

Appendix C

Metrolina Region Long-Range Transportation Plan and Conformity Plan

Interagency Consultation Meeting

ACTION & FOLLOW-UP ITEMS/NOTES

January 12, 2010

ATTENDEES

CDOT: Joe McLelland, Anna Gallup, Eldewins Haynes

NCDOT:

MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT:

Cabarrus-Rowan MPO: Phil Conrad

Gaston MPO: Hank Graham, Bernie Yacobucci, Vincent Wong

RFATS:

Lake Norman RPO:

Rocky River RPO:

FHWA: Loretta Barren, Eddie Dancausse

NCDAQ: Janice Godfrey, Vicki Chandler

SCDHEC:

Kimley-Horn:

EPA: Dianna Smith, LaCosta Ward

NCDOT: Jamal Alavi, Linda Dosse, Terry Arellano, Mark Smith, Derry Schmidt, Earlene Thomas

SCDOT:

Mecklenburg Co. AQ:

NC Turnpike Authority: John Burris

Union Co.:

ITEMS DISCUSSED:

UPDATE ON New Ozone SIP:

The RFP SIP was signed by EPA. No comments were received during EPA's comment period. Motor Vehicle Emissions Budgets should be available once published in the Federal Register.

On November 24, 2009, NCDAQ re-submitted a portion of their 2007 attainment demonstration to EPA but supplemental information is required in order for this submittal to be complete. NCDAQ intends to submit supplemental information in late January 2010 to satisfy this. Public comment period to begin February 12th, with final submission expected in April. Once the final supplementary information is received, EPA will do a finding of completeness and respond to NC in that regard via letter stating that the submittal is complete. Additionally, EPA will also publish an informational notice in the Federal Register and this will stop

the sanctions clock and the finding of failure to submit this SIP will no longer be in place. The FIP clock, however, will continue to run until a Federal Register notice has been published approving the attainment demonstration.

Additionally, if CDOT and/or MUMPO desires to withdraw the comments submitted on the Attainment Demonstration, you will need to submit a letter to EPA, addressed to Kenneth Lapierre, Acting Air, Pesticides, and Toxics Management Division Director, asking that we no longer consider the submitted comments. This letter will be inserted into the docket for public access once the Attainment Demonstration is published in the Federal Register.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE:

Model Team sent VMT and speeds to NCDAQ. NCDAQ calculated the emission factors and sent that to the Model Team. NCDAQ had some questions about how speeds were calculated for some rural roads and for some years. Joe McLelland and Craig Gresham will be the point of contact to iron out any differences resulting from review by the MPOs, EPA, and DAQ.

CONFORMITY PROCESS SCHEDULE:

Eddie Dancausse mentioned the refinements made to the schedule. He noted that that the MPOs need to adopt TIP changes at the same time the LRTP and CD is adopted (between 3/20-3/24)

MPO LRTP UPDATES:

The regionally significant/exempt lists have been completed. Decisions have been reached on what projects need to be in the TIP amendment (and these changes have all been modeled). All MPOs have completed their respective LRTPs.

ACTION ITEMS:

The following resolutions will be needed:

- **MUMPO**
 - 2035 LRTP Adoption
 - 09-15 TIP Amendment Adoption
 - 2035 LRTP Conformity Determination
 - 09-15 TIP Conformity Determination

- **Gaston MPO**
 - 2035 LRTP Adoption
 - 2035 LRTP Conformity Determination
 - 09-15 TIP Conformity Determination

- **Cabarrus Rowan MPO**
 - 2035 LRTP Adoption
 - 2035 LRTP Conformity Determination
 - 09-15 TIP Conformity Determination

- **NCDOT**
Conformity Determination for the Donut Areas (Gaston, Iredell, Lincoln, Union)
- Resolve any differences regarding modeled speeds resulting from review by the MPOs, EPA, and DAQ. **Responsibility:** Joe McLelland and Craig Gresham
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, February 9, 2010, from 10:30 - noon.**

December 08, 2009

ATTENDEES

CDOT: Joe McLelland
NCDOT: Anil Panicker
MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT: Anna Gallup
Cabarrus-Rowan MPO:
Gaston MPO: Hank Graham
RFATS:
Lake Norman RPO: Bill Duston
Rocky River RPO: Dana Stoogenke
FHWA: Loretta Barren, Eddie Dancausse
NCDAQ: Janice Godfrey, Heather Hildebrandt, Steve Liu
SCDHEC:
Kimley-Horn: Craig Gresham, Tim Padgett
EPA: Dianna Smith, LaCosta Ward
NCDOT: Jamal Alavi, Linda Dosse, Terry Arellano, Dan Thomas, Shannon Ransom, Mark Smith
SCDOT:
Mecklenburg Co. AQ: Alan Giles
NC Turnpike Authority: John Burris
Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

The RFP SIP was completed and submitted to EPA. Comments from EPA have been addressed. All information has been posted to the NCDAQ website (http://ncair.org/planning/CLTGastRHozoneredesig_progress.shtml). EPA has the budget proposal and has begun the process to determine adequacy. The 30 day public comment period began Dec. 3. If comments are received, the comment period is extended an additional 15 days. If all goes well, EPA could publish adequacy finding in late February or early March, 2010.

DAQ is preparing supplemental info for the attainment SIP. Upon completion, both the original attainment SIP and the supplemental information will be released for public comment at the same time. DAQ is not quite ready to propose a date for that release.

I-485: Jamal Alavi (NCDOT) reiterated that NCDOT is committed to completing the I-485 project in northeast Mecklenburg. An Industry Forum was held in Charlotte last Thursday (12/3).

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE:

DAQ: Steven Liu will be out 12/14-29. Vicki Chandler will be out for two weeks. Janice Godfrey will be out for a week. With these absences, it may take longer than three weeks for DAQ review.

Model team: The schedule called for draft results by 12/2/09. Draft travel demand model runs are completed for all years and scenarios. The model team received comments and revisions to project lists through Thanksgiving week. These have not been included in the draft numbers, but will be included in the final round. Revisions are in northeast Mecklenburg and Gaston Counties. Draft speeds for Iredell, Lincoln, Rowan and Union are unlikely to change much, however VMT will change slightly for all counties. The draft speeds and draft local starts data are to be submitted for DAQ review by end of the day. With tight scheduling, speed data, starts data, and VMT for the final run are to be submitted to Vicki, Steven and Janice.

Budget test and interim tests: Eddie asked if the modeling indicated if we would be able to pass both the proposed budget tests and the interim tests. The model team indicated that the budget test could be passed, but we may need to shift some projects to pass the interim tests. Eddie indicated that we could go out for public review with tests against the proposed budgets only, but that we should not undertake any MPO action until EPA declared the budgets adequate. The group decided to go forward with only the budget tests at this time. If the budgets are not found adequate, we would need to revise plans and begin new rounds of modeling with different project scenarios to pass the interim tests. If we must go to interim tests, we would need to go back out to the public with the new project lists and conformity findings.

CONFORMITY PROCESS SCHEDULE:

Final modeling with adopted project lists including I-485 in Mecklenburg and I-85 widening in Cabarrus to Poplar Tent Road would be completed. All VMT and speeds with budget tests would be forwarded to DAQ by 12/18/09.

With various delays, scheduled MPO actions at the end of March, 2010 may not be possible. The end of April may be more likely. Given the number of unknowns, we should wait until the January IC to decide on schedule updates.

MPO LRTP UPDATES:

GUAMPO has two chapters left to complete, final draft is on schedule. Hank will talk to Eddie this week about comments.

MUMPO approved the draft project list with “no new revenue” scenario. The approved list includes I-485 in the 2015 horizon year. The MPO removed one locally funded project from the list - one-way pair of NC 115 in Huntersville. Bob reviewed Eddie’s comments and had sent changes back to Eddie today.

ACTION ITEMS:

- Model team will provide draft speed data and local starts data to NC DAQ for Rowan, Union, Iredell and Lincoln counties for 2010, 2015, 2025 and 2035 today. **RESPONSIBLE PARTY:** Model Team
- Model team will provide final speed, VMT, starts data to NC DAQ for all counties for 2010, 2015, 2025 and 2035 by Dec. 18, 2009.
RESPONSIBLE PARTY: Model Team
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, January 12, 2010, from 10:30 - noon.**

November 10, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland

NCDOT: Anil Panicker

MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT: Anna Gallup

Cabarrus-Rowan MPO: Phil Conrad

Gaston MPO: Bernie Yacobucci

RFATS:

Lake Norman RPO: Bjorn Hansen

Rocky River RPO:

FHWA: Loretta Barren, Eddie Dancausse

NCDQA: Janice Godfrey, Heather Hildebrandt, Steve Liu

SCDHEC:

Kimley-Horn: Craig Gresham, Tim Padgett

EPA: Dianna Smith, LaCosta Ward

NCDOT: Jamal Alavi, Linda Dosse, Terry Arellano, Mike Bruff

SCDOT:

Mecklenburg Co. AQ: Alan Giles

NC Turnpike Authority: John Burris

Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

The RFP SIP public comment ends 11/13/2009. All information has been posted to the NCDAQ website (http://ncair.org/planning/CLTGastRHozoneredesig_progress.shtml). DAQ still needs to resolve other issues with EPA before completing the attainment SIP.

TCCP Update: The Consensus Plan updated again (10/28/09) to include RFP SIP and budgets. Also, the draft budgets will be updated to match those in the RFP document. DAQ commented that the min/max temperature used in MOBILE6 CO calculations should be 50. Steven Liu had also submitted a detailed list of MOBILE6 options. NCDAQ internally uses a similar checklist. After some discussion, it was agreed to not put all that in the TCCP, but it may be in an appendix of the CD.

OFF-MODEL ANALYSIS FOR MPOs: Model Team has received all necessary data from MPOs. Anna Gallup will work with CDOT staff for off-model calculations.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: The interim tests will need off-model calculations to pass. However, modeling has been complicated by the I-485 completion announced by Gov. Perdue the day before this meeting. NCDOT therefore asked I-485 (road completion, interchange, and I-85 widening) be from the 2025 horizon to the 2015 horizon. This could also have TIP update implications, if projects change in the first four years of the 2009-15 TIP. FHWA (Dancusse) recommended that any TIP changes related to the I-485 project, I-85 project and the Garden Parkway Project be done in parallel with the 2035 LRTP conformity process that is currently underway. Doing the TIP amendments now in parallel with the LRTP update/conformity process will eliminate an additional future TIP conformity process to make the corrections. Mike Bruff will discuss this with the TIP Development Unit to determine if this approach is feasible given the grace lapse period ending in May, 2010. Coordination on the TIP changes will also need to take place with the MPOs. NCDOT will work on these details.

Craig estimated 2 weeks for modeling after MUMPO endorses its “no new revenue” scenario. The Modeling team (Gresham/Gallup/McLelland) will provide NCDAQ with a date (early December?) when the speeds will be provided to them by 11/12/09. This information will be shared with the transportation partners.

Based on external factors (MUMPO project list final approvals, etc.) the transportation/AQ modeling will be delayed. This will result in the draft Metrolina Conformity Determination Report not being completed in time to make the 12/1/09 public/agency review and comment period. Potentially looking at an overall 2 to 4 week schedule delay.

MPO LRTP UPDATES: MUMPO TCC will meet on 11/12/09 to discuss the recommended actions for the 11/18/09 TAC meeting. MUMPO TAC will meet on 11/18/09 to adopt the no revenue scenario of the 2035 LRTP project list.

GUAMPO TCC and TAC will get approval to release the 2035 LRTP when it becomes available for public comment.

ACTION ITEMS:

- NCDOT will provide information to the MPOs and the interagency consultation partners on recent changes related to the I-485 project (MUMPO) and the I-85 additional lane (CRMPO) project and how they will need to be modeled for the 2035 LRTP update. NCDOT will provide information on how the projects are currently represented in the 2035 LRTP and what changes/adjustments need to be made to the LRTP/transportation & AQ model based on the Governor's/NCDOT's latest decision on those projects. **RESPONSIBLE PARTY:** Jamal Alavi
- NCDOT will discuss this with the TIP Development Unit to determine if a parallel TIP update for the I-485 completion is feasible. Coordinate the details of the TIP changes with the MPOs. **RESPONSIBLE PARTY:** Mike Bruff, Jamal Alavi
- Provide NCDAQ with a date when the speeds will be provided to them by Thursday (11/12/09). This information will be shared with the transportation partners. **RESPONSIBLE PARTY:** Modeling Team
- Endorse 2035 project list (likely "no new revenue"). **RESPONSIBLE PARTY:** MUMPO
- Complete remaining draft LRTP documents. **RESPONSIBLE PARTY:** GUAMPO, MUMPO
- FHWA (Dancausse) will update the conformity process schedule (CPS) based on the latest modeling work completion information and will send out the CPS to the transportation partners prior to the next IC meeting on 12/8/09.

OTHER ITEMS OF NOTE: On November 12, NCDAQ resubmitted its 2007 ozone SIP for the Metrolina nonattainment region to EPA, and then submit supplemental information. The supplemental information would include the 2009 ambient air quality data showing the area qualifies for a one-year extension and the 2011 modeling as weight of evidence that the Metrolina region would attain the standard by June 15, 2011.

- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, December 8, 2009, from 10:30 - noon.**

October 13, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland

CALL-IN ATTENDEES

MUMPO: Bob Cook

CDOT: Anna Gallup

Cabarrus-Rowan MPO: Phil Conrad

Gaston MPO: Bernie Yacobucci

RFATS:

Lake Norman RPO: Bjorn Hansen

Rocky River RPO: Dana Stoogenke

FHWA: Loretta Barren, Eddie Dancausse

NCDAQ: Janice Godfrey, Heather Hildebrandt, Laura Boothe, Steve Liu

SCDHEC:

Kimley-Horn: Craig Gresham

EPA: Dianna Smith, Lynorae Benjamin

NCDOT: Jamal Alavi, Derry Schmidt, Linda Dosse, Mark Smith, Earlene Thomas, Shannon Ransom

SCDOT:

Mecklenburg Co. AQ: Alan Giles

NC Turnpike Authority: John Burris

Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

DAQ has developed budgets as part of a 2008 Reasonable Further Progress document. The RFP budgets are out for public comment until 11/13/2009. All information has been posted to the NCDAQ website (http://ncair.org/planning/CLTGastRHozoneredesig_progress.shtml). EPA can complete the budget adequacy process in about 3 months after posting, if there are no comments. DAQ still needs to resolve other issues with EPA before completing the SIP.

TCCP Update: The Consensus Plan will have to be updated again to account for a 2010 attainment year instead of 2011. Other horizon years (2015, 2025, 2035) remain the same. Also, the draft budgets will be updated to match those in the RFP document.

OFF-MODEL ANALYSIS FOR MPOs: Model Team has received all necessary data from MPOs. Anna Gallup will work with CDOT staff for off-model calculations.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: The runs for all the budget and interim tests and SIP data have been set up. This includes the

following years: 2002, 2005, 07, 08, 10, 15, 20, 25, 30, and 2035. Run execution awaiting MUMPO to adopt a plan. Kimley-Horne to meet with CDOT and MUMPO next week to confirm input files. Runs can be completed about 7-10 days after MUMPO endorses a project list. Scheduled completion of conformity runs is mid October.

MPOs, RPOs, and FHWA are reviewing the regionally significant and exempt project lists. This should be completed in the next 1-2 weeks.

MPO LRTP UPDATES: MUMPO leaning toward the “no new revenue” from among the four scenarios modeled in September. The project list would be endorsed on October 21. The LRTP should be ready next month.

GUAMPO sent three chapters to Loretta Barren for comment.

ACTION ITEMS:

- Endorse project list. **RESPONSIBLE PARTY:** MUMPO
- Complete the regional modeling analysis by mid November.
RESPONSIBLE PARTY: Model Team
- Complete remaining draft LRTP documents. **RESPONSIBLE PARTY:** GUAMPO, MUMPO
- Coordinate project lists from TIPS/STIPs and verify which projects are exempt and which are regionally significant. **RESPONSIBLE PARTY:** Jamal Alavi, Eddie Dancausse
- Set up meeting between Phil Conrad and other MPOs on who is responsible for printing and paying for Conformity Document hard copies to distribute for public comment. **RESPONSIBLE PARTY:** MPOs, Eldewins Haynes

OTHER ITEMS OF NOTE:

- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, November 10, 2009, from 10:30 - noon.**

September 8, 2009

ATTENDEES

CDOT: Eldewins Haynes

MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT: Anna Gallup
Cabarrus-Rowan MPO: Phil Conrad
Gaston MPO:
RFATS:
Lake Norman RPO: Bjorn Hansen
Rocky River RPO: Dana Stoogenke
FHWA: Loretta Barren, Eddie Dancausse, Brad Hibbs, James Dahlem
NCDAQ: Janice Godfrey, Heather Hildebrandt, Donnie Redmond, Laura Boothe, Steve Liu
SCDHEC:
Kimley-Horn: Craig Gresham
EPA: Dianna Smith
NCDOT: Jamal Alavi, Derry Schmidt, Linda Dosse, Mark Smith
SCDOT:
Mecklenburg Co. AQ: Leslie Rhodes
NC Turnpike Authority: John Gresham
Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

The internal review by the partners for the preliminary draft of the ozone SIP ends September 14. Public comment period should begin by late September. Joe McLelland sent DAQ the latest VMT & speeds for Lincoln County for 2011, based on updated socio-economic (SE) data for 2008, and then interpolating SE data between 2008 and 2015. However, the 2011 SE data is not the 2011 SE which will be used in conformity. CRMPO asked for its 2011 SE to be directly entered, and not interpolated by the model team. None of the other MPOs have elected to directly calculate and submit their own 2011 data. Changes in vehicle starts assumptions will need to be discussed in Consultation. Eddie Dancausse asked that the data be sent through him. Budgets would be for the 2011 attainment year. For now, we will continue to look at the budget test and the interim tests, and decide later which way to go. DAQ is working on strengthening its VOC insignificance argument. At the monitors, 2009 data so far supports a 1-year attainment date extension of the 1997 ozone NAAQS (84 ppb).

TCCP attachment A and update items #1 & #8: Anna and Eddie are handling the updates. Discovered need to update #9 (CATS). Items #1 and #8 have been updated. Eddie also reviewed the updated Consensus Plan. Updates included the budget and interim tests, analysis years, etc.

Off-model analysis for MPOs: Almost all necessary data has been submitted. Anna will follow up with any MPOs or RPOs that still need to provide data.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: Craig Gresham to submit later in the week an updated schedule of runs for each week. He will include budget and interim tests. Also working in runs for VMT & speeds for 2007 SIP data request for DAQ. Runs will be for the years 2005, 2007, 2011, 2012, 2015, 2025, and 2035. Scheduled completion of conformity runs is mid October.

HARD COPIES OF CONFORMITY DOCUMENT: Agreement among MPOs as to who makes the hard copies for the public comment period, and who pays for them, has not been resolved. Phil Conrad has not been available to discuss this with the other MPOs. There will be no further updates until the MPOs come to an agreement.

MPO LRTP UPDATES: MUMPO presented a draft of its financially-constrained, ranked project list at public meetings on August 24 at the Charlotte-Mecklenburg Government Center, and in Indian Trail on August 31. Work on draft chapters is continuing. No response from resource agencies invited to review the process via notice on the MUMPO website. Comments will still be accepted beyond the announced deadline of September 20. Work continues on looking at various combinations of projects. The iterations will consider financial as well as air quality implications.

ACTION ITEMS:

- Follow-up with the MPOs to obtain any remaining data for off-model reductions analysis. **RESPONSIBLE PARTY:** Anna Gallup
- Complete the regional modeling analysis by mid October.
RESPONSIBLE PARTY: Model Team
- Complete remaining draft LRTP documents. **RESPONSIBLE PARTY:** GUAMPO, MUMPO
- Project lists from MPOs need to be coordinated and made consistent with the TIP (i.e., which projects are exempt and which are regionally significant). **RESPONSIBLE PARTY:** Model Team, Eddie Dancausse
- Set up meeting between Phil Conrad and other MPOs on who is responsible for printing and paying for Conformity Document hard copies to distribute for public comment. **RESPONSIBLE PARTY:** MPOs, Eldewins Haynes

OTHER ITEMS OF NOTE:

- **NCDAQ update. In late September, EPA expressed concern with a 2011 attainment date, and decided that there would not be a finding of VOC insignificance in the SIP.**
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, October 13, 2009, from 10:30 - noon.**

August 11, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland
MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT:

Cabarrus-Rowan MPO: Phil Conrad

Gaston MPO: Bernie Yacobucci

RFATS:

Lake Norman RPO: Bjorn Hansen

Rocky River RPO: Dana Stoogenke

FHWA: Loretta Barren, Eddie Dancausse

NCDAQ: Janice Godfrey, Heather Hildebrandt

SCDHEC:

Kimley-Horn:

EPA: Dianna Smith

NCDOT: Shannon Ransom, Jamal Alavi, Terry Arellano, Earlene Thomas, Dan Thomas

SCDOT:

Mecklenburg Co. AQ:

NC Turnpike Authority: John Burris

Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

A preliminary draft of the ozone SIP will be posted by next week review by the partners prior to the public comment period in September. Budgets would be for the 2011 attainment year. For now, we will continue to look at the budget test and the interim tests, and decide later which way to go. EPA said VOC may also need to be in the conformity emission tests. EPA is working with DAQ about adding VOC into the SIP (DAQ prefers VOC to be declared insignificant). At the monitors, 2009 data so far supports a 1-year attainment date extension of the 1997 ozone NAAQS (84 ppb).

SESARM has decided upon 2007 as the base year for modeling the 75 ppb ozone standard. To that end, DAQ will be asking for 2007 VMT and speed data.

MPO/RPO PROJECT LISTS: A conference call was held in mid-July to discuss the project lists for the non-MPO portion of the Metrolina nonattainment area that will be used for the upcoming conformity analysis. The meeting was initiated to answer questions about what projects should be included in the analysis. NCDOT's position is that projects which are in the STIP and have the right-of-way or construction phases scheduled in the first seven years should be included in the analysis. In addition, for rural areas adjacent to an MPO, the MPO may extend projects outside of their boundary to a logical terminus. The MPO must include the portion outside of their MPO boundary in the financial element of their LRTP. The RPOs have submitted their updated LRTP lists.

TCCP attachment A and update items #1 & #8: Anna and Eddie are handling the updates. Still working out agreement regarding what on-board

survey data the travel demand model is based on. Eddie added that the revised TCCP will include the draft motor vehicle emissions budgets, in the event they are used in the air quality analysis.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: Still on schedule for September. Kimley-Horne continuing to edit the 2008 network base.

Off-model analysis for MPOs: Anna indicated by email before the meeting that she will compile a list of what has and hasn't been received thus far. She will follow up with any MPOs that still need to provide data.

Hard copies of Conformity Document: Arrangements to be agreed upon among MPOs as to who makes the hard copies for the public comment period, and who pays for them.

MPO LRTP UPDATES: CRMPO has written its LRTP for 2015, 2025, 2035.

GUAMPO is reviewing a draft of its LRTP. GUAMPO noted that the Garden Parkway project is only fiscally constrained between I-485 and U.S. 321.

MUMPO released a draft of its financially-constrained, ranked project list on July 15. List to be presented at public meetings on August 24 at the Charlotte-Mecklenburg Government Center, and in Indian Trail on August 31. Work on draft chapters is underway. Resource agencies have been invited to review the process via notice on the MUMPO website. Work continues on looking at various combinations of projects. The iterations will consider financial as well as air quality implications.

ACTION ITEMS:

- Follow-up with the MPOs to obtain any remaining data for off-model reductions analysis. **RESPONSIBLE PARTY:** Anna Gallup
- Discuss with Phil Conrad how many hard copies of the Conformity Document to distribute for public comment. **RESPONSIBLE PARTY:** MPOs, Eldewins Haynes
- Complete the regional modeling analysis by mid October. **RESPONSIBLE PARTY:** Model Team
- Complete draft LRTP documents. **RESPONSIBLE PARTY:** GUAMPO, MUMPO
- FHWA will update the consensus plan to include proposed 8-hr ozone SIP MVEBs and the associated analysis parameters. **RESPONSIBLE PARTY:** Eddie Dancausse
- Joe McLelland will provide FHWA with some text on how to do the interim test for conformity for inclusion in the consensus plan
- RPOs need to submit their projects to the modeling team

OTHER ITEMS OF NOTE:

- **NCDAQ update. Internal draft Metrolina ozone SIP is out on the ftp site <ftp://ftp.ncdenr.org/aq/planning/attain/Metrolina/>. Comments need to be received no later than September 14th. DAQ asks partners not to wait until the last day to submit comments that will need extensive discussions. If in a couple of weeks you all think there is a need for a conference call to discuss issues of concern, let us know and we can arrange it.**
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, September 8, 2009, from 10:30 - noon.**

July 14, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland
MUMPO: Bob Cook
Kimley-Horn:

CALL-IN ATTENDEES

CDOT: Anna Gallup
Cabarrus-Rowan MPO: Phil Conrad
Gaston MPO: Bernie Yacobucci
RFATS:
Lake Norman RPO: Bjorn Hansen
Rocky River RPO:
FHWA: Loretta Barren, Eddie Dancausse
NCDAQ: Janice Godfrey, Vicki Chandler
SCDHEC:
Kimley-Horn:
EPA: Dianna Smith
NCDOT: Shannon Ransom, Linda Dosse
SCDOT:
Mecklenburg Co. AQ:
NC Turnpike Authority: John Burris
Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP: NCDAQ modeling is complete. 2011 and 2012 runs made, though 2012 results won't be used unless needed. A draft of the SIP is being worked on assuming a 2011 attainment year. Results will be shared with partners in early August, and released to the public in September. At the monitors, 2009 data so far supports a 1-year attainment date extension of the 1997 ozone NAAQS (84 ppb).

HPMS VMT FOR MECKLENBURG & GASTON COUNTIES: 2008 HPMS dataset is available. Contact Jamal Alavi to get the data and tell him which format you need.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: Still on schedule for September. Kimley-Horne working on configuring the project list with Cabarrus-Rowan MPO, and continuing to refine the network.

MPO/RPO PROJECT LISTS: Anna in process of working with RPOs to review networks. FHWA again noted RPOs should only look out to the duration of the STIP. Also only modeled projects should be included in the project list for conformity. FHWA/RPOs/NCDOT/ Anna to discuss in a separate meeting.

MPO LRTP UPDATES: MUMPO is working on its project list, and will be looking at various combinations of projects through the summer. The iterations will consider financial as well as air quality implications. MUMPO will present a ranked project list to the TAC on July 15. A financially-constrained list is to be presented at the August TCC meeting, and a special TAC meeting will be held later in August.

GUAMPO has written a draft of several chapters of its LRTP. GUAMPO noted that the Garden Parkway project is only fiscally constrained between I-485 and U.S. 321.

CRMPO has written its LRTP for 2015, 2025, 2035.

