

Integrating Transportation & Air Quality

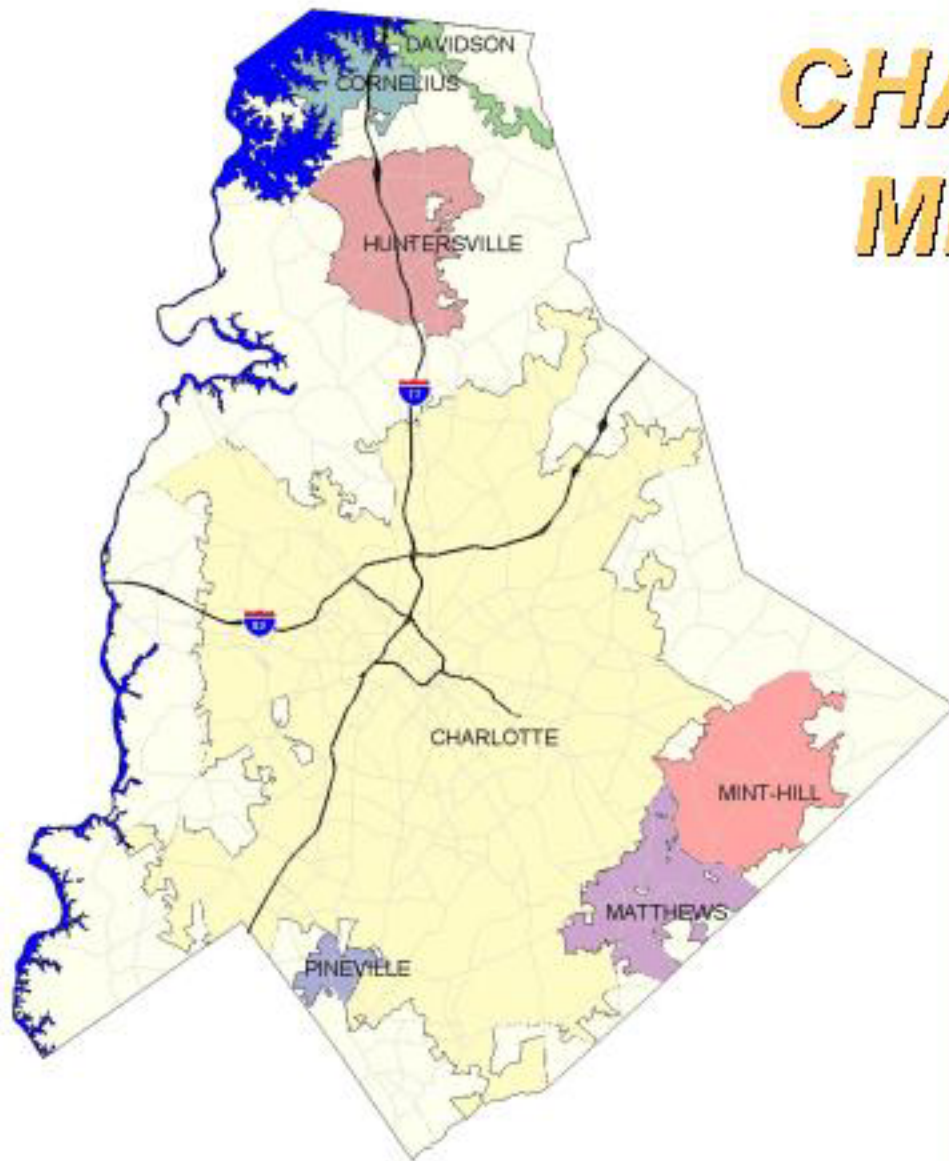
October 29, 2001

Smart Growth & Alternative Land Use

Don Willard

Mecklenburg County Environmental Protection

CHARLOTTE / MECKLENBURG NC



One major city

Six smaller municipalities

County population: 600k +

All with land use authority

The Charlotte Observer

www.charlotte.com

SATURDAY, JUNE 3, 2000

METRO EDITION

Ch

Pollution Thursday

How pollute
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CODE PURPLE

CHARLOTTE/MECKLENBURG

EDITORIALS

Bad air

The problem is real and the solution is difficult

Here's what we know: The air we breathe is getting worse. On June 1, Charlotte had the worst air in the country. It is so bad some summer days that it sends people with re-

North Carolina Finishing Row. To date, all polluters in the state in 1995 were all coal-fired power plants.

What can be done? The state has...

