Draft Recommendation – Release of 3-State Air Quality Study CAMx Base 2011a Modeling Platform for NEPA and other air quality studies

February 25, 2015

Background Inputs

February 25, 2015 Technical Committee [meeting](http://views.cira.colostate.edu/documents/Projects/TSDW/Meetings/Technical_Workshop_20150225/3SAQSTechnicalCommitteeWorkshopAgenda_Feb25_2015.htm) to review updated and revised evaluation results for to extend the November 10, 2014 [draft report](http://views.cira.colostate.edu/documents/Projects/TSDW/Meetings/Conference_Call_20141120/3SAQS_Base11a_MPE_Draft_10Nov2014.pdf) on 2011a Model Performance. These additional results were discussed at the meeting.

Release Recommendation for 2011a2 by the Technical Committee

NEPA air quality studies

* Release the 2011a2 modeling platform as an interim product via the Data Warehouse.
* Describe the pending completion of 2011b in Fall 2015.
* Recommend that potential NEPA air quality studies wait for 2011b if possible.

Other air quality studies

* Release the 2011a2 modeling platform as an interim product via the Data Warehouse, with the following recommendations for components of the platform, as many non-NEPA air quality studies will use some but not all of the components of the platform.
  + Configuration, Ancillary, and Boundary Conditions files – release 2011a2 with no limitations, describing the pending completion of 2011b in Fall 2015.
  + Emissions files – release 2011a2 files as interim products. Recommend potential other air quality studies wait for 2011b if possible. Substantial updates and changes will be made and evaluated in 2011b (O&G revisions, MOVES2014, updated Fire, and NEIv2).
  + Meteorology files – release 2011a2 as interim products. Recommend potential other air quality studies wait for 2011b if possible, if analyzing wintertime ozone, PM2.5, and other indicators in the studies. 2011a2 was thoroughly evaluated and many configuration options were considered. 2011b improvement efforts are focused on wintertime performance.

For all component files, the Technical Committee recognizes some 3-State Study cooperators need to proceed with their studies now using 2011a2, but recommends if a study can be delayed to wait for 2011b, the expectation is that 2011b platform will perform better across more of the 2011 year.

Timing to release 2011a2 files

* CAMx target dates
  + Input files – March 10th
  + Output files – March 20th
  + 2020 future case files – second half of April
* CMAQ target dates
  + All files – end of March