ACTION ITEMS:

- RPOs look at STIP projects previously submitted and any revisions for this conformity determination and make sure that they are fiscally constrained. Model team will need to review and code RPO projects.
RESPONSIBLE PARTY: (Dana/Bjorn/Model Team)
- Review TCCP Attachment A and update items #1 & #8 for consistency in TCCP text. **RESPONSIBLE PARTY:** Model Team
- Discuss with Phil Conrad how many hard copies of the Conformity Document to distribute for public comment. **RESPONSIBLE PARTY:** Eldewins Haynes
- FHWA will set up a meeting with NCDOT and RPOs to discuss the rural area projects and to make sure that the modeling is being done consistent with what has been done in the past conformity determinations.
RESPONSIBLE PARTY: FHWA
- Anna will e-mail the MPOs to request needed data for off-model reductions analysis, such as van pooling, incident management, signal coordination, and park-n-ride lots, etc. This information will be due to Anna by 9/1/09.

OTHER ITEMS OF NOTE:

- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, August 11, 2009, from 10:30 - noon.**

June 16, 2009

ATTENDEES

CDOT: Eldewins Haynes, Anna Gallup

MUMPO: Bob Cook

Kimley-Horn: Craig Gresham

CALL-IN ATTENDEES

CDOT:

Cabarrus-Rowan MPO:

Gaston MPO: Vincent Wong

RFATS:

Lake Norman RPO: Bjorn Hansen

Rocky River RPO: Dana Stoogenke

FHWA: Loretta Barren, Eddie Dancausse, Yolanda Morris

NCDAQ: Janice Godfrey

SCDHEC:

Kimley-Horn:

EPA:

NCDOT: Terry Arellano, Derry Schmidt, Linda Dosse

SCDOT:

Mecklenburg Co. AQ:

NC Turnpike Authority:

Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP: NCDAQ modeling is on schedule. 2011 runs made, corrections needed to be made this week. Design values so far look ok with the error. At the monitors, there has been one exceedance (76 ppb, in Rowan Co.) of the new ozone NAAQS. No exceedances yet of the 1997 ozone NAAQS.

HPMS VMT FOR MECKLENBURG & GASTON COUNTIES: Joe McLelland has 2007 data. Will use 2008 data if available.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: Gaston MPO working on updated to its project list. Cabarrus-Rowan MPO has endorsed the 2015, 2025, 2035 horizon years.

MUMPO is working on its project list, and will be looking at various combinations of projects through the summer. The iterations will consider financial as well as air quality implications. MUMPO to have a ranked project list to TCC July 9, and to the TAC on July 15. A financially-constrained list is to be presented at the August TCC meeting, and a special TAC meeting will be held later in August.

RPOs reviewed maps for previous project lists and have made adjustments out to 2035. FHWA noted RPOs should only look out to the duration of the STIP. FHWA asked to review the RPO lists developed. Anna Gallup noted that STIP projects begin in 2015.

INPUT PARAMETERS FOR 2011 MVEB: Janice Godfrey reviewed the input parameters and MVEB which were distributed with the meeting agenda. There were no comments from the group, but comments can still be sent to Janice.

CONFORMITY SCHEDULE: A Mid-March completion still seems reasonable. MUMPO noted multiple iterations of the Travel Demand Model may be needed to evaluate various project list options. Time has been built into the schedule to allow for this.

It was suggested that Eldewins discuss with Phil Conrad how many hard copies of the Conformity Document to distribute for public comment. The agreed-upon procedure would then be brought to the group. It was widely accepted within the group that electronic copies would be sent for the various partners to review.

ACTION ITEMS:

- Submit project lists to Anna Gallup in priority order (project by project, not simply by horizon year) and include project costs as well. **RESPONSIBLE PARTY:** MPOs
- RPOs to provide project lists to Anna Gallup for review. **RESPONSIBLE PARTY:** Dana Stoogenke, Bjorn Hansen
- Review TCCP Attachment A and update items #1 & #8 for consistency in TCCP text. **RESPONSIBLE PARTY:** Model Team
- Discuss with Phil Conrad how many hard copies of the Conformity Document to distribute for public comment. **RESPONSIBLE PARTY:** Eldewins Haynes

OTHER ITEMS OF NOTE:

- Jamal reports that 2008 HPMS data was submitted to FHWA in mid June. The data set has been accepted, pending a few minor corrections/revisions. Within the next few weeks, the data may be distributed for use in the AQ Conformity analysis. Jamal will check on it again and as soon as it is official, he will inform all partners.

- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, July 14, 2009, from 10:30 - noon.**

May 12, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland
MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT: Anna Gallup
Cabarrus-Rowan MPO: Phil Conrad
Gaston MPO: Hank Graham, Bernie Yacobucci
RFATS:
Lake Norman RPO: Rebecca Yarbrough
Rocky River RPO: Dana Stoogenke
FHWA: Loretta Barren, Eddie Dancausse, Yolanda Morris
NCDQA: Janice Godfrey
SCDHEC:
Kimley-Horn: Craig Gresham, Tim Padgett
EPA:
NCDOT: Terry Arellano, Dan Thomas, Shannon Ransom, Jamal Alavi, Linda Dosse, Derry Schmidt
SCDOT:
Mecklenburg Co. AQ:
NC Turnpike Authority:
Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP: NCDQA modeling is on schedule. Finishing data inventories, and first runs should be made by early June. DAQ will bring a meteorologist/modeler into the July meeting to explain (in layman's terms) what the air quality model is doing.

HPMS VMT FOR MECKLENBURG & GASTON COUNTIES: 2008 HPMS data ready by mid-June. Jamal Alavi will forward to whoever needs it to get normalized VMT to complete the 1-hour budget portion of the interim tests.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: The SC side of Metrolina has passed its conformity interim tests. The project lists on the NC side are being re-developed for the 2015, 2025, 2035 horizon years.

OTHER ACTION ITEMS FROM APRIL MEETING: MPOs will review the base year and forecast data included in items # 1 and #8, respectively and

provided needed changes to Eddie Dancausse as soon as finalized, but at least by May 30, 2009.

Model Team will provide updated TDM information in item #9 to Eddie Dancausse as soon as finalized, but at least by May 30, 2009.

Anna will e-mail the MPOs to request needed data for off-model reductions analysis, such as van pooling, incident management, signal coordination, and park-n-ride lots, etc. This information will be due to Anna by 9/1/09.

It was noted by Eldewins that since Cabarrus-Rowan MPO is now responsible for producing the conformity document for the region (except York County), that responsibility also includes providing an adequate number of hard copies of the document for the MPOs to distribute for review during the public comment period.

CONFORMITY PROCESS SCHEDULE: Eldewins noted that the CPS is not considering the normal working time lost around Thanksgiving week. No additional update would be made to the CPS because this is a relatively minor difference.

MPO UPDATES:

- CRMPO is in process of finalizing tables, maps and LRTP text for public review. However, it is still using the old (2010, 2020, 2030) horizon years. Phil will meet with TCC/TAC in May for action regarding change in horizon years from 10, 20 & 30 to 15 & 25. It was suggested that Phil begin discussions with the policy board regarding the change in horizon years.
- GUAMPO is working on restructuring its LRTP for the 2015, 2025, 2035 horizon years.
- MUMPO has contracted Bjorn Hansen to help develop the LRTP. Expect to wrap up cost estimates in mid-May. CTP

ACTION ITEMS:

- Submit project lists to Anna Gallup in priority order (project by project, not simply by horizon year) and include project costs as well.
RESPONSIBLE PARTY: MPOs
- Phil Conrad to meet with CRMPO TCC/TAC in May for action to shift horizon years to 2015, 2025, 2035. **RESPONSIBLE PARTY:** Phil Conrad
- Review Attachment A in TCCP for consistency in TCCP text.
RESPONSIBLE PARTY: Model Team

OTHER ITEMS OF NOTE:

- EPA published in the FR a final action finding that North Carolina and South Carolina have failed to submit the SIP revisions for the 1997 8-hour ozone NAAQS due to the Charlotte bi-state area (Charlotte Area), which includes areas in both North and South Carolina. The effective date of this finding was May 8, 2009. This date also started the 24-month sanction clock. The text of the filing is attached.
- Diana Smith announced STAQS-2009 meeting will be held in Jacksonville, Florida during August 25-27. There will also be a MOVES training session from 9AM-4:30PM on the last day. Registration is \$100.
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, June 16, 2009, from 10:30 - noon.**

Metrolina Area IC 2nd Kickoff Meeting

April 14, 2009

Attendees:

CDOT: Eldewins Haynes, Joe McLelland, Anna Gallop

FHWA: Loretta Barren

RRRPO: Betty Whitley, Dana Stoogenke

NCDAQ: Janice Godfrey, Heather Hildebrandt

CRMPO: Phil Conrad

GUAMPO: Hank Graham, Vincent Wong

MUMPO: Bob Cook

NCDOT: Derry Schmidt, Jamal Alavi, Terry Arellano, Mark Smith, Shannon Ransom`

LNRPO: Bill Dunston

EPA: Dianna Smith

Reviewed schedule

The following changes were recommended

Add time for off model analysis May 1 – Sept. 30.

This will include data collection by MPOs for signal systems changes, van pooling, ITS, incident management.

Anna will send an e-mail detailing what information is needed.

Modeling Update

Everything is on schedule and in agreement with the scheduled being reviewed today. Craig met with Gaston MPO last week to review the network and ensure it accuracy. Craig will be meeting with CRMPO the week of April 20 to review their network for accuracy. Model team is still making enhancements to the model.

Schedule for developing the conformity report is doable. Phil has started work on the report and will continue. He will contact Eldewins if he needs assistance.

The MPOs will provide their conformity report information to Phil and he will compile the final report and print and distribute it to the MPOs for review. CDOT offered to take on this process but it was decided that since Phil had already started he should continue and rely on CDOT if assistance is needed.

Gaston MPO provided their MPO meeting dates:

Line 23 – 7/28/09 or a call meeting in August

Line 49 – 11/24/09

The January date has not been set therefore it can coincide with the schedule.

CRMPO/MUMPO will get their meeting dates to Eddie.

It was discussed what actions if any the RPOs would need to take. Terry stated that the RPOs will handle public involvement and a resolution of adoption is welcome, but not required. If any comments come from the public involvement process the RPOs/NCDOT/IC team will address them.

Consensus Plan Review

General Comments

In reviewing PCP years item #5 TDM intermediate years of 2015-2025. CRMPO operating under the 2010-2020-2030 horizon years and questions why the group was recommending a change back to previous years. Modelers discussed the difficulty in meeting conformity in the near term years (2010) and the difficulty in meeting conformity with so many intermediate years to model (2020, 2030) for the interim test. It was also noted that RFATS used the regional model for years 2015 & 2025. Phil has presented the 2010, 2020, & 2030 horizon years and project list to his TCC/TAC and will need to review this change with them at the May meetings. CRMPO will report back to the Metrolina IC committee at the June meeting.

Item 6 – Emission Comparison Years – Group was reminded that for MUMPO & Gaston MPO the 1-hr comparison would be needed for the interim test. MPOs would be allowed to normalize for the 1-hr test.

Joe stated that he would need to get HPMS VMT for local and non-local thoroughfares in Mecklenburg/Gaston Counties in order to compare to 2002.

Action Items

Jamal agreed to check on the latest HPMS data that is available.

Joe stated that he would make sure he has all the other information needed to do the 1-hr comparison.

MPOs will review the base year and forecast data included in items # 1 and #8, respectively and provided needed changes to Eddie Dancausse as soon as finalized, but at least by May 30, 2009.

Model Team will provide updated TDM information in item #9 to Eddie Dancausse as soon as finalized, but at least by May 30, 2009.

Anna will e-mail the MPOs to request needed data for off-model reductions analysis, such as van pooling, incident management, signal coordination, and park-n-ride lots, etc. This information will be due to Anna by 9/1/09.

Phil will meet with TCC/TAC in May for action regarding change in horizon years from 10, 20 & 30 to 15 & 25. It was suggested that Phil begin discussions with the policy board regarding the change in horizon years.

NCDAQ had no comments.

EPA announced that the MOVES model is being released. After MOVES is published in the Federal Register MPOs would have 3 to 6 months to use it in a conformity determination.

It was asked, if there was a conversion for the phase-in between MOVES and the Mobile model. Since the SIP is being developed with the Mobile model and there is a requirement that sometime in 2010 areas will be required to use MOVES with data that was generated with the Mobile model some conversion approach is needed. Janice suggested MPOs talk with Dianna Smith.

Next meeting will be May 12 and will focus on the LRTPs. Eldewins will continue to make meeting arrangements.

**Prepared Cooperatively Between the
Mecklenburg Union MPO
Cabarrus Rowan MPO
Gaston MPO
North Carolina Department of Transportation
and the
Federal Highway Administration**

**Metrolina Area Transportation Conformity:
Pre-Analysis Consensus Plan**

April 22, 2008

September 30, 2008

November 10, 2008

December 1, 2008

January 26, 2009

March 6, 2009

April 14, 2009

August 21, 2009

September 28, 2009

October 14, 2009

October 28, 2009

The Mecklenburg Union Metropolitan Planning Organization (MUMPO), Cabarrus Rowan MPO (CRMPO), Gaston MPO (GMPO) and the North Carolina Department of Transportation (NCDOT-representing rural portions of the Metrolina non-attainment area) are proposing the following plan and procedures to conduct a transportation conformity analysis. This plan is being submitted to the interagency consultation partners for soliciting consensus before commencement of a full-scale transportation conformity analysis. The plans and procedures may be revised as the MPO's and NCDOT proceed with the analysis. After consensus is reached; notification of changes will be made to the interagency consultation partners.