2001 - 13 dirty air days

2000 - 20 dirty air days

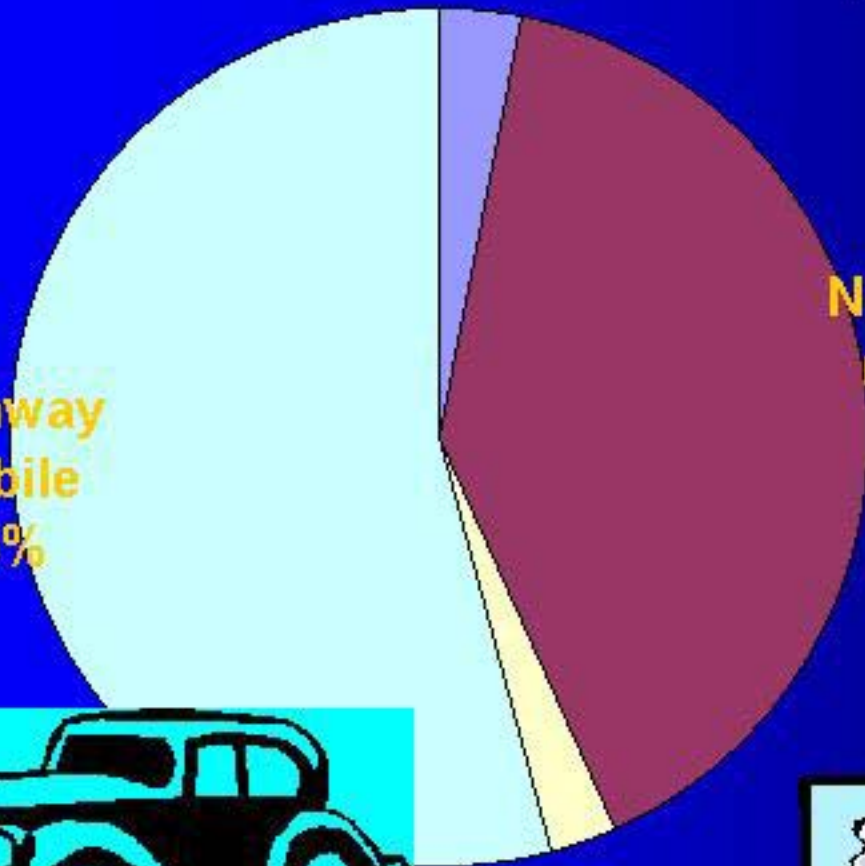
1999 - 34 dirty air days

1998 - 48 dirty air days

Mecklenburg County NOx Emissions



Area
Source
3%



Highway
