



**NORTH CAROLINA**  
Department of Transportation

# CMAQ / CRP Overview

## PTRC Locally Administered Projects (LAP) Training

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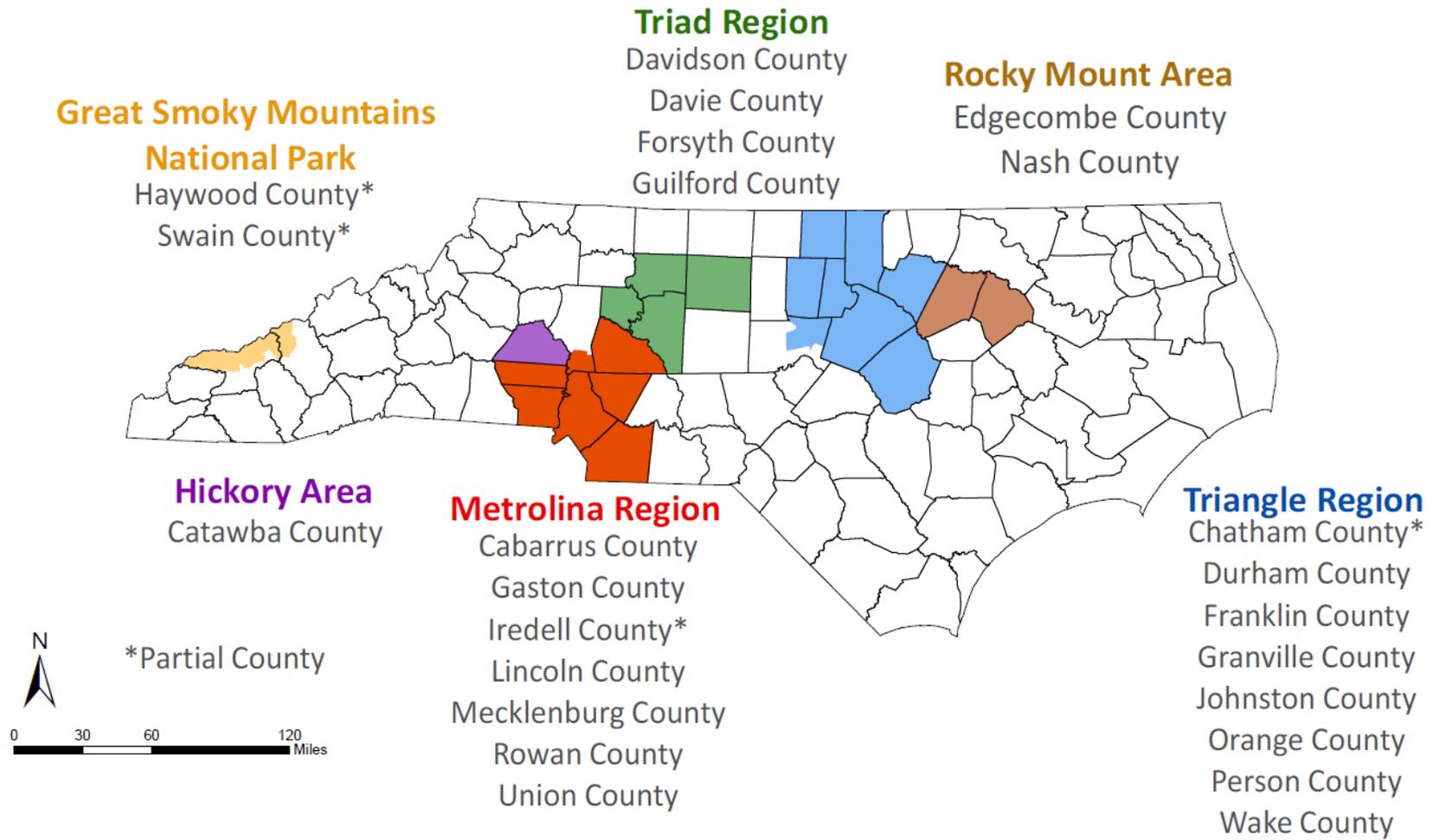
Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina

## What is CMAQ & CRP?

- Federal grant programs to fund transportation projects that reduce harmful emissions
- CMAQ → Congestion Mitigation and Air Quality
  - Began in 1992
  - GOAL = Reduce CO, PM<sub>2.5</sub>, PM<sub>10</sub>, VOC, NO<sub>x</sub>
  - ~\$50M/year
    - ~\$27M/year set aside for MPOs/RPOs (55%)
    - ~\$22M/year for statewide use (45%)
- CRP → Carbon Reduction Program
  - Began in 2022
  - GOAL = Reduce CO<sub>2</sub>
  - ~\$34M/year
    - ~\$13M/year set aside for MPOs

# Where can CMAQ funds be used?

## CMAQ Eligible Counties

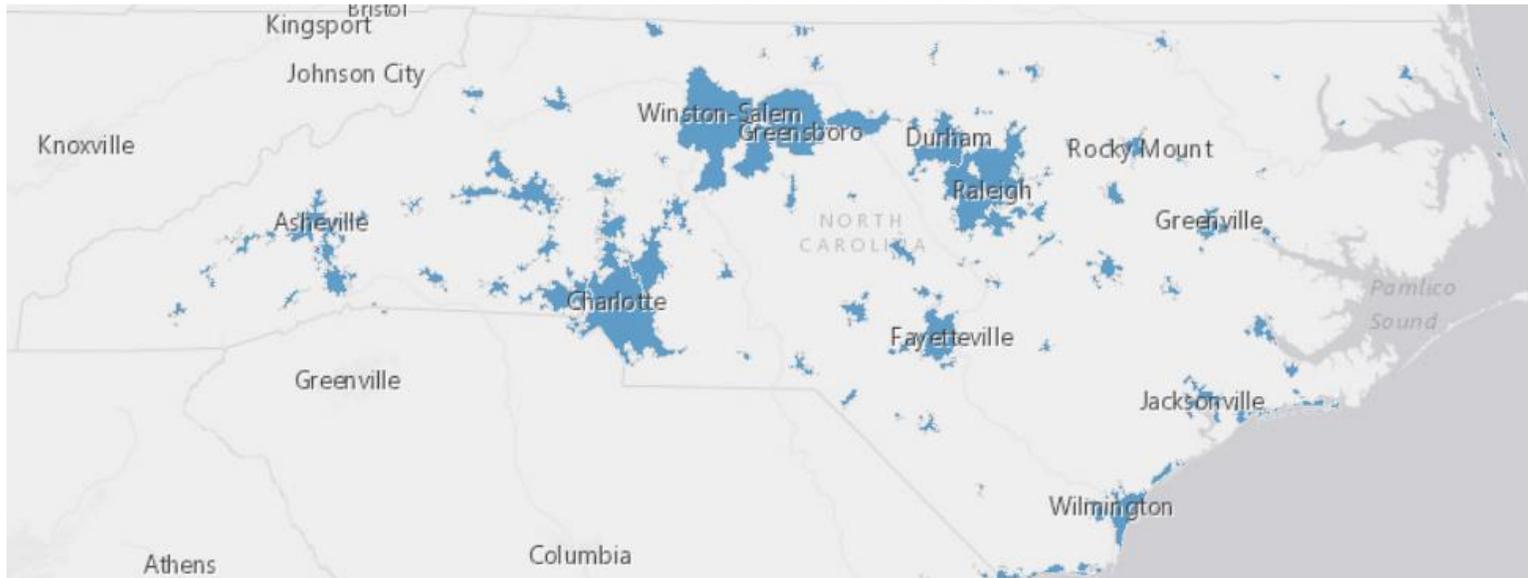


## Where can CRP funds be used?

- Short answer → Anywhere in NC
- Detailed answer → five funding categories based on population:

Funding Category	Federal FY 2024 Allocation
<5,000	\$7,468,033
5,000 to <50,000	\$2,122,834
50,000 to <200,000	\$2,232,129
200,000+	\$10,624,766
Anywhere	\$11,964,227