Metrolina Area MPOs:

- Mecklenburg Union Metropolitan Planning Organization (MUMPO)
- Cabarrus Rowan MPO (CRMPO)
- Gaston MPO (GMPO)

Donut Areas:

- Rural portion of Gaston county outside of the MPO area
- Rural portion of Union county outside of the MPO area
- Lincoln County
- Iredell County – partial county

The following pollutants will be included in this conformity determination:

- ❑ 8-Hour Ozone (8-hour O₃)
- ❑ Carbon Monoxide (CO) – Mecklenburg County

Long Range Transportation Plan (LRTP) and Metropolitan Transportation Improvement Program (MTIP)

1. Existing Land Use and Demographics: For MUMPO, CRMPO, GMPO

Staff collected data as outlined in **Attachment A**. The partners updated previously collected 2000 base year data to 2005. Population, household, and student enrollment data were updated using locally tracked data (see data sources listed below). Employment data, however, is not tracked locally in a way that can be reliably converted to model input data. In 2002, an economist was contracted to produce population, household, and employment estimates in five-year increments from 2000 to 2035. The Regional partners used the economist's 2005 employment to population ratio estimate to calculate 2005 employment data. The data was allocated to Traffic Analysis Zones (TAZs) based on the previous 2000 data set and local knowledge. Several partners supplemented this process with Employment Security Commission data and / or 2005 Info USA employment data.

Data sources include the following:

- 2000 Census data;
- 2002 InfoUSA employment data;
- 2005 InfoUSA employment data;
- 2005 Employment Security Commission data;
- 2002 Dunn and Bradstreet employment data;
- 2000 Journey to Work data;
- 2000 Census Transportation Planning Package (CTPP) data;
- 2000 Public Use Microdata Sample (PUMS) data
- Bureau of Labor Statistics (BLS) data;
- Bureau of Economic Analysis (BEA) data;
- area school system data;
- building permit data;
- tax data;
- zoning; and
- land use plans

2. LRTP Model Validation (Base) Year:

2005

3. MTIP Years: 2009 – 2015

4. LRTP Horizon Year: 2035

5. LRTP Travel Demand Intermediate Years: 2010, 2015 & 2025

6. Transportation Conformity Analysis Years (8-Hour Ozone and CO)

The Table below summarizes transportation conformity analysis methods and years for the different parts of the Metrolina non-attainment/maintenance areas. Specific conformity year information is listed in the following table:

County	Area model status	Area emissions budget status	Emissions analysis source	Emission comparison years				
				2002 ¹ Baseline	2010 ²	2015 ⁴	2025	2035 Horizon
Cabarrus	modeled all	8 hr O3 to EPA by 11.30.09	TDM ³	O3	O3	O3	O3	O3
Rowan	Modeled all	8 hr O3 to EPA by 11.30.09	TDM ³	O3	O3	O3	O3	O3
Gaston	Modeled all	8 hr O3 to EPA by 11.30.09	TDM ³	O3	O3	O3	O3	O3
Mecklenburg	Modeled all	8 hr O3 to EPA by 11.30.09	TDM ³	O3	O3	CO O3	CO O3	CO O3
Union	Modeled all	8 hr O3 to EPA by 11.30.09	TDM ³	O3	O3	O3	O3	O3
Lincoln	Modeled all	8 hr O3 to EPA by 11.30.09	TDM ³	O3	O3	O3	O3	O3
Iredell (part)	Modeled all	8 hr O3 to EPA by 11.30.09	TDM ³	O3	O3	O3	O3	O3

¹ Baseline for 8 hour ozone interim emissions test (if necessary)

² O3 attainment date for the Metrolina Region will need to be an MRM modeled year.

³ The baseyear of the MRM is 2005

⁴ 2015 will meet the interim test requirement of needing an analysis year no more than 5 years beyond the year in which the conformity determination is being made

Additional table notes and explanations:

County:

- ❑ Ozone: The Metrolina ozone non-attainment area consists of 6 whole counties (Mecklenburg, Union, Cabarrus, Rowan, Gaston, and Lincoln) plus one partial county (Iredell). The ozone non-attainment area includes four donut areas (Union, Gaston, Lincoln and Iredell-partial) represented by the NCDOT in cooperation with the Lake Norman Rural Planning Organization (RPO) and the Rocky River RPO.
- ❑ CO: The Metrolina CO maintenance area consists of one whole county (Mecklenburg)

**Note: a donut area is an area outside the MPO boundary but within the non-attainment/maintenance area.*

Model Status: Mecklenburg, Union, Cabarrus, Rowan, Gaston, and Lincoln, plus one partial county (Iredell) are completely within the Metrolina Regional Model (MRM) boundary.

Emissions analysis years: The Metrolina area has State Implementation Plans (SIPs) for the 1-hour ozone and CO standards. The North Carolina Division of Air Quality (NCDAQ) has a draft version of the Reasonable Further Progress (RFP) SIP for the 8 hour ozone standard that will be submitted to the Environmental Protection Agency (EPA) by November 30, 2009. The strategy for the regional emissions analysis is to do comparisons for the CO and proposed 8-hour ozone SIP MVEBs as well as the interim tests (1-hour ozone (Mecklenburg and Gaston), less than baseline and build/no build). This will cover all bases in case the 8-hour SIP MVEBs are not found adequate or approved before the USDOT conformity determination is made.

Emission analysis source: The VMT and speeds for the regional emissions analysis (REA) will be derived from the MRM.

Emission Comparison Years:

- ❑ **Interim Emissions Test** (To be used if the proposed 8-hour ozone RFP SIP motor vehicle emissions budgets (MVEBs) are not found adequate or approved prior to the USDOT conformity determination). The interim emissions test will consist of the 1-hour ozone MVEBs for Mecklenburg and Gaston Counties and the interim emissions tests (less than baseline 2002 and the build-no-build test) for all the Metrolina Area counties (*Mecklenburg, Gaston, Cabarrus, Rowan, Iredell-partial, Lincoln, Union*). The interim test comparisons will include a summation of the Metrolina area counties emissions into a single number (including Mecklenburg and Gaston Counties) for the comparisons.
 - **Less than baseline 2002 (Regional test sum emissions from *Mecklenburg, Gaston, Cabarrus, Rowan, Iredell-partial, Lincoln, Union*)**

- Interim emissions tests (less than 2002 baseline): 2002 (modeled-baseline year), 2015 (modeled-compare to 2002 baseline), 2025 (modeled-compare to 2002 baseline), and 2035 (modeled-compare to 2002 baseline)
 - **Build-no-build (Regional test sum emissions from Mecklenburg, Gaston, Cabarrus, Rowan, Iredell-partial, Lincoln, Union)**
 - Interim emissions tests (build-no-build): 2015 (modeled build compared to modeled no-build), 2025 (modeled build compared to modeled no-build) and 2035 (modeled build compared to modeled no-build).
 - **1-Hour Ozone (Mecklenburg and Gaston)**
 - MVEB: 2010 (modeled-compare to 2005 MVEB), 2015 (modeled-compare to 2005 MVEB), 2025 (modeled-compare to 2005 MVEB) and 2035 (modeled-compare to 2005 MVEB).
- **Motor Vehicle Emissions Budget Test**
 - **(Proposed 8-hour ozone SIP):** To be used in case the proposed RFP SIP MVEBs are found adequate or approved prior to the USDOT conformity determination **8-hour ozone (Mecklenburg, Gaston, Cabarrus, Rowan, Iredell-partial, Lincoln, Union)**
 - 2010 (modeled-compare to 2008 MVEB), 2015 (modeled-compare to 2008 MVEB), 2015 (modeled-compare to 2008 MVEB), 2025 (modeled-compare to 2008 MVEB) and 2035 (modeled-compare to 2008 MVEB)
 - **CO (Mecklenburg):** 2015 (modeled-compare to 2015 MVEB), 2025 (modeled-compare to 2015 MVEB) and 2035 (modeled-compare to 2015 MVEB)

List of Specific Conformity Years (1-hour ozone SIP)

- a. Baseline: 2002
- b. Horizon: 2035
- c. SIP MVEB Year: 2005
- d. Emission comparison years (NOx and VOC): 2010, 2015, 2025 & 2035

List of Specific Conformity Years (Interim Emissions Test)

- a. Baseline: 2002 (2002 vehicle mix will be used for 2002 and 2008 vehicle mix will be used for the years beyond 2002)
- b. Horizon: 2035
- c.** Emission comparison years (NOx and VOC): 2015, 2025 & 2035

List of Specific Conformity Years (Proposed RFP 8-hour ozone SIP)

- a. Baseline: 2002
- b. Horizon: 2035
- c: RFP SIP MVEB Year: 2008

- d. Emission comparison years (NO_x): 2010, 2015, 2025 & 2035

List of Specific Conformity Years (CO SIP)

- a. Horizon: 2035
- b. SIP Budget Years: 2015 (new SIP)
- c. Emission comparison years: 2015, 2025 & 2035

7. Non-attainment / Maintenance Counties:

- ❑ CO Maintenance: Mecklenburg County
- ❑ 8 Hour Ozone Non-attainment Area: Gaston Co., Mecklenburg Co., Cabarrus Co., Rowan Co., Union Co., Lincoln, and the southern portion of Iredell County (Coddle Creek and Davidson Townships)

8. Land-Use Demographics Projections/Forecast:

In 2002, an economist was contracted to produce population, household, and employment estimates in five-year increments from 2000 to 2035. The economist's forecasting model is calibrated statistically to 1990-2000 data for 228 metropolitan counties in the eastern US. Refer to *Demographic and Economic Forecasts for the Charlotte Region*, December 8, 2003, by Thomas R. Hammer, Ph.D. for more detailed information. Staff used the economist's report to benchmark projections for the five-year increments, and the regional partners came to a consensus on the regional projections. The regional partners agreed to a regional population ceiling of 3.5 million for 2035. Final population projections were substantially lower than this ceiling. The Regional partners primarily relied on the employment estimates from the economist.

MPO and RPO staff projected population, household, and employment data for 2015, 2025, and 2035 through a top-down forecasting approach. Qualitative inputs to the projections process include future land use plans, building permits data, transportation plans and other capital improvements plans. These resources were used to geographically allocate growth by traffic analysis zone across the region. The final and most important qualitative input was "planners' judgment", meaning the collective knowledge of planning officials and staff about the development patterns and development potential of specific areas within their jurisdictions. MPO staff reviewed projections by county or city with local planners and presented population and employment density maps to technical and elected boards.

Refer to **Attachment A** for the list of variables projected for use in the travel demand model.

9. Travel Demand Model: Metrolina Regional Model (MRM)

The regional travel demand model is a four-step model developed for a 2-state, 11- county (9 whole, 2 partial) region (refer to **Attachment B**). The modeling area encompasses 4 MPOs and 2 RPOs.

As described previously, a multitude of land use and demographic data was collected as input into the model. Additional data collected includes transit and highway network data as well as multiple travel surveys. Transit data collected includes routes, headways, and travel times. Refer to [Attachment C](#) for the highway network data dictionary. Following is a list of the travel surveys completed:

- 2001 External Travel Survey;
- 2002 Household Travel Survey;
- 2003 Workplace Survey; and
- 2009 On-board Transit Survey of Express and Local Buses and South Corridor Light Rail Transit (LRT) Survey and Counts

The model team has implemented several improvements to the Metrolina Regional Model. Improvements that potentially affect VMT and travel speeds include:

- 2005 calibration using TransCAD 5.0, 2005 socio-economic data, and 2005 count data;
- Mode choice model calibrated to the 2009 on-board transit survey and count data, to reflect recent ridership information related to the CATS LRT project, which opened in November 2007.

A number of other improvements were implemented to improve model operating speed and efficiency. Minor network and modeling errors and bugs have been repaired when identified.

10. Mode Split / Mode Choice:

The nested logit mode-choice model is structured similar to the Houston-Galveston Area Council's regional travel model. Nesting and mode constants were developed using CATS's on-board ridership survey conducted in 2009.

Transit paths include in-vehicle travel time, out-of-vehicle time (walking / driving and waiting), transfers, and direct cost (fare, parking). Four trip purposes are modeled. For the Home-Based Work, Home-Based-Other, and Home-Based University trip purposes, the potential transit Council's regional travel model. Nesting and mode constraints were developed using CATS's on-board ridership survey conducted in 2009.

Walk, drive, and drop-off approaches are handled in the nesting structure. Parking is provided at selected suburban stations.

The mode choice model was developed under contract with AECOM Consult

11. Local Street Count & VMT Estimate:

Vehicle miles of travel (VMT) – the sum of the distance that each vehicle travels during a specified period (day, year, etc.) – is the most typical measure of the level of travel in an area. Like most statistics, it is still impossible to actually measure. To do so, *all* vehicles would have to be monitored all day. The most common method of estimating VMT uses traffic counts. We have a large count database from CDOT, NCDOT, and SCDOT including counts from 2000 – 2006. Each count will be factored to the base year (2005). Average Daily Traffic volumes will be factored to Average Weekday volumes. The adjusted base-year weekday counts are then aggregated by County and functional class. The average (mean) volume for each county / functional class will be multiplied by the number of road miles to obtain VMT. For future year estimates, the travel demand model, calibrated to the base year counts and VMT, will provide VMT for thoroughfares (VMT = assigned volume * length).

Local streets make up 60%-70% of the roadway miles, but a much smaller fraction of VMT. Most serve to accumulate traffic from neighborhoods. The bulk of the trip is then made on thoroughfares (that are modeled). Few local streets are included in the model. Counts are sporadic and usually concentrated on local streets experiencing traffic problems. Many of the local streets are represented by zonal centroid connectors in the model. We will use the centroid connectors times 2 to better approximate actual local VMT. VMT derived with this method compares favorably with local VMT estimated using street miles and assumed volumes. The centroid method provides a better method of relating VMT to high growth TAZs.