Mobile
55%



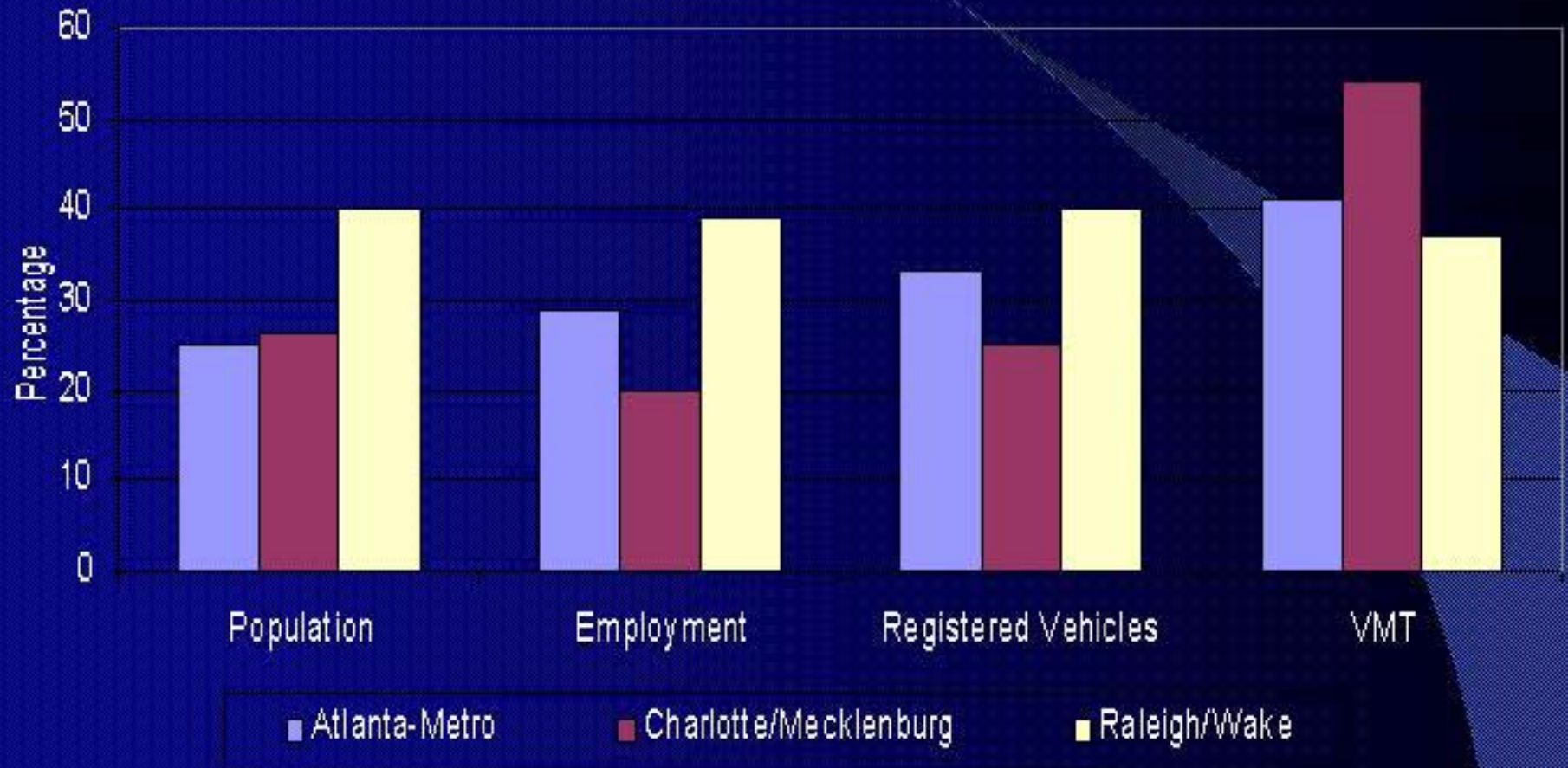
Non-road
mobile
40%



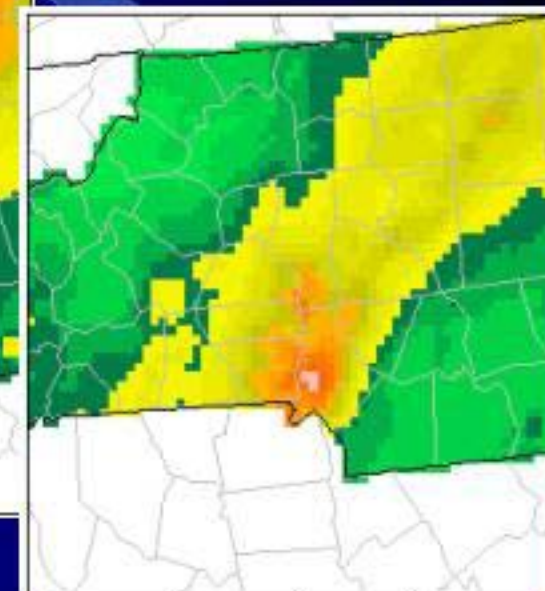
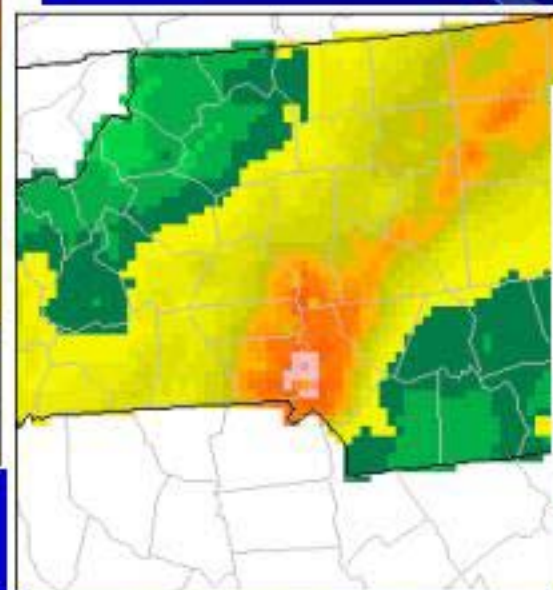
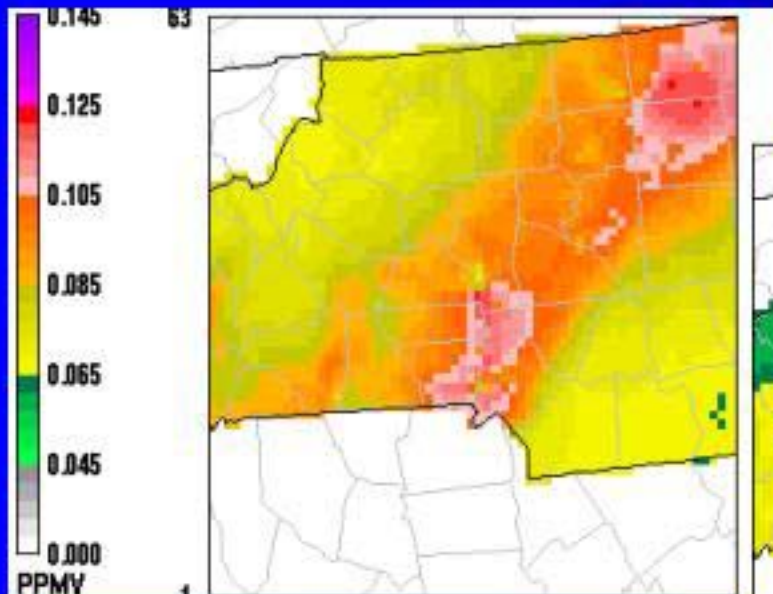
Point
2%



