



## National Emissions Inventory (NEI)

- The full NEI is on a 3-yr cycle (e.g. 2008, 2011, 2014)
- States, locals, and tribes are required to submit CO, SO<sub>x</sub>, NO<sub>x</sub>, VOC, PM<sub>10</sub>, PM<sub>2.5</sub>, NH<sub>3</sub>, and Lead.
- Hazardous Air Pollutants (HAPs) and GHGs can also be voluntarily submitted
  - EPA augments the data to make HAPs more complete

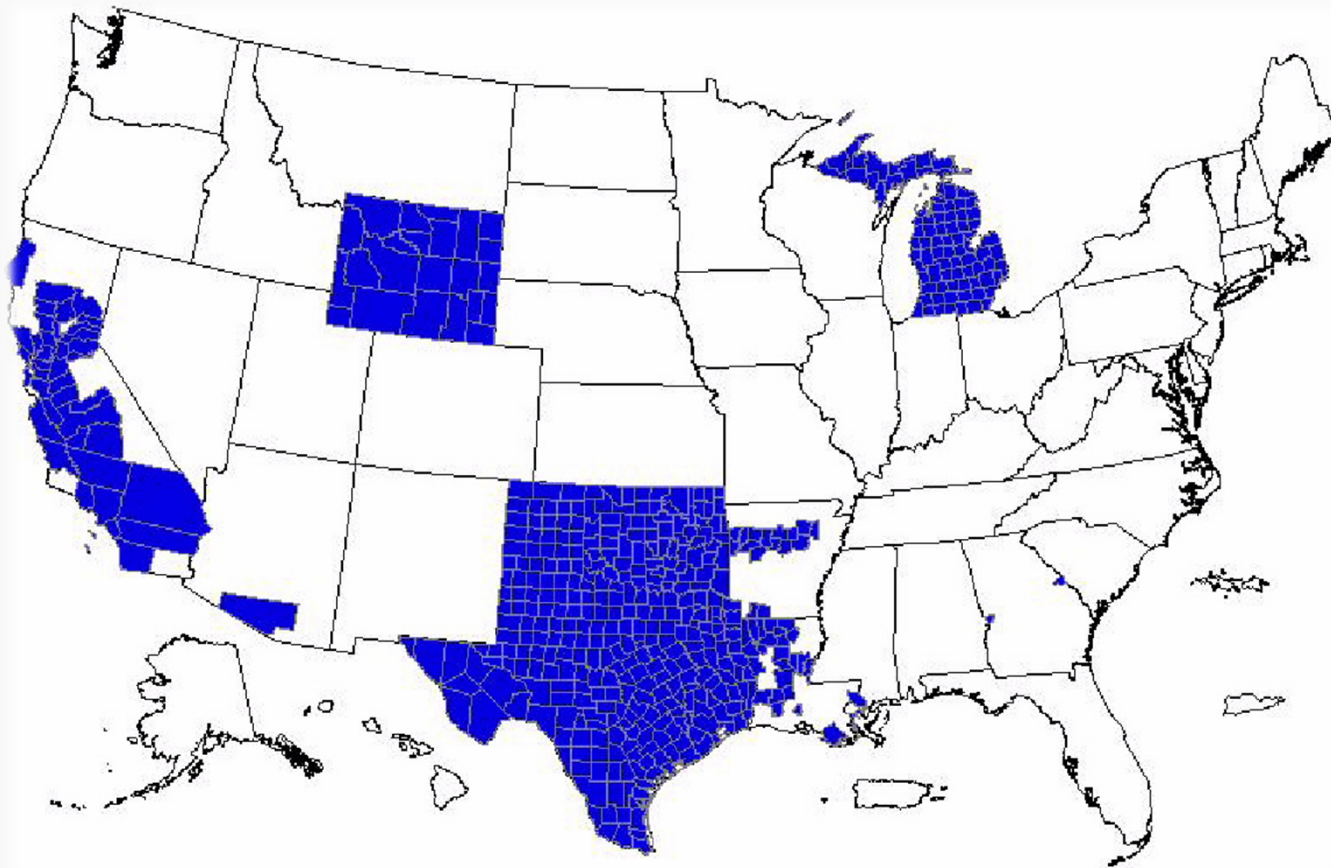


## Role of states versus EPA

- States are responsible for the emissions estimates
- EPA methods are assumptions about activity and emission rates that can be improved with local understanding
- We allow states to meet their obligations by accepting EPA estimates