12. Rural (Donut) Area Projects

The rural areas do not develop long range transportation plans like the MPOs. The rural area's projects that are included in the conformity regional emissions analysis (REA) come from the State TIP. It is NCDOT's position that projects that are in the State TIP and have right of way or construction phases scheduled in the first seven years should be included in the REA. In addition, for rural areas adjacent to an MPO the MPO may extend projects outside their boundary to a logical terminus. The MPO may include the portion outside of their MPO boundary in the financial element of their LRTP.

13. VMT Adjustments:

No VMT adjustments unless the 1-hour ozone MVEBs and/or the old CO MVEBs are used.

14. Motor Vehicle Emissions Budgets

The Metrolina area is non-attainment for the 8-hour ozone standard (Gaston, Mecklenburg, Cabarrus, Rowan, Union, Lincoln, Iredell County (part)) and maintenance for the CO standard (Mecklenburg).

- a. Current SIP: Mecklenburg County is maintenance for the Carbon Monoxide (CO) standard. A MVEB was established for 2015 and emission limits based on the MVEB is indicated below:

CO: Current CO SIP (tons/day)				
Area	Comparison Year			
	2015	2025	2035	
Mecklenburg	470.18	470.18	470.18	

***The MVEB for 2015 will be used for the 2025 and 2035 comparison since 2015 is the last year that a MVEB is provided for CO*

b. 1-Hour Ozone SIP: A 2005 MVEB was established for VOC and NOx and the emission limits based on the MVEBs is indicated below:

1-Hour Ozone SIP NOx (tons/day)				
Area	Comparison Year			
	2015	2025	2035	
Mecklenburg	33	33	33	
Gaston	8.7	8.7	8.7	

1-Hour Ozone SIP VOC (tons/day)				
Area	Comparison Year			
	2015	2025	2035	
Mecklenburg	25.9	25.9	25.9	
Gaston	5.7	5.7	5.7	

***The MVEB for 2005 will be used for the 2015, 2025 and 2035 comparison since 2005 is the last year that a MVEB is provided for NOx and VOC*

c. Proposed 8-hour Ozone RFP SIP MVEBs. The Metrolina area is non-attainment for the 8-hour ozone standard (Cabarrus, Gaston, Iredell, Lincoln, Mecklenburg, Rowan, and Union). The proposed RFP SIP has MVEBs for NOx and VOCs.

NOx: Proposed 8-hour Ozone RFP SIP (kilograms/day)				
Area	Comparison Year			
	2010	2015	2025	2035
Cabarrus	7324	7324	7324	7324
Gaston	7647	7647	7647	7647
Iredell*	5637	5637	5637	5637
Lincoln	2948	2948	2948	2948

Mecklenburg	34526	34526	34526	34526
Rowan	7193	7193	7193	7193
Union	5660	5660	5660	5660

VOC: Proposed 8-hour Ozone RFP SIP (kilograms/day)				
Area	Comparison Year			
	2010	2015	2025	2035
Cabarrus	6941	6941	6941	6941
Gaston	5132	5132	5132	5132
Iredell*	3601	3601	3601	3601
Lincoln	2726	2726	2726	2726
Mecklenburg	26368	26368	26368	26368
Rowan	6149	6149	6149	6149
Union	6299	6299	6299	6299

**Iredell County is a partial county*

15. Control Strategies: Emission reduction credits will be taken for the following on-road mobile SIP commitments or Federal programs. Currently there are no TCMs in the Metrolina Area SIPs.

<u>Strategy</u>	<u>Methodology/Approach</u>
<i>I/M Program model</i>	<i>Accounted for in Mobile6.2</i>
<i>Tier 2 vehicle's Emission Standards model</i>	<i>Accounted for in Mobile6.2</i>
<i>Low Sulfur Gasoline and Diesel fuels model</i>	<i>Accounted for in Mobile6.2</i>
<i>Heavy Duty Vehicle Rules 2004 and 2007 model</i>	<i>Accounted for in Mobile6.2</i>
<i>Low RVP Gasoline model</i>	<i>Accounted for in Mobile6.2</i>
<i>On board vapor recovery model</i>	<i>Accounted for in Mobile6.2</i>

16. Mobile Source Emission Reduction Strategies: The MPO's will take emission credits for the following Mobile Source Emission Reduction Strategies. **(Anna will email the MPOs to request needed data for off model reductions analysis such as van pooling, incident management, signal coordination and park-n-ride lots, etc. This information will be due to Anna by 9.1.09)**

Strategy	Approach	Year(s) Credited
<i>Park-n-Ride Lots:</i>	<i>Off model</i>	<i>2015, 2025, 2035</i>

<i>Vanpools:</i>	<i>Off Model</i>	<i>2015, 2025, 2035</i>
<i>ITS</i>	<i>Off Model</i>	<i>2015, 2025, 2035</i>

17. Mobile Model Settings: The following model-input parameters will be used in the conformity analysis.

- **Eight Hour Ozone Nonattainment Area:** Cabarrus, Gaston, Lincoln, Mecklenburg, Rowan, Union Counties, and the southern portion of Iredell County (Coddle Creek and Davidson Townships)
- **CO Maintenance Area:** Mecklenburg County

Mobile 6.2 Model

Charlotte Region MPOs/RPOs (rural area)

Mobile Model Settings common for all analyses: The following MOBILE model-input parameters will be used in the conformity analysis.

Parameter	Details	Data Source
a. <i>Emissions Model Version(s):</i>	Mobile 6.2	
b. <i>Time Periods:</i>	4 times of day: See item #24 below	
c. <i>Vehicle Classes:</i>	16	
d. <i>VMT mix:</i>	The 2008 count data will be used to generate the statewide VMT mix using the August 2004 USEPA guidance methods. This statewide VMT mix will be adjusted with the Metrolina local data. For interstates and freeways, the Statewide mix will be used since there is no local data available for these road types.	
e. <i>Speeds:</i>	Regional Model MRM09v1	
f. <i>Vehicle age distribution:</i>	The vehicle age distribution will be based on 2008 registration data.	
g. <i>I/M Program:</i>	Idle test for 2002 runs in Gaston, Mecklenburg, Union, and Cabarrus Counties. OBD-II for 2010, 2015, 2025 and 2035 runs in all Metrolina Counties.	
h. <i>Anti-tampering Applicability:</i>	Applies to vehicles 35 years and newer <ul style="list-style-type: none"> • 2002 run: 1968 and newer • 2010 run: 1976 and newer • 2015 run: 1981 and newer • 2025 run: 1991 and newer • 2035 run: 2001 and newer 	
i. <i>Strategies:</i>	None	
j. <i>I/M Fraction:</i>	Will be based on the 2007 accident data.	

k. *Vehicle Starts Data*

Local Data

Mobile Model Settings unique to CO analysis: The following MOBILE model-input parameters will be used in the conformity analysis.

Parameter	Details	Data Source
a. <i>Emission Model Runs:</i>	Typical Winter Weekday	
b. <i>Pollutants Reported:</i>	CO	
c. <i>Emissions Budget Years:</i>	2015	
d. <i>Emissions Analysis Years:</i>	2015, 2025, 2035	
e. <i>Max/Min Temperature:</i>	50.5 max & min	
f. <i>RVP:</i>	15.0 psi	
g. <i>Evaluation month:</i>	January	
h. <i>VMT:</i>	Regional Model MRM09v1	

Mobile Model Settings unique to 8-hr Ozone interim test analysis (1-hr ozone MVEBs for Mecklenburg and Gaston and less than baseline and build/no build tests): The following MOBILE model-input parameters will be used in the conformity analysis.

Parameter	Details	Data Source
a. <i>Emission Model Runs:</i>	Typical Summer Weekday	
b. <i>Pollutants Reported:</i>	VOC and NOx	
c. <i>Emissions Budget Years:</i>	2005 (1-hr ozone budgets) for Mecklenburg & Gaston	
d. <i>Emissions Analysis Years:</i>	2002 (comparison for interim test), 2010, 2015, 2025, 2035	
e. <i>Max/Min Temperature:</i>	89/63 max/min for VOC for Gaston & Mecklenburg 95/66 max/min for NOx for Gaston & Mecklenburg 56-yr avg. July temp profile from CLT for Donut area	
f. <i>Relative Humidity (RH):</i>	6-yr avg. July RH profile based on 1-hr SIP temps from Gastonia for Gaston 56-yr avg. July RH profile based on 1-hr SIP temps from CLT for Mecklenburg No RH data used for Donut area	
g. <i>Barometric Pressure:</i>	30	
h. <i>RVP:</i>	7.8 psi for Gaston and Mecklenburg 9.0 psi for Donut area	
i. <i>Evaluation month:</i>	July	
j. <i>VMT:</i>	Regional Model MRM09v1	

- The VMT for Mecklenburg and Gaston can be normalized if needed.

Mobile Model Settings unique to 8-hr Ozone Proposed RFP SIP: The following MOBILE model-input parameters will be used in the conformity analysis.

Parameter	Details	Data Source
a. Emission Model Runs:	Typical Summer Weekday	
b. Pollutants Reported:	VOC and NOx	
c. Emissions Budget Years:	2008	
d. Emissions Analysis Years:	2002 (for comparison), 2010, 2015, 2025, 2035	
e. Hourly Temperatures:	July 2002 average temperature from Charlotte Douglas International airport for 24 hours for NOx and VOC for all counties.	
f. Relative Humidity (RH):	July 2002 average relative humidity from Charlotte Douglas International airport for 24 hours for NOx and VOCs for all counties.	
g. Barometric Pressure:	30	
h. RVP:	7.8 psi for Gaston and Mecklenburg 9.0 psi for the remaining counties	
i. Evaluation month:	July	
j. VMT:	Regional Model MRM09v1 The VMT for Mecklenburg and Gaston can be normalized if needed.	

The actual temperature & RH profiles discussed above are provided below:

Gaston County 6-yr average July RH profile based on 1-hr SIP temperatures:

VOC

RELATIVE HUMIDITY : 100. 100. 100. 91. 76. 65. 58. 54. 53. 53. 54. 57.
62. 69. 75. 83. 88. 93. 98. 100. 100. 100. 100.
100.

NOx

RELATIVE HUMIDITY : 100. 100. 96. 80. 65. 55. 49. 45. 44. 44. 45. 48.
52. 58. 65. 72. 77. 80. 86. 90. 93. 96. 97. 99.

Mecklenburg County 56-yr average July RH profile based on 1-hr SIP temperatures:

VOC

RELATIVE HUMIDITY : 100. 100. 93. 79. 66. 56. 49. 46. 44. 44. 45. 48.
52. 58. 65. 71. 75. 81. 85. 88. 92. 94. 95. 99.

NOx

RELATIVE HUMIDITY : 92. 92. 83. 69. 56. 48. 41. 38. 37. 36. 37. 39.
40. 49. 56. 61. 65. 71. 75. 78. 82. 84. 85. 89.

Donut area 56-yr average July temperatures:

HOURLY TEMPERATURES: 67.7 69.5 73.0 75.7 77.9 80.2 81.8 82.6 83.7 84.0 83.3
82.4
80.7 78.4 76.1 74.4 72.7 71.7 70.6 69.5 68.9 68.1 67.2
67.1

Temperature and RH profiles used in 8-hr Ozone SIP budgets:

HOURLY TEMPERATURES: 71.0 73.8 77.0 80.3 82.5 85.4 87.3 88.5 89.1 88.5 89.6
89.2
86.3 82.6 77.8 77.5 76.2 75.9 75.0 74.0 73.2 82.3 71.6
71.0

RELATIVE HUMIDITY : 91. 86. 78. 71. 65. 59. 53. 50. 48. 51. 47. 47.
53. 61. 70. 71. 76. 77. 79. 83. 85. 87. 88. 91.

18. Emissions analysis units, conversion factors, significant figures, rounding and truncating conventions:

Units= Kilograms or Grams

Grams to tons conversion factor= Divide x grams by 907184.7 to get tons

Round to 2 decimal places

CO: use 2 decimal places

1 Hour Ozone (VOC & NOx): 1 decimal place

19. CMAQ Projects: The Metrolina area MPOs/RPOs will include a spreadsheet in the conformity documentation showing status of funded CMAQ projects, including emission reductions for each, amount of funding for each project, and implementation dates. *(each MPO/RPO area will provide this information by August 2009)*

20. Regionally Significant Projects (Federal and Non Federal): *(each Metrolina area MPO/RPO will provide this information by August 2009)*

21. List of Exempt Projects and Non-Regionally Significant Projects (Federally Funded): The Metrolina area MPOs/RPOs will identify exempt projects according to the Conformity Regulation (40 CFR 93.126) and non-regionally significant projects as a backup plan in the event of a conformity lapse. A discussion on the purpose of this can be a part of the conformity determination report (CDR) and the list of projects can be added as an appendix in the CDR. *(each Metrolina area MPO/RPO area will provide this information by the end of August 2009)*

22. Conformity Schedule: *(A draft conformity schedule has been developed and is provided as an attachment to this document)*

23. Conformity Determinations: Four organizations will be responsible for making conformity determinations in four distinctive parts of the Metrolina non-attainment/maintenance areas:

- i. The MUMPO within its metropolitan area boundary (MAB) - all of Mecklenburg County and part of Union County
- ii. The GMPO within its metropolitan area boundary-a part of Gaston County
- iii. The CRMPO within its metropolitan area boundary-all of Cabarrus and Rowan Counties

- iv. The NCDOT for the rural areas comprised of those parts of Gaston and Union Counties that are outside of any MPO MAB, part of Iredell County, and all of Lincoln County

Each of these responsible organizations must make a conformity determination for its respective area in order for all of the areas to be designated in conformity.

