

Attached are two spreadsheets and two word documents. This information should help some of the CMAQ applicants with their emissions reductions calculations.

1) The file named "urban_county_ef_vmt_reduction_projects.xls" will help applicants estimate emissions for projects that will result in quantifiable reductions in VMT in the following counties: Gaston, Mecklenburg, Davidson, Forsyth, Guilford, Durham, Granville and Wake.

2) The file named "rural_county_ef_vmt_reduction_projects.xls" will help applicants estimate emissions for projects that will result in quantifiable reductions in VMT in all other CMAQ eligible counties not listed above in #1.

In both of the spreadsheets above, there are 3 tabs (one each for NO_x, VOC and CO). Emission factors are provided in each sheet in units of grams per mile. Applicants can simply multiply their daily VMT reduction resulting from their project by the applicable emission factor to get an emissions estimate in grams/day. (Example: NO_x emission factor from light duty trucks = 0.2 g/mile * 50,000 vehicle miles travelled/day = 10,000 g/day NO_x reduction.)

If the applicant has a project that applies to all vehicles, then I strongly suggest using only the emission factors provided in column "AE" labeled ALL VEH.

3) The word document named "Mobile6Classifications.doc" provides an explanation of the vehicle type column headings in the spreadsheets.

4) The word document named "readme.doc" contains the instructions in #1 through #3 above.

DAQ will provide additional general guidance for traffic flow improvement projects next week.