2020 Census Urban Areas



## What kinds of projects are eligible?

- Sidewalks
- Greenways/Multi-Use Paths
- Adding Turn Lanes
- Roundabouts
- Other congestion reduction and traffic flow improvements
  - Intersections only
- Transit improvements
- Operational Assistance (*CMAQ Only*)
- Alternative fuels, vehicles, EV chargers
  - *Subject to Buy America requirements*
- Public education and outreach activities
- Transportation management associations
- Carpooling and vanpooling
- Carsharing
- Extreme low temperature cold start program
- Training
- LED Light Conversion (*CRP Only*)
- Inspection and maintenance programs
- Innovative project
- Diesel engine retrofits and other advanced truck technologies
- Idle reduction
- Freight and intermodal
- Transportation control measures
- Travel demand management

Not an  
exhaustive list

# Approval, Programming and Authorization

- Project Application
  - Project sponsor and/or Planning Organization develop application
    - Coordination with NCDOT (SIPS & local Division(s) office) on scope, costs estimates, and schedule
  - Continuous Applications Submittal → Apply anytime
- Project Approval
  - Reviews occur in quarterly batches (3/31, 6/30, 9/30, and 12/31)
  - CRP → NCDOT only (typically)
  - CMAQ → Interagency Review (FHWA, DAQ, FTA, EPA, and NCDOT)
  - Request STIP ID
  - Award letter notification sent to project sponsor
- Project Programming
  - Project included in next STIP modification
  - Approved by the NCDOT Board of Transportation (Item N)
- Project Authorization
  - Local agreement (contract) is established between project sponsor and NCDOT
  - FHWA reviews and authorizes project for reimbursement

**CRP PROJECT APPLICATION**

**CMAQ PROJECT APPLICATION**

**PROJECT COSTS & DELIVERY SCHEDULE**

Phase(s)	CRP Amount	Matching Amount	Total	FY
Planning, Engineering & Design	0	0	0	
Right-of-Way	0	0	0	
Construction	0	0	0	
Transit Implementation	0	0	0	
Non-transit Implementation	0	0	0	
<b>Project Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	

## Direct Attributable vs. Statewide/Anywhere

- MPOs and/or RPOs should fully utilize their CRP Direct Attributable (DA) and/or CMAQ sub-allocation each FY
- Statewide (CMAQ & CRP) money generally set aside for larger / multiple county projects or education/outreach
  - NC Rail – Carolinian & Piedmont Operating Assistance
  - NC Air Awareness Campaign (Department of Environmental Quality)
  - Clean Fuel Advanced Technology (CFAT) program at NCSU
  - Transportation Systems Management & Operations (TSMO)
- Statewide CMAQ and CRP can be accessed under specific situations:
  - A small amount above your DA is needed to complete a project
  - A project within the MPO is part of a larger statewide effort
  - Project supplemental funding (inflation, outdated cost estimates, etc.)
- Using Statewide money done on a **case-by-case basis**

## State Match In Lieu of Local Match

- For CMAQ/CRP, applicants can use state funds to help with local match
  - This applies only to projects on the State Highway System
  - Can not be used for:
    - Standalone Bike/Ped projects
    - Transit
    - City/Private streets
- Example: working with Division 9 on an intersection improvement project
  - Roundabouts, turn-lane additions, new signal systems, significant signal system upgrades

## Any other things I should know?

- Process and program improvements:
  - Online application
  - New project database and financial tracking
  - Project dashboard
  - Working groups for CMAQ and CRP
  - Emissions reduction tool
- Project cost minimum of \$100,000 (TOTAL COST)
  - Example → \$80,000 (CRP) + \$20,000 (Local)
- Can mix CRP and CMAQ funds for a single project
- 80% Federal / 20% Local Match is preferred
  - Can use more local share but needs to be in increments of 5% points (e.g. 75% : 25%)
  - Reimbursement split applies until project is completed
- How do I calculate emissions reduction?
  - FHWA's Emissions Calculator Toolkit
    - [https://www.fhwa.dot.gov/environment/air\\_quality/cmaq/toolkit/](https://www.fhwa.dot.gov/environment/air_quality/cmaq/toolkit/)
    - Ask me for assistance!

# Contact Us

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