24. Other

- Any reference to York County in this document has been removed since EPA has made the 8-hour ozone designations. Although a portion of York County, South Carolina was designated as part of the bi-state Charlotte 8-hour ozone nonattainment area, they are allowed to demonstrate transportation conformity independent of the North Carolina portion of this nonattainment area. Therefore, the planning assumptions and methodologies used for the York County, South Carolina portion of this nonattainment area is reflected in a separate transportation conformity determination that is generated by the Rock Hill-Fort Mill Area Transit Study Metropolitan Planning Organization.
- The techniques used for this conformity process are the following:
 - VMT and speed will be done for 4 times of day (the 4 times of days are summed for the regional emissions analysis)
 - 6:30 am - 9:30 am
 - 9:30 am - 3:30 pm
 - 3:30 pm - 6:30 pm
 - 6:30 pm - 6:30 am
 - Off model work (applied to all scenarios):
 - ITS enhanced
 - Signal System
 - Vanpool
 - Updated starts from the new model were added

25. SAFETEA-LU COMPLIANT LRTP UPDATE - FHWA Review and Validation FHWA planner (Loretta Barren) will be in contact with the Metrolina Area MPOs to determine the timeline for this review and validation.

Appendix C

Metrolina Region Long-Range Transportation Plan and Conformity Plan

Interagency Consultation Meeting

ACTION & FOLLOW-UP ITEMS/NOTES

January 12, 2010

ATTENDEES

CDOT: Joe McLelland, Anna Gallup, Eldewins Haynes

NCDOT:

MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT:

Cabarrus-Rowan MPO: Phil Conrad

Gaston MPO: Hank Graham, Bernie Yacobucci, Vincent Wong

RFATS:

Lake Norman RPO:

Rocky River RPO:

FHWA: Loretta Barren, Eddie Dancausse

NCDAQ: Janice Godfrey, Vicki Chandler

SCDHEC:

Kimley-Horn:

EPA: Dianna Smith, LaCosta Ward

NCDOT: Jamal Alavi, Linda Dosse, Terry Arellano, Mark Smith, Derry Schmidt, Earlene Thomas

SCDOT:

Mecklenburg Co. AQ:

NC Turnpike Authority: John Burris

Union Co.:

ITEMS DISCUSSED:

UPDATE ON New Ozone SIP:

The RFP SIP was signed by EPA. No comments were received during EPA's comment period. Motor Vehicle Emissions Budgets should be available once published in the Federal Register.

On November 24, 2009, NCDAQ re-submitted a portion of their 2007 attainment demonstration to EPA but supplemental information is required in order for this submittal to be complete. NCDAQ intends to submit supplemental information in late January 2010 to satisfy this. Public comment period to begin February 12th, with final submission expected in April. Once the final supplementary information is received, EPA will do a finding of completeness and respond to NC in that regard via letter stating that the submittal is complete. Additionally, EPA will also publish an informational notice in the Federal Register and this will stop

the sanctions clock and the finding of failure to submit this SIP will no longer be in place. The FIP clock, however, will continue to run until a Federal Register notice has been published approving the attainment demonstration.

Additionally, if CDOT and/or MUMPO desires to withdraw the comments submitted on the Attainment Demonstration, you will need to submit a letter to EPA, addressed to Kenneth Lapierre, Acting Air, Pesticides, and Toxics Management Division Director, asking that we no longer consider the submitted comments. This letter will be inserted into the docket for public access once the Attainment Demonstration is published in the Federal Register.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE:

Model Team sent VMT and speeds to NCDAQ. NCDAQ calculated the emission factors and sent that to the Model Team. NCDAQ had some questions about how speeds were calculated for some rural roads and for some years. Joe McLelland and Craig Gresham will be the point of contact to iron out any differences resulting from review by the MPOs, EPA, and DAQ.

CONFORMITY PROCESS SCHEDULE:

Eddie Dancausse mentioned the refinements made to the schedule. He noted that that the MPOs need to adopt TIP changes at the same time the LRTP and CD is adopted (between 3/20-3/24)

MPO LRTP UPDATES:

The regionally significant/exempt lists have been completed. Decisions have been reached on what projects need to be in the TIP amendment (and these changes have all been modeled). All MPOs have completed their respective LRTPs.

ACTION ITEMS:

The following resolutions will be needed:

- **MUMPO**
 - 2035 LRTP Adoption
 - 09-15 TIP Amendment Adoption
 - 2035 LRTP Conformity Determination
 - 09-15 TIP Conformity Determination

- **Gaston MPO**
 - 2035 LRTP Adoption
 - 2035 LRTP Conformity Determination
 - 09-15 TIP Conformity Determination

- **Cabarrus Rowan MPO**
 - 2035 LRTP Adoption
 - 2035 LRTP Conformity Determination
 - 09-15 TIP Conformity Determination

- **NCDOT**
Conformity Determination for the Donut Areas (Gaston, Iredell, Lincoln, Union)
- Resolve any differences regarding modeled speeds resulting from review by the MPOs, EPA, and DAQ. **Responsibility:** Joe McLelland and Craig Gresham
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, February 9, 2010, from 10:30 - noon.**

December 08, 2009

ATTENDEES

CDOT: Joe McLelland
NCDOT: Anil Panicker
MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT: Anna Gallup
Cabarrus-Rowan MPO:
Gaston MPO: Hank Graham
RFATS:
Lake Norman RPO: Bill Duston
Rocky River RPO: Dana Stoogenke
FHWA: Loretta Barren, Eddie Dancausse
NCDAQ: Janice Godfrey, Heather Hildebrandt, Steve Liu
SCDHEC:
Kimley-Horn: Craig Gresham, Tim Padgett
EPA: Dianna Smith, LaCosta Ward
NCDOT: Jamal Alavi, Linda Dosse, Terry Arellano, Dan Thomas, Shannon Ransom, Mark Smith
SCDOT:
Mecklenburg Co. AQ: Alan Giles
NC Turnpike Authority: John Burris
Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

The RFP SIP was completed and submitted to EPA. Comments from EPA have been addressed. All information has been posted to the NCDAQ website (http://ncair.org/planning/CLTGastRHozoneredesig_progress.shtml). EPA has the budget proposal and has begun the process to determine adequacy. The 30 day public comment period began Dec. 3. If comments are received, the comment period is extended an additional 15 days. If all goes well, EPA could publish adequacy finding in late February or early March, 2010.

DAQ is preparing supplemental info for the attainment SIP. Upon completion, both the original attainment SIP and the supplemental information will be released for public comment at the same time. DAQ is not quite ready to propose a date for that release.

I-485: Jamal Alavi (NCDOT) reiterated that NCDOT is committed to completing the I-485 project in northeast Mecklenburg. An Industry Forum was held in Charlotte last Thursday (12/3).

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE:

DAQ: Steven Liu will be out 12/14-29. Vicki Chandler will be out for two weeks. Janice Godfrey will be out for a week. With these absences, it may take longer than three weeks for DAQ review.

Model team: The schedule called for draft results by 12/2/09. Draft travel demand model runs are completed for all years and scenarios. The model team received comments and revisions to project lists through Thanksgiving week. These have not been included in the draft numbers, but will be included in the final round. Revisions are in northeast Mecklenburg and Gaston Counties. Draft speeds for Iredell, Lincoln, Rowan and Union are unlikely to change much, however VMT will change slightly for all counties. The draft speeds and draft local starts data are to be submitted for DAQ review by end of the day. With tight scheduling, speed data, starts data, and VMT for the final run are to be submitted to Vicki, Steven and Janice.

Budget test and interim tests: Eddie asked if the modeling indicated if we would be able to pass both the proposed budget tests and the interim tests. The model team indicated that the budget test could be passed, but we may need to shift some projects to pass the interim tests. Eddie indicated that we could go out for public review with tests against the proposed budgets only, but that we should not undertake any MPO action until EPA declared the budgets adequate. The group decided to go forward with only the budget tests at this time. If the budgets are not found adequate, we would need to revise plans and begin new rounds of modeling with different project scenarios to pass the interim tests. If we must go to interim tests, we would need to go back out to the public with the new project lists and conformity findings.

CONFORMITY PROCESS SCHEDULE:

Final modeling with adopted project lists including I-485 in Mecklenburg and I-85 widening in Cabarrus to Poplar Tent Road would be completed. All VMT and speeds with budget tests would be forwarded to DAQ by 12/18/09.

With various delays, scheduled MPO actions at the end of March, 2010 may not be possible. The end of April may be more likely. Given the number of unknowns, we should wait until the January IC to decide on schedule updates.

MPO LRTP UPDATES:

GUAMPO has two chapters left to complete, final draft is on schedule. Hank will talk to Eddie this week about comments.

MUMPO approved the draft project list with “no new revenue” scenario. The approved list includes I-485 in the 2015 horizon year. The MPO removed one locally funded project from the list - one-way pair of NC 115 in Huntersville. Bob reviewed Eddie’s comments and had sent changes back to Eddie today.

ACTION ITEMS:

- Model team will provide draft speed data and local starts data to NC DAQ for Rowan, Union, Iredell and Lincoln counties for 2010, 2015, 2025 and 2035 today. **RESPONSIBLE PARTY:** Model Team
 - Model team will provide final speed, VMT, starts data to NC DAQ for all counties for 2010, 2015, 2025 and 2035 by Dec. 18, 2009.
RESPONSIBLE PARTY: Model Team
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, January 12, 2010, from 10:30 - noon.**

November 10, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland

NCDOT: Anil Panicker

MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT: Anna Gallup

Cabarrus-Rowan MPO: Phil Conrad

Gaston MPO: Bernie Yacobucci

RFATS:

Lake Norman RPO: Bjorn Hansen

Rocky River RPO:

FHWA: Loretta Barren, Eddie Dancausse

NCDQA: Janice Godfrey, Heather Hildebrandt, Steve Liu

SCDHEC:

Kimley-Horn: Craig Gresham, Tim Padgett

EPA: Dianna Smith, LaCosta Ward

NCDOT: Jamal Alavi, Linda Dosse, Terry Arellano, Mike Bruff

SCDOT:

Mecklenburg Co. AQ: Alan Giles

NC Turnpike Authority: John Burris

Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

The RFP SIP public comment ends 11/13/2009. All information has been posted to the NCDAQ website (http://ncair.org/planning/CLTGastRHozoneredesig_progress.shtml). DAQ still needs to resolve other issues with EPA before completing the attainment SIP.

TCCP Update: The Consensus Plan updated again (10/28/09) to include RFP SIP and budgets. Also, the draft budgets will be updated to match those in the RFP document. DAQ commented that the min/max temperature used in MOBILE6 CO calculations should be 50. Steven Liu had also submitted a detailed list of MOBILE6 options. NCDAQ internally uses a similar checklist. After some discussion, it was agreed to not put all that in the TCCP, but it may be in an appendix of the CD.

OFF-MODEL ANALYSIS FOR MPOs: Model Team has received all necessary data from MPOs. Anna Gallup will work with CDOT staff for off-model calculations.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: The interim tests will need off-model calculations to pass. However, modeling has been complicated by the I-485 completion announced by Gov. Perdue the day before this meeting. NCDOT therefore asked I-485 (road completion, interchange, and I-85 widening) be from the 2025 horizon to the 2015 horizon. This could also have TIP update implications, if projects change in the first four years of the 2009-15 TIP. FHWA (Dancousse) recommended that any TIP changes related to the I-485 project, I-85 project and the Garden Parkway Project be done in parallel with the 2035 LRTP conformity process that is currently underway. Doing the TIP amendments now in parallel with the LRTP update/conformity process will eliminate an additional future TIP conformity process to make the corrections. Mike Bruff will discuss this with the TIP Development Unit to determine if this approach is feasible given the grace lapse period ending in May, 2010. Coordination on the TIP changes will also need to take place with the MPOs. NCDOT will work on these details.

Craig estimated 2 weeks for modeling after MUMPO endorses its “no new revenue” scenario. The Modeling team (Gresham/Gallup/McLelland) will provide NCDAQ with a date (early December?) when the speeds will be provided to them by 11/12/09. This information will be shared with the transportation partners.

Based on external factors (MUMPO project list final approvals, etc.) the transportation/AQ modeling will be delayed. This will result in the draft Metrolina Conformity Determination Report not being completed in time to make the 12/1/09 public/agency review and comment period. Potentially looking at an overall 2 to 4 week schedule delay.

MPO LRTP UPDATES: MUMPO TCC will meet on 11/12/09 to discuss the recommended actions for the 11/18/09 TAC meeting. MUMPO TAC will meet on 11/18/09 to adopt the no revenue scenario of the 2035 LRTP project list.

GUAMPO TCC and TAC will get approval to release the 2035 LRTP when it becomes available for public comment.

ACTION ITEMS:

- NCDOT will provide information to the MPOs and the interagency consultation partners on recent changes related to the I-485 project (MUMPO) and the I-85 additional lane (CRMPO) project and how they will need to be modeled for the 2035 LRTP update. NCDOT will provide information on how the projects are currently represented in the 2035 LRTP and what changes/adjustments need to be made to the LRTP/transportation & AQ model based on the Governor's/NCDOT's latest decision on those projects. **RESPONSIBLE PARTY:** Jamal Alavi
- NCDOT will discuss this with the TIP Development Unit to determine if a parallel TIP update for the I-485 completion is feasible. Coordinate the details of the TIP changes with the MPOs. **RESPONSIBLE PARTY:** Mike Bruff, Jamal Alavi
- Provide NCDAQ with a date when the speeds will be provided to them by Thursday (11/12/09). This information will be shared with the transportation partners. **RESPONSIBLE PARTY:** Modeling Team
- Endorse 2035 project list (likely "no new revenue"). **RESPONSIBLE PARTY:** MUMPO
- Complete remaining draft LRTP documents. **RESPONSIBLE PARTY:** GUAMPO, MUMPO
- FHWA (Dancausse) will update the conformity process schedule (CPS) based on the latest modeling work completion information and will send out the CPS to the transportation partners prior to the next IC meeting on 12/8/09.

