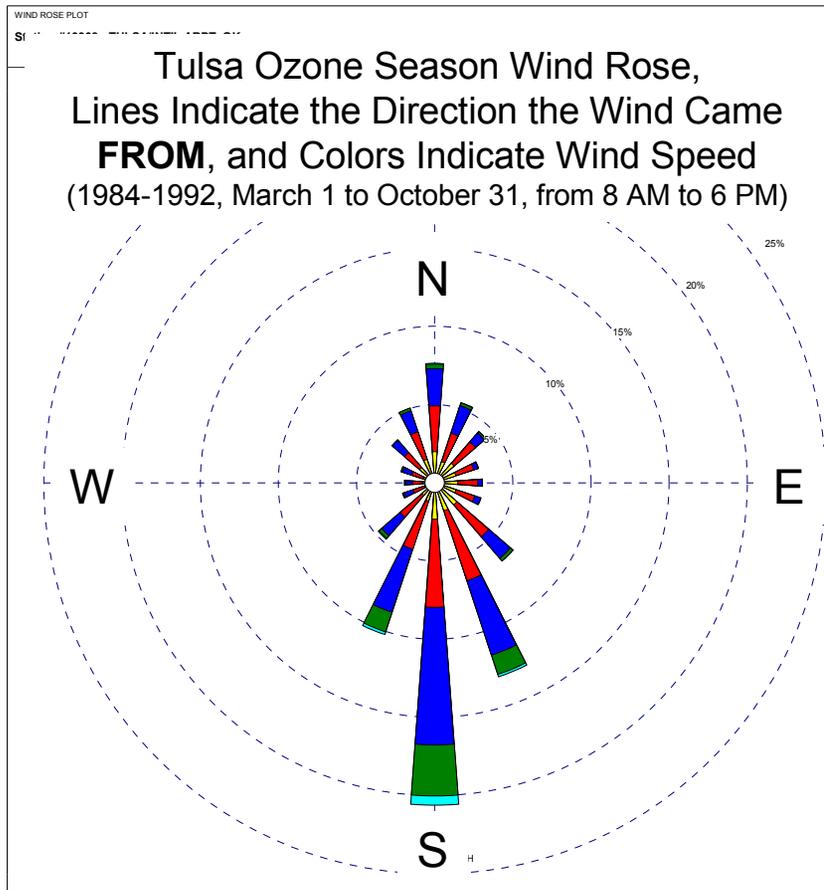
Give me an example

NOx & VOC Sources, Ozone Precursors

Emission Source Symbols are Proportional, Larger Dots Emit More

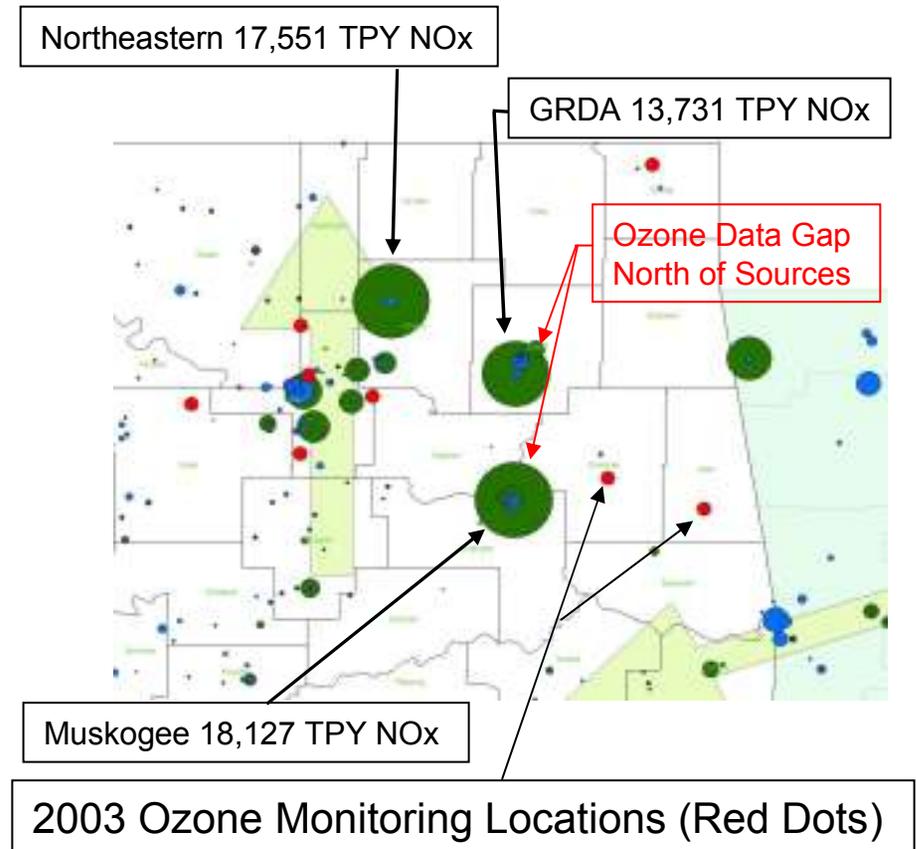


Most Relevant Winds for Ozone



NE Oklahoma Coal-Fired Power Plant NOx Emissions

Source: EPA AirData (1999 EI)