Ten Year Growth Rates



Ozone Modeling Results



| | 7/13/95 | 7/14/95 | 7/15/95 |
|--------|---------|---------|---------|
| Green | 28 | 333 | 200 |
| Yellow | 1700 | 1285 | 1520 |
| Orange | 853 | 833 | 686 |
| Red | 11 | 161 | 186 |

Current₉₅

| | 7/13/95 | 7/14/95 | 7/15/95 |
|--------|---------|---------|---------|
| Green | 1104 | 1145 | 1148 |
| Yellow | 1364 | 1028 | 1294 |
| Orange | 124 | 400 | 150 |
| Red | 0 | 19 | 0 |

2007

| | 7/13/95 | 7/14/95 | 7/15/95 |
|--------|---------|---------|---------|
| Green | 1671 | 1612 | 1876 |
| Yellow | 892 | 840 | 710 |
| Orange | 29 | 137 | 6 |
| Red | 0 | 3 | 0 |

2015

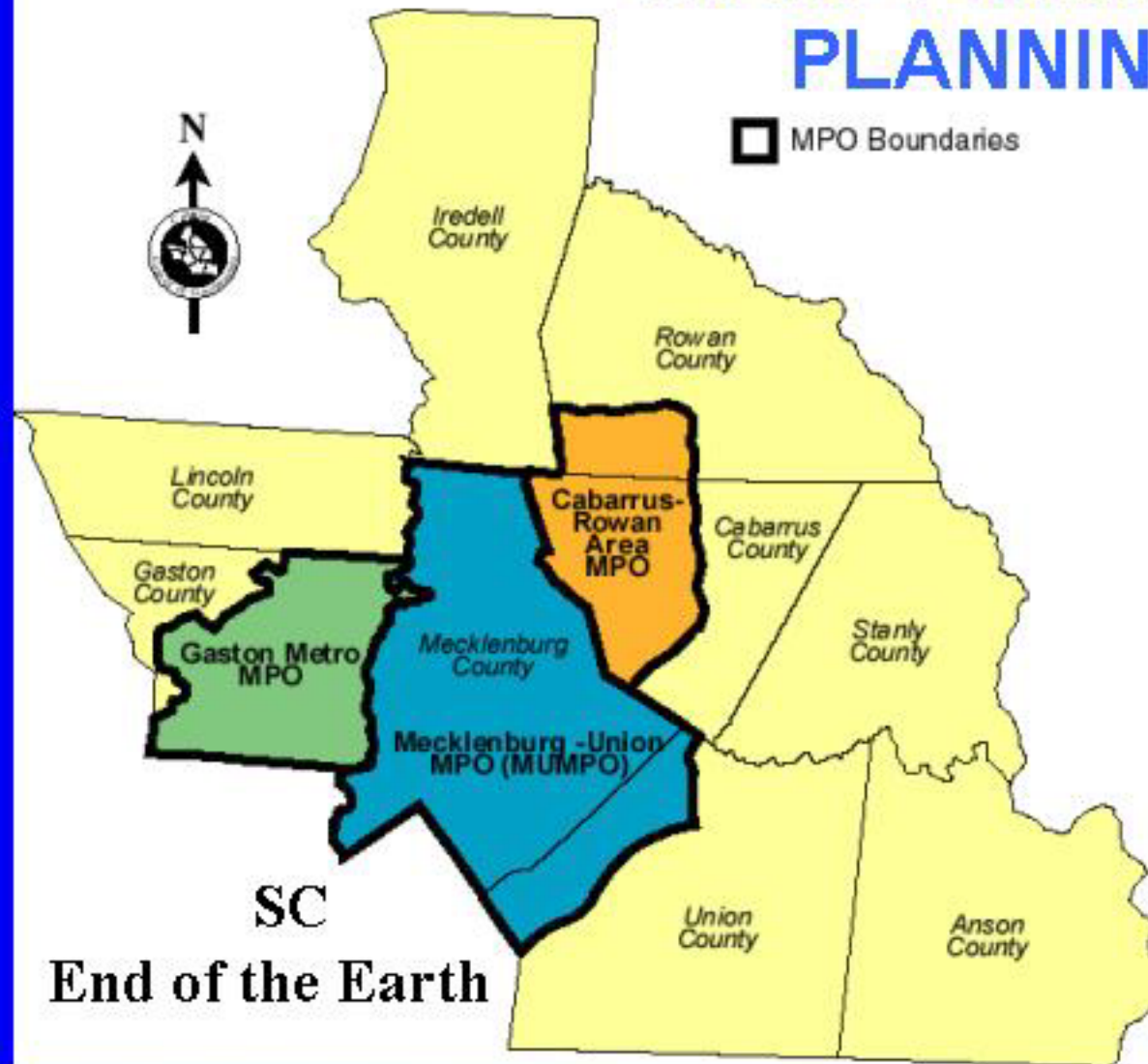
NC 8-HR Nonattainment Area Recommendations