OTHER ITEMS OF NOTE: On November 12, NCDAQ resubmitted its 2007 ozone SIP for the Metrolina nonattainment region to EPA, and then submit supplemental information. The supplemental information would include the 2009 ambient air quality data showing the area qualifies for a one-year extension and the 2011 modeling as weight of evidence that the Metrolina region would attain the standard by June 15, 2011.

- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, December 8, 2009, from 10:30 - noon.**

October 13, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland

CALL-IN ATTENDEES

MUMPO: Bob Cook

CDOT: Anna Gallup

Cabarrus-Rowan MPO: Phil Conrad

Gaston MPO: Bernie Yacobucci

RFATS:

Lake Norman RPO: Bjorn Hansen

Rocky River RPO: Dana Stoogenke

FHWA: Loretta Barren, Eddie Dancausse

NCDAQ: Janice Godfrey, Heather Hildebrandt, Laura Boothe, Steve Liu

SCDHEC:

Kimley-Horn: Craig Gresham

EPA: Dianna Smith, Lynorae Benjamin

NCDOT: Jamal Alavi, Derry Schmidt, Linda Dosse, Mark Smith, Earlene Thomas, Shannon Ransom

SCDOT:

Mecklenburg Co. AQ: Alan Giles

NC Turnpike Authority: John Burris

Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

DAQ has developed budgets as part of a 2008 Reasonable Further Progress document. The RFP budgets are out for public comment until 11/13/2009. All information has been posted to the NCDAQ website (http://ncair.org/planning/CLTGastRHozoneredesig_progress.shtml). EPA can complete the budget adequacy process in about 3 months after posting, if there are no comments. DAQ still needs to resolve other issues with EPA before completing the SIP.

TCCP Update: The Consensus Plan will have to be updated again to account for a 2010 attainment year instead of 2011. Other horizon years (2015, 2025, 2035) remain the same. Also, the draft budgets will be updated to match those in the RFP document.

OFF-MODEL ANALYSIS FOR MPOs: Model Team has received all necessary data from MPOs. Anna Gallup will work with CDOT staff for off-model calculations.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: The runs for all the budget and interim tests and SIP data have been set up. This includes the

following years: 2002, 2005, 07, 08, 10, 15, 20, 25, 30, and 2035. Run execution awaiting MUMPO to adopt a plan. Kimley-Horne to meet with CDOT and MUMPO next week to confirm input files. Runs can be completed about 7-10 days after MUMPO endorses a project list. Scheduled completion of conformity runs is mid October.

MPOs, RPOs, and FHWA are reviewing the regionally significant and exempt project lists. This should be completed in the next 1-2 weeks.

MPO LRTP UPDATES: MUMPO leaning toward the “no new revenue” from among the four scenarios modeled in September. The project list would be endorsed on October 21. The LRTP should be ready next month.

GUAMPO sent three chapters to Loretta Barren for comment.

ACTION ITEMS:

- Endorse project list. **RESPONSIBLE PARTY:** MUMPO
- Complete the regional modeling analysis by mid November.
RESPONSIBLE PARTY: Model Team
- Complete remaining draft LRTP documents. **RESPONSIBLE PARTY:** GUAMPO, MUMPO
- Coordinate project lists from TIPS/STIPs and verify which projects are exempt and which are regionally significant. **RESPONSIBLE PARTY:** Jamal Alavi, Eddie Dancausse
- Set up meeting between Phil Conrad and other MPOs on who is responsible for printing and paying for Conformity Document hard copies to distribute for public comment. **RESPONSIBLE PARTY:** MPOs, Eldewins Haynes

OTHER ITEMS OF NOTE:

- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, November 10, 2009, from 10:30 - noon.**

September 8, 2009

ATTENDEES

CDOT: Eldewins Haynes

MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT: Anna Gallup
Cabarrus-Rowan MPO: Phil Conrad
Gaston MPO:
RFATS:
Lake Norman RPO: Bjorn Hansen
Rocky River RPO: Dana Stoogenke
FHWA: Loretta Barren, Eddie Dancausse, Brad Hibbs, James Dahlem
NCDAQ: Janice Godfrey, Heather Hildebrandt, Donnie Redmond, Laura Boothe, Steve Liu
SCDHEC:
Kimley-Horn: Craig Gresham
EPA: Dianna Smith
NCDOT: Jamal Alavi, Derry Schmidt, Linda Dosse, Mark Smith
SCDOT:
Mecklenburg Co. AQ: Leslie Rhodes
NC Turnpike Authority: John Gresham
Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

The internal review by the partners for the preliminary draft of the ozone SIP ends September 14. Public comment period should begin by late September. Joe McLelland sent DAQ the latest VMT & speeds for Lincoln County for 2011, based on updated socio-economic (SE) data for 2008, and then interpolating SE data between 2008 and 2015. However, the 2011 SE data is not the 2011 SE which will be used in conformity. CRMPO asked for its 2011 SE to be directly entered, and not interpolated by the model team. None of the other MPOs have elected to directly calculate and submit their own 2011 data. Changes in vehicle starts assumptions will need to be discussed in Consultation. Eddie Dancausse asked that the data be sent through him. Budgets would be for the 2011 attainment year. For now, we will continue to look at the budget test and the interim tests, and decide later which way to go. DAQ is working on strengthening its VOC insignificance argument. At the monitors, 2009 data so far supports a 1-year attainment date extension of the 1997 ozone NAAQS (84 ppb).

TCCP attachment A and update items #1 & #8: Anna and Eddie are handling the updates. Discovered need to update #9 (CATS). Items #1 and #8 have been updated. Eddie also reviewed the updated Consensus Plan. Updates included the budget and interim tests, analysis years, etc.

Off-model analysis for MPOs: Almost all necessary data has been submitted. Anna will follow up with any MPOs or RPOs that still need to provide data.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: Craig Gresham to submit later in the week an updated schedule of runs for each week. He will include budget and interim tests. Also working in runs for VMT & speeds for 2007 SIP data request for DAQ. Runs will be for the years 2005, 2007, 2011, 2012, 2015, 2025, and 2035. Scheduled completion of conformity runs is mid October.

HARD COPIES OF CONFORMITY DOCUMENT: Agreement among MPOs as to who makes the hard copies for the public comment period, and who pays for them, has not been resolved. Phil Conrad has not been available to discuss this with the other MPOs. There will be no further updates until the MPOs come to an agreement.

MPO LRTP UPDATES: MUMPO presented a draft of its financially-constrained, ranked project list at public meetings on August 24 at the Charlotte-Mecklenburg Government Center, and in Indian Trail on August 31. Work on draft chapters is continuing. No response from resource agencies invited to review the process via notice on the MUMPO website. Comments will still be accepted beyond the announced deadline of September 20. Work continues on looking at various combinations of projects. The iterations will consider financial as well as air quality implications.

ACTION ITEMS:

- Follow-up with the MPOs to obtain any remaining data for off-model reductions analysis. **RESPONSIBLE PARTY:** Anna Gallup
- Complete the regional modeling analysis by mid October.
RESPONSIBLE PARTY: Model Team
- Complete remaining draft LRTP documents. **RESPONSIBLE PARTY:** GUAMPO, MUMPO
- Project lists from MPOs need to be coordinated and made consistent with the TIP (i.e., which projects are exempt and which are regionally significant). **RESPONSIBLE PARTY:** Model Team, Eddie Dancausse
- Set up meeting between Phil Conrad and other MPOs on who is responsible for printing and paying for Conformity Document hard copies to distribute for public comment. **RESPONSIBLE PARTY:** MPOs, Eldewins Haynes

OTHER ITEMS OF NOTE:

- **NCDAQ update. In late September, EPA expressed concern with a 2011 attainment date, and decided that there would not be a finding of VOC insignificance in the SIP.**
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, October 13, 2009, from 10:30 - noon.**

August 11, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland
MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT:

Cabarrus-Rowan MPO: Phil Conrad

Gaston MPO: Bernie Yacobucci

RFATS:

Lake Norman RPO: Bjorn Hansen

Rocky River RPO: Dana Stoogenke

FHWA: Loretta Barren, Eddie Dancausse

NCDAQ: Janice Godfrey, Heather Hildebrandt

SCDHEC:

Kimley-Horn:

EPA: Dianna Smith

NCDOT: Shannon Ransom, Jamal Alavi, Terry Arellano, Earlene Thomas, Dan Thomas

SCDOT:

Mecklenburg Co. AQ:

NC Turnpike Authority: John Burris

Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP:

A preliminary draft of the ozone SIP will be posted by next week review by the partners prior to the public comment period in September. Budgets would be for the 2011 attainment year. For now, we will continue to look at the budget test and the interim tests, and decide later which way to go. EPA said VOC may also need to be in the conformity emission tests. EPA is working with DAQ about adding VOC into the SIP (DAQ prefers VOC to be declared insignificant). At the monitors, 2009 data so far supports a 1-year attainment date extension of the 1997 ozone NAAQS (84 ppb).

SESARM has decided upon 2007 as the base year for modeling the 75 ppb ozone standard. To that end, DAQ will be asking for 2007 VMT and speed data.

MPO/RPO PROJECT LISTS: A conference call was held in mid-July to discuss the project lists for the non-MPO portion of the Metrolina nonattainment area that will be used for the upcoming conformity analysis. The meeting was initiated to answer questions about what projects should be included in the analysis. NCDOT's position is that projects which are in the STIP and have the right-of-way or construction phases scheduled in the first seven years should be included in the analysis. In addition, for rural areas adjacent to an MPO, the MPO may extend projects outside of their boundary to a logical terminus. The MPO must include the portion outside of their MPO boundary in the financial element of their LRTP. The RPOs have submitted their updated LRTP lists.

TCCP attachment A and update items #1 & #8: Anna and Eddie are handling the updates. Still working out agreement regarding what on-board

survey data the travel demand model is based on. Eddie added that the revised TCCP will include the draft motor vehicle emissions budgets, in the event they are used in the air quality analysis.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: Still on schedule for September. Kimley-Horne continuing to edit the 2008 network base.

Off-model analysis for MPOs: Anna indicated by email before the meeting that she will compile a list of what has and hasn't been received thus far. She will follow up with any MPOs that still need to provide data.

Hard copies of Conformity Document: Arrangements to be agreed upon among MPOs as to who makes the hard copies for the public comment period, and who pays for them.

MPO LRTP UPDATES: CRMPO has written its LRTP for 2015, 2025, 2035.

GUAMPO is reviewing a draft of its LRTP. GUAMPO noted that the Garden Parkway project is only fiscally constrained between I-485 and U.S. 321.

MUMPO released a draft of its financially-constrained, ranked project list on July 15. List to be presented at public meetings on August 24 at the Charlotte-Mecklenburg Government Center, and in Indian Trail on August 31. Work on draft chapters is underway. Resource agencies have been invited to review the process via notice on the MUMPO website. Work continues on looking at various combinations of projects. The iterations will consider financial as well as air quality implications.

ACTION ITEMS:

- Follow-up with the MPOs to obtain any remaining data for off-model reductions analysis. **RESPONSIBLE PARTY:** Anna Gallup
- Discuss with Phil Conrad how many hard copies of the Conformity Document to distribute for public comment. **RESPONSIBLE PARTY:** MPOs, Eldewins Haynes
- Complete the regional modeling analysis by mid October. **RESPONSIBLE PARTY:** Model Team
- Complete draft LRTP documents. **RESPONSIBLE PARTY:** GUAMPO, MUMPO
- FHWA will update the consensus plan to include proposed 8-hr ozone SIP MVEBs and the associated analysis parameters. **RESPONSIBLE PARTY:** Eddie Dancausse
- Joe McLelland will provide FHWA with some text on how to do the interim test for conformity for inclusion in the consensus plan
- RPOs need to submit their projects to the modeling team

OTHER ITEMS OF NOTE:

- **NCDAQ update. Internal draft Metrolina ozone SIP is out on the ftp site <ftp://ftp.ncdenr.org/aq/planning/attain/Metrolina/>. Comments need to be received no later than September 14th. DAQ asks partners not to wait until the last day to submit comments that will need extensive discussions. If in a couple of weeks you all think there is a need for a conference call to discuss issues of concern, let us know and we can arrange it.**
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, September 8, 2009, from 10:30 - noon.**

July 14, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland
MUMPO: Bob Cook
Kimley-Horn:

CALL-IN ATTENDEES

CDOT: Anna Gallup
Cabarrus-Rowan MPO: Phil Conrad
Gaston MPO: Bernie Yacobucci
RFATS:
Lake Norman RPO: Bjorn Hansen
Rocky River RPO:
FHWA: Loretta Barren, Eddie Dancausse
NCDAQ: Janice Godfrey, Vicki Chandler
SCDHEC:
Kimley-Horn:
EPA: Dianna Smith
NCDOT: Shannon Ransom, Linda Dosse
SCDOT:
Mecklenburg Co. AQ:
NC Turnpike Authority: John Burris
Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP: NCDAQ modeling is complete. 2011 and 2012 runs made, though 2012 results won't be used unless needed. A draft of the SIP is being worked on assuming a 2011 attainment year. Results will be shared with partners in early August, and released to the public in September. At the monitors, 2009 data so far supports a 1-year attainment date extension of the 1997 ozone NAAQS (84 ppb).

HPMS VMT FOR MECKLENBURG & GASTON COUNTIES: 2008 HPMS dataset is available. Contact Jamal Alavi to get the data and tell him which format you need.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: Still on schedule for September. Kimley-Horne working on configuring the project list with Cabarrus-Rowan MPO, and continuing to refine the network.

