1. Introduction

1) Fire emissions have large impacts on air quality, and thus they are crucial for AQM to properly reproduce historic air quality conditions.

2) Improved understanding of fire emissions and performance of AQM ensure solid policy making.

3) Become more important when NAAQS become more stringent and emissions from other anthropogenic sources have been controlled.

4) In recent SIP modeling in the southeast (VISTAS and SEMAP), new fire inventories were developed.
NFEI – state perspective (continued)

2. Goal of improving the NFEI and harmonizing the NFEI
   1) NFEI can meet SIP inventory requirements
   2) Year-specific
   3) Easily accessible, e.g. EIS
   4) Use CTM, receptor models and ambient measurements to evaluate NFEI

3. Improvements in the future
   1) State provided local activity to EPA/USFS
   2) Update satellite fire detection algorithm for prescribed fires in the southeast
   3) Before the new algorithm for Rx developed, use SMARTFIRE to fill the gap in local records
   4) Develop fuel consumption factors representative to the southeast