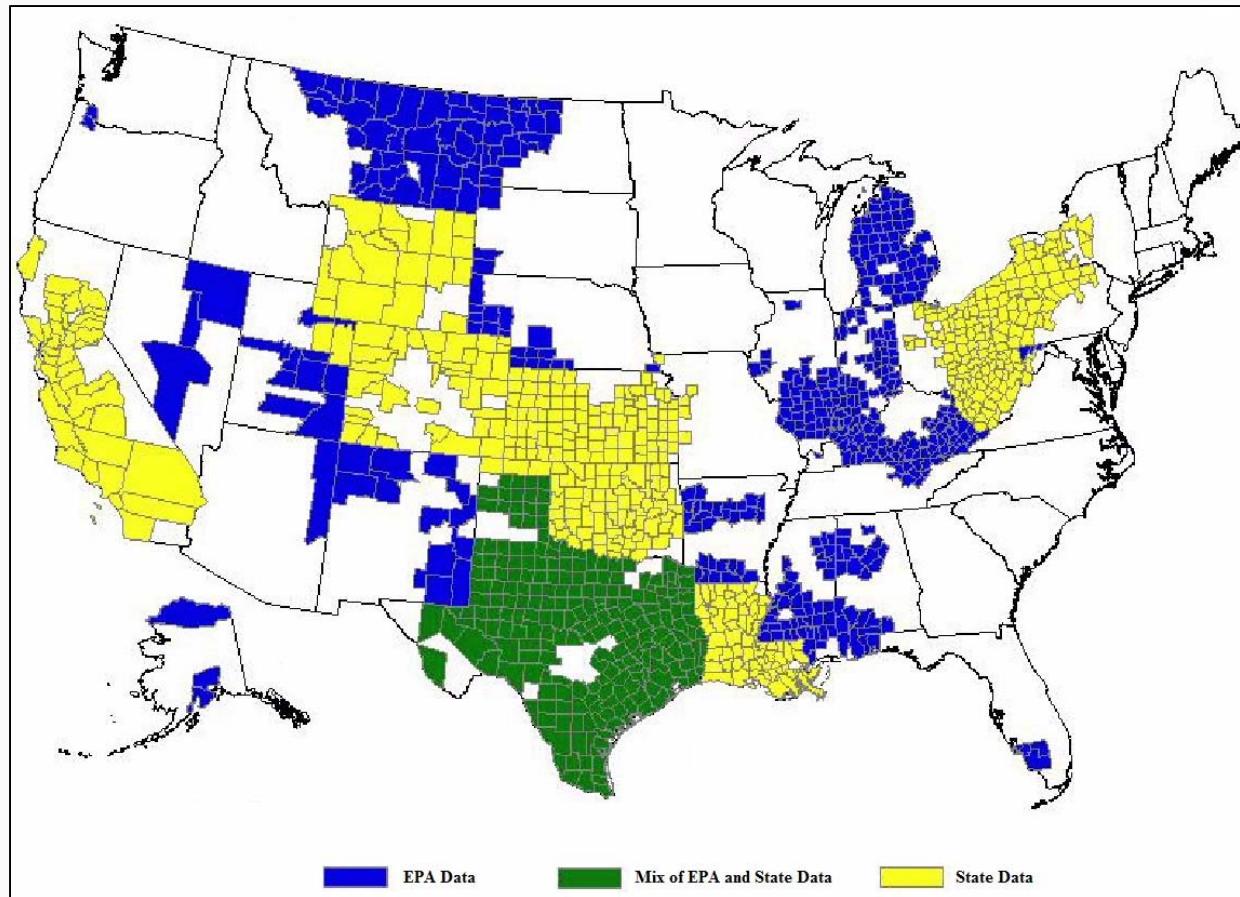


# 2008 NEI Nonpoint Oil and Gas





# 2011 NEI Nonpoint Oil and Gas