MPO/RPO PROJECT LISTS: Anna in process of working with RPOs to review networks. FHWA again noted RPOs should only look out to the duration of the STIP. Also only modeled projects should be included in the project list for conformity. FHWA/RPOs/NCDOT/ Anna to discuss in a separate meeting.

MPO LRTP UPDATES: MUMPO is working on its project list, and will be looking at various combinations of projects through the summer. The iterations will consider financial as well as air quality implications. MUMPO will present a ranked project list to the TAC on July 15. A financially-constrained list is to be presented at the August TCC meeting, and a special TAC meeting will be held later in August.

GUAMPO has written a draft of several chapters of its LRTP. GUAMPO noted that the Garden Parkway project is only fiscally constrained between I-485 and U.S. 321.

CRMPO has written its LRTP for 2015, 2025, 2035.

ACTION ITEMS:

- RPOs look at STIP projects previously submitted and any revisions for this conformity determination and make sure that they are fiscally constrained. Model team will need to review and code RPO projects.
RESPONSIBLE PARTY: (Dana/Bjorn/Model Team)
- Review TCCP Attachment A and update items #1 & #8 for consistency in TCCP text. **RESPONSIBLE PARTY:** Model Team
- Discuss with Phil Conrad how many hard copies of the Conformity Document to distribute for public comment. **RESPONSIBLE PARTY:** Eldewins Haynes
- FHWA will set up a meeting with NCDOT and RPOs to discuss the rural area projects and to make sure that the modeling is being done consistent with what has been done in the past conformity determinations.
RESPONSIBLE PARTY: FHWA
- Anna will e-mail the MPOs to request needed data for off-model reductions analysis, such as van pooling, incident management, signal coordination, and park-n-ride lots, etc. This information will be due to Anna by 9/1/09.

OTHER ITEMS OF NOTE:

- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, August 11, 2009, from 10:30 - noon.**

June 16, 2009

ATTENDEES

CDOT: Eldewins Haynes, Anna Gallup

MUMPO: Bob Cook

Kimley-Horn: Craig Gresham

CALL-IN ATTENDEES

CDOT:

Cabarrus-Rowan MPO:

Gaston MPO: Vincent Wong

RFATS:

Lake Norman RPO: Bjorn Hansen

Rocky River RPO: Dana Stoogenke

FHWA: Loretta Barren, Eddie Dancausse, Yolanda Morris

NCDAQ: Janice Godfrey

SCDHEC:

Kimley-Horn:

EPA:

NCDOT: Terry Arellano, Derry Schmidt, Linda Dosse

SCDOT:

Mecklenburg Co. AQ:

NC Turnpike Authority:

Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP: NCDAQ modeling is on schedule. 2011 runs made, corrections needed to be made this week. Design values so far look ok with the error. At the monitors, there has been one exceedance (76 ppb, in Rowan Co.) of the new ozone NAAQS. No exceedances yet of the 1997 ozone NAAQS.

HPMS VMT FOR MECKLENBURG & GASTON COUNTIES: Joe McLelland has 2007 data. Will use 2008 data if available.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: Gaston MPO working on updated to its project list. Cabarrus-Rowan MPO has endorsed the 2015, 2025, 2035 horizon years.

MUMPO is working on its project list, and will be looking at various combinations of projects through the summer. The iterations will consider financial as well as air quality implications. MUMPO to have a ranked project list to TCC July 9, and to the TAC on July 15. A financially-constrained list is to be presented at the August TCC meeting, and a special TAC meeting will be held later in August.

RPOs reviewed maps for previous project lists and have made adjustments out to 2035. FHWA noted RPOs should only look out to the duration of the STIP. FHWA asked to review the RPO lists developed. Anna Gallup noted that STIP projects begin in 2015.

INPUT PARAMETERS FOR 2011 MVEB: Janice Godfrey reviewed the input parameters and MVEB which were distributed with the meeting agenda. There were no comments from the group, but comments can still be sent to Janice.

CONFORMITY SCHEDULE: A Mid-March completion still seems reasonable. MUMPO noted multiple iterations of the Travel Demand Model may be needed to evaluate various project list options. Time has been built into the schedule to allow for this.

It was suggested that Eldewins discuss with Phil Conrad how many hard copies of the Conformity Document to distribute for public comment. The agreed-upon procedure would then be brought to the group. It was widely accepted within the group that electronic copies would be sent for the various partners to review.

ACTION ITEMS:

- Submit project lists to Anna Gallup in priority order (project by project, not simply by horizon year) and include project costs as well. **RESPONSIBLE PARTY:** MPOs
- RPOs to provide project lists to Anna Gallup for review. **RESPONSIBLE PARTY:** Dana Stoogenke, Bjorn Hansen
- Review TCCP Attachment A and update items #1 & #8 for consistency in TCCP text. **RESPONSIBLE PARTY:** Model Team
- Discuss with Phil Conrad how many hard copies of the Conformity Document to distribute for public comment. **RESPONSIBLE PARTY:** Eldewins Haynes

OTHER ITEMS OF NOTE:

- Jamal reports that 2008 HPMS data was submitted to FHWA in mid June. The data set has been accepted, pending a few minor corrections/revisions. Within the next few weeks, the data may be distributed for use in the AQ Conformity analysis. Jamal will check on it again and as soon as it is official, he will inform all partners.

- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, July 14, 2009, from 10:30 - noon.**

May 12, 2009

ATTENDEES

CDOT: Eldewins Haynes, Joe McLelland
MUMPO: Bob Cook

CALL-IN ATTENDEES

CDOT: Anna Gallup
Cabarrus-Rowan MPO: Phil Conrad
Gaston MPO: Hank Graham, Bernie Yacobucci
RFATS:
Lake Norman RPO: Rebecca Yarbrough
Rocky River RPO: Dana Stoogenke
FHWA: Loretta Barren, Eddie Dancausse, Yolanda Morris
NCDAQ: Janice Godfrey
SCDHEC:
Kimley-Horn: Craig Gresham, Tim Padgett
EPA:
NCDOT: Terry Arellano, Dan Thomas, Shannon Ransom, Jamal Alavi, Linda Dosse, Derry Schmidt
SCDOT:
Mecklenburg Co. AQ:
NC Turnpike Authority:
Union Co.:

ITEMS DISCUSSED:

DAQ UPDATE ON New Ozone SIP: NCDAQ modeling is on schedule. Finishing data inventories, and first runs should be made by early June. DAQ will bring a meteorologist/modeler into the July meeting to explain (in layman's terms) what the air quality model is doing.

HPMS VMT FOR MECKLENBURG & GASTON COUNTIES: 2008 HPMS data ready by mid-June. Jamal Alavi will forward to whoever needs it to get normalized VMT to complete the 1-hour budget portion of the interim tests.

REGIONAL EMISSIONS ANALYSIS MODELING UPDATE: The SC side of Metrolina has passed its conformity interim tests. The project lists on the NC side are being re-developed for the 2015, 2025, 2035 horizon years.

OTHER ACTION ITEMS FROM APRIL MEETING: MPOs will review the base year and forecast data included in items # 1 and #8, respectively and

provided needed changes to Eddie Dancausse as soon as finalized, but at least by May 30, 2009.

Model Team will provide updated TDM information in item #9 to Eddie Dancausse as soon as finalized, but at least by May 30, 2009.

Anna will e-mail the MPOs to request needed data for off-model reductions analysis, such as van pooling, incident management, signal coordination, and park-n-ride lots, etc. This information will be due to Anna by 9/1/09.

It was noted by Eldewins that since Cabarrus-Rowan MPO is now responsible for producing the conformity document for the region (except York County), that responsibility also includes providing an adequate number of hard copies of the document for the MPOs to distribute for review during the public comment period.

CONFORMITY PROCESS SCHEDULE: Eldewins noted that the CPS is not considering the normal working time lost around Thanksgiving week. No additional update would be made to the CPS because this is a relatively minor difference.

MPO UPDATES:

- CRMPO is in process of finalizing tables, maps and LRTP text for public review. However, it is still using the old (2010, 2020, 2030) horizon years. Phil will meet with TCC/TAC in May for action regarding change in horizon years from 10, 20 & 30 to 15 & 25. It was suggested that Phil begin discussions with the policy board regarding the change in horizon years.
- GUAMPO is working on restructuring its LRTP for the 2015, 2025, 2035 horizon years.
- MUMPO has contracted Bjorn Hansen to help develop the LRTP. Expect to wrap up cost estimates in mid-May. CTP

ACTION ITEMS:

- Submit project lists to Anna Gallup in priority order (project by project, not simply by horizon year) and include project costs as well.
RESPONSIBLE PARTY: MPOs
- Phil Conrad to meet with CRMPO TCC/TAC in May for action to shift horizon years to 2015, 2025, 2035. **RESPONSIBLE PARTY:** Phil Conrad
- Review Attachment A in TCCP for consistency in TCCP text.
RESPONSIBLE PARTY: Model Team

OTHER ITEMS OF NOTE:

- EPA published in the FR a final action finding that North Carolina and South Carolina have failed to submit the SIP revisions for the 1997 8-hour ozone NAAQS due to the Charlotte bi-state area (Charlotte Area), which includes areas in both North and South Carolina. The effective date of this finding was May 8, 2009. This date also started the 24-month sanction clock. The text of the filing is attached.
- Diana Smith announced STAQS-2009 meeting will be held in Jacksonville, Florida during August 25-27. There will also be a MOVES training session from 9AM-4:30PM on the last day. Registration is \$100.
- **The next Metrolina Area interagency consultation meeting is scheduled for Tuesday, June 16, 2009, from 10:30 - noon.**

Metrolina Area IC 2nd Kickoff Meeting

April 14, 2009

Attendees:

CDOT: Eldewins Haynes, Joe McLelland, Anna Gallop

FHWA: Loretta Barren

RRRPO: Betty Whitley, Dana Stoogenke

NCDAQ: Janice Godfrey, Heather Hildebrandt

CRMPO: Phil Conrad

GUAMPO: Hank Graham, Vincent Wong

MUMPO: Bob Cook

NCDOT: Derry Schmidt, Jamal Alavi, Terry Arellano, Mark Smith, Shannon Ransom`

LNRPO: Bill Dunston

EPA: Dianna Smith

Reviewed schedule

The following changes were recommended

Add time for off model analysis May 1 – Sept. 30.

This will include data collection by MPOs for signal systems changes, van pooling, ITS, incident management.

Anna will send an e-mail detailing what information is needed.

Modeling Update

Everything is on schedule and in agreement with the scheduled being reviewed today. Craig met with Gaston MPO last week to review the network and ensure it accuracy. Craig will be meeting with CRMPO the week of April 20 to review their network for accuracy. Model team is still making enhancements to the model.

Schedule for developing the conformity report is doable. Phil has started work on the report and will continue. He will contact Eldewins if he needs assistance.

The MPOs will provide their conformity report information to Phil and he will compile the final report and print and distribute it to the MPOs for review. CDOT offered to take on this process but it was decided that since Phil had already started he should continue and rely on CDOT if assistance is needed.

Gaston MPO provided their MPO meeting dates:

Line 23 – 7/28/09 or a call meeting in August

Line 49 – 11/24/09

The January date has not been set therefore it can coincide with the schedule.

CRMPO/MUMPO will get their meeting dates to Eddie.

It was discussed what actions if any the RPOs would need to take. Terry stated that the RPOs will handle public involvement and a resolution of adoption is welcome, but not required. If any comments come from the public involvement process the RPOs/NCDOT/IC team will address them.

Consensus Plan Review

General Comments

In reviewing PCP years item #5 TDM intermediate years of 2015-2025. CRMPO operating under the 2010-2020-2030 horizon years and questions why the group was recommending a change back to previous years. Modelers discussed the difficulty in meeting conformity in the near term years (2010) and the difficulty in meeting conformity with so many intermediate years to model (2020, 2030) for the interim test. It was also noted that RFATS used the regional model for years 2015 & 2025. Phil has presented the 2010, 2020, & 2030 horizon years and project list to his TCC/TAC and will need to review this change with them at the May meetings. CRMPO will report back to the Metrolina IC committee at the June meeting.

Item 6 – Emission Comparison Years – Group was reminded that for MUMPO & Gaston MPO the 1-hr comparison would be needed for the interim test. MPOs would be allowed to normalize for the 1-hr test.

Joe stated that he would need to get HPMS VMT for local and non-local thoroughfares in Mecklenburg/Gaston Counties in order to compare to 2002.

Action Items

Jamal agreed to check on the latest HPMS data that is available.

Joe stated that he would make sure he has all the other information needed to do the 1-hr comparison.

MPOs will review the base year and forecast data included in items # 1 and #8, respectively and provided needed changes to Eddie Dancausse as soon as finalized, but at least by May 30, 2009.

Model Team will provide updated TDM information in item #9 to Eddie Dancausse as soon as finalized, but at least by May 30, 2009.

Anna will e-mail the MPOs to request needed data for off-model reductions analysis, such as van pooling, incident management, signal coordination, and park-n-ride lots, etc. This information will be due to Anna by 9/1/09.

Phil will meet with TCC/TAC in May for action regarding change in horizon years from 10, 20 & 30 to 15 & 25. It was suggested that Phil begin discussions with the policy board regarding the change in horizon years.

NCDAQ had no comments.

EPA announced that the MOVES model is being released. After MOVES is published in the Federal Register MPOs would have 3 to 6 months to use it in a conformity determination.

It was asked, if there was a conversion for the phase-in between MOVES and the Mobile model. Since the SIP is being developed with the Mobile model and there is a requirement that sometime in 2010 areas will be required to use MOVES with data that was generated with the Mobile model some conversion approach is needed. Janice suggested MPOs talk with Dianna Smith.

Next meeting will be May 12 and will focus on the LRTPs. Eldewins will continue to make meeting arrangements.