26.5% of Oklahoma facility NOx emissions are from Muskogee, Mayes and Rogers Counties (1999)

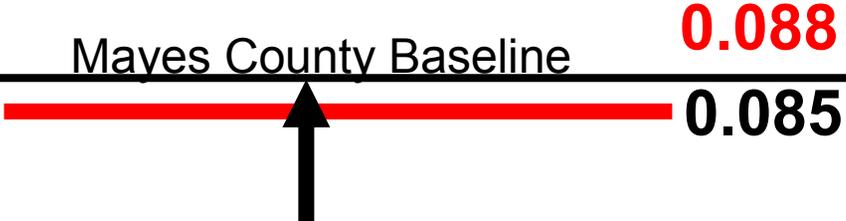
22.9% of Oklahoma facility NOx emissions are from three NE Oklahoma coal-fired power plants (1999)

GRDA Coal-Fired Power Plant & MidAmerica Industrial Park



Mayes County ODEQ Ozone Monitoring (1998 Only)

	<u>1st Max</u>	<u>2nd Max</u>	<u>3rd Max</u>	<u>4th Max</u>
1-Hour	0.140	0.106	0.099	0.099
8-Hour	0.117	0.094	0.088	0.088
NAAQS:	0.125	Mayes County Baseline		0.085



Chouteau Power Plant (New)

Located in MidAmerica Industrial Park, Mayes County



NOx	794.91	TPY
CO	544.03	TPY
VOC	47.24	TPY
SO ₂	8.42	TPY
PM	61.59	TPY
NH ₃	158.91	TPY
Formaldehyde	11.105	TPY
Sulfuric acid	1.225	TPY
Total HAPs	16.602	TPY

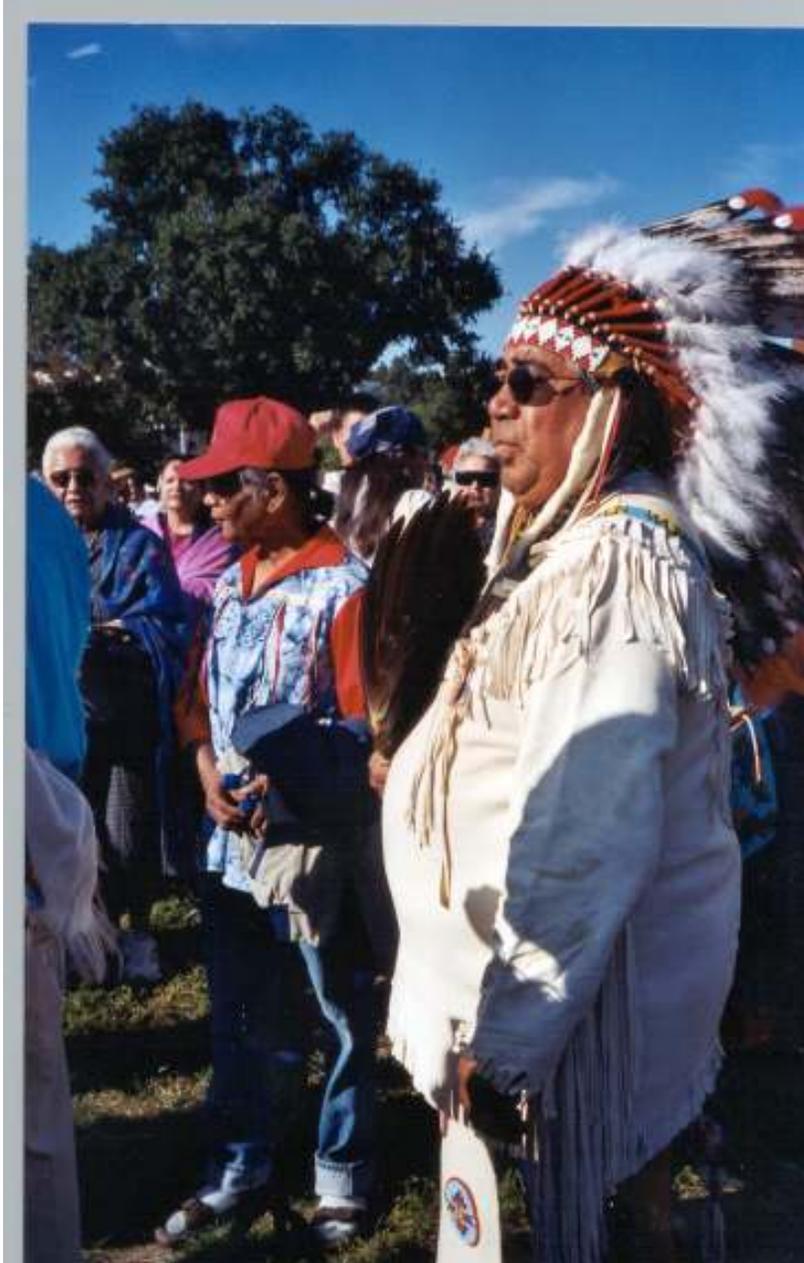
Emissions Source: Permit Application, ODEQ

Cherokee Heights Near MidAmerica Industrial Park

An Elder's call about : "a strange
green haze"

A mother's visit: "My kids never had
breathing problems before we
moved here"

Who speaks for us?



Who speaks for our future?