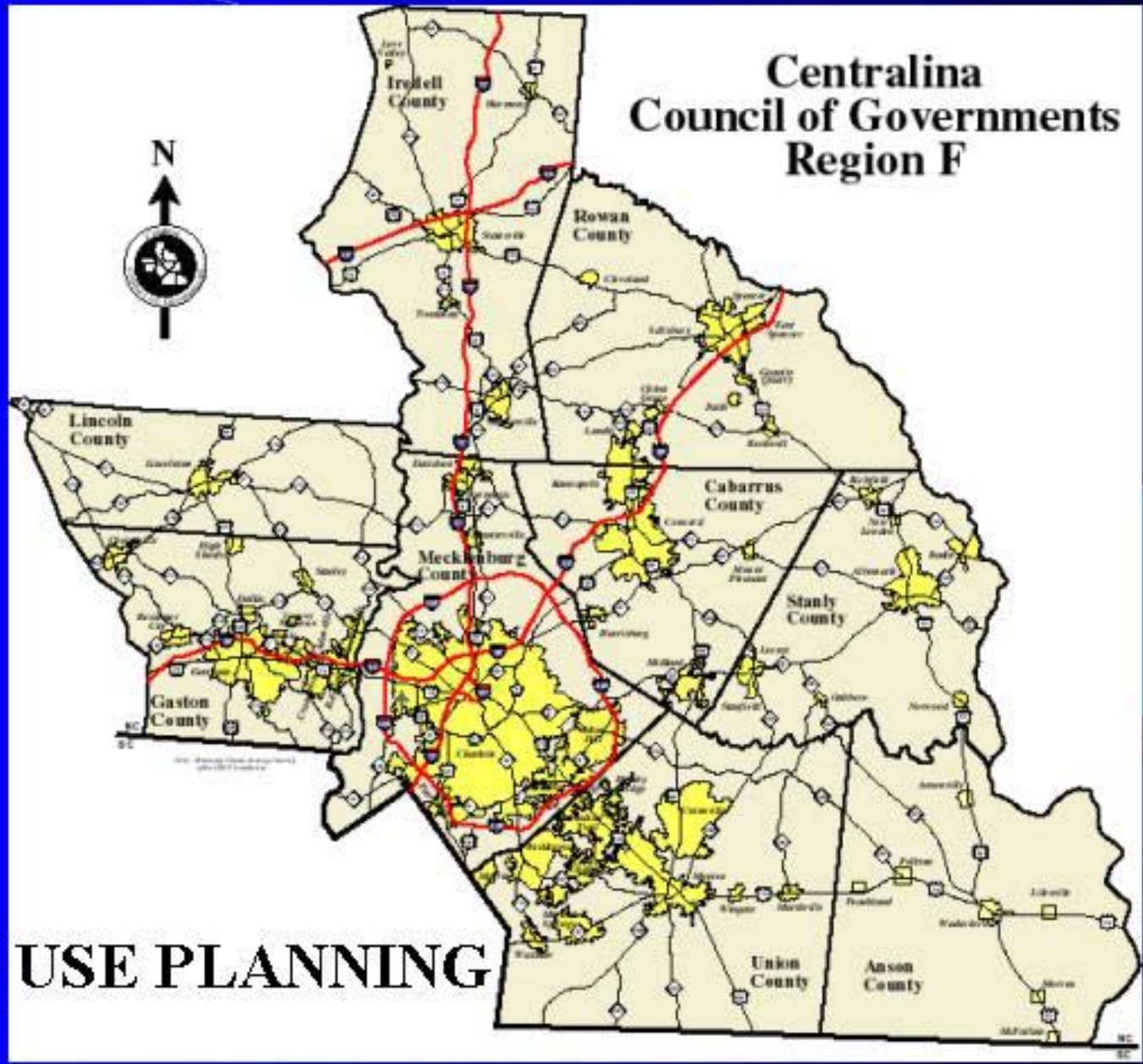
AIR QUALITY PLANNING

MPO's in the Centralina Region

TRANSPORTATION PLANNING



Centralina Council of Governments Region F



LAND USE PLANNING



- B r e a t h e -

Clean Air Policy

Mecklenburg County wishes to achieve and maintain clean healthful air as determined by national, state, and local ambient air quality standards for the well being of its citizens and the economic vitality of this community and shall act proactively at the county level to achieve this goal.

Adopted the 29th day of March, 2001

- Breathe -

Stakeholder Charge

Identify and prioritize specific issues relative to ozone levels and its precursor emissions specific to Mecklenburg County,

Develop a consensus set of principles and quantifiable emission reduction strategies to be considered by the Board and

Present recommendations for action on these matters to the Board of Commissioners within 180 days from the date of the initial meeting.

Adopted the 14th day of August, 2001

towards a

Regional Clean Air Strategy



Chief Elected Official Environmental Forum

- Eleven counties and fifteen municipalities from NC and SC
- Catalogue regional environmental initiatives and players
- Construct environmental action item tool boxes (air quality list presented)
- Establish consensus on action items that will be enacted locally and regionally

COGs

MPOS

SIPs

TIPs

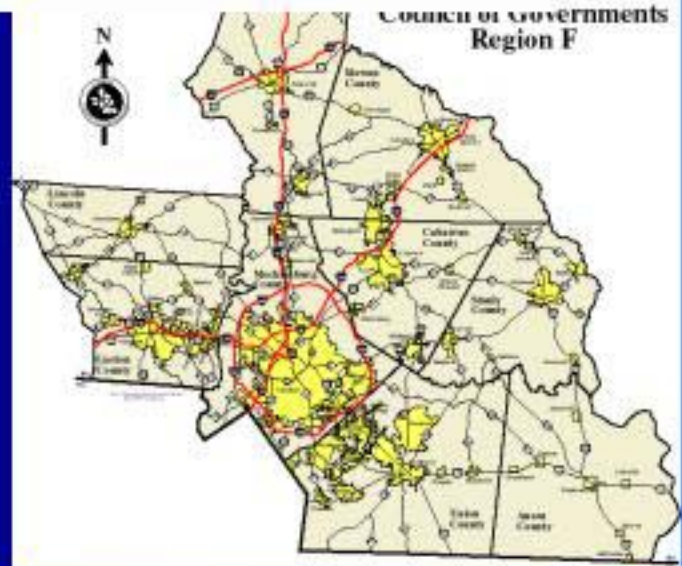
NC 8-HR Nonattainment Area Recommendations



MPO's in the Centralina Reg



SC ?



Smart Growth, Air Quality & Land Use

Opinions from a Local Perspective

- This is not Portland
- Awareness, Education and Action Needed
- Incentives for land use authorities to act together
- Mechanisms for local governments to establish common goals
- Incentives to compete with the individual right to use property for the highest use - \$

A Local Service and Regulatory Agency



Protecting your environment ... for life

<http://www.co.mecklenburg.nc.us/coenv/Inside.htm>

704 - 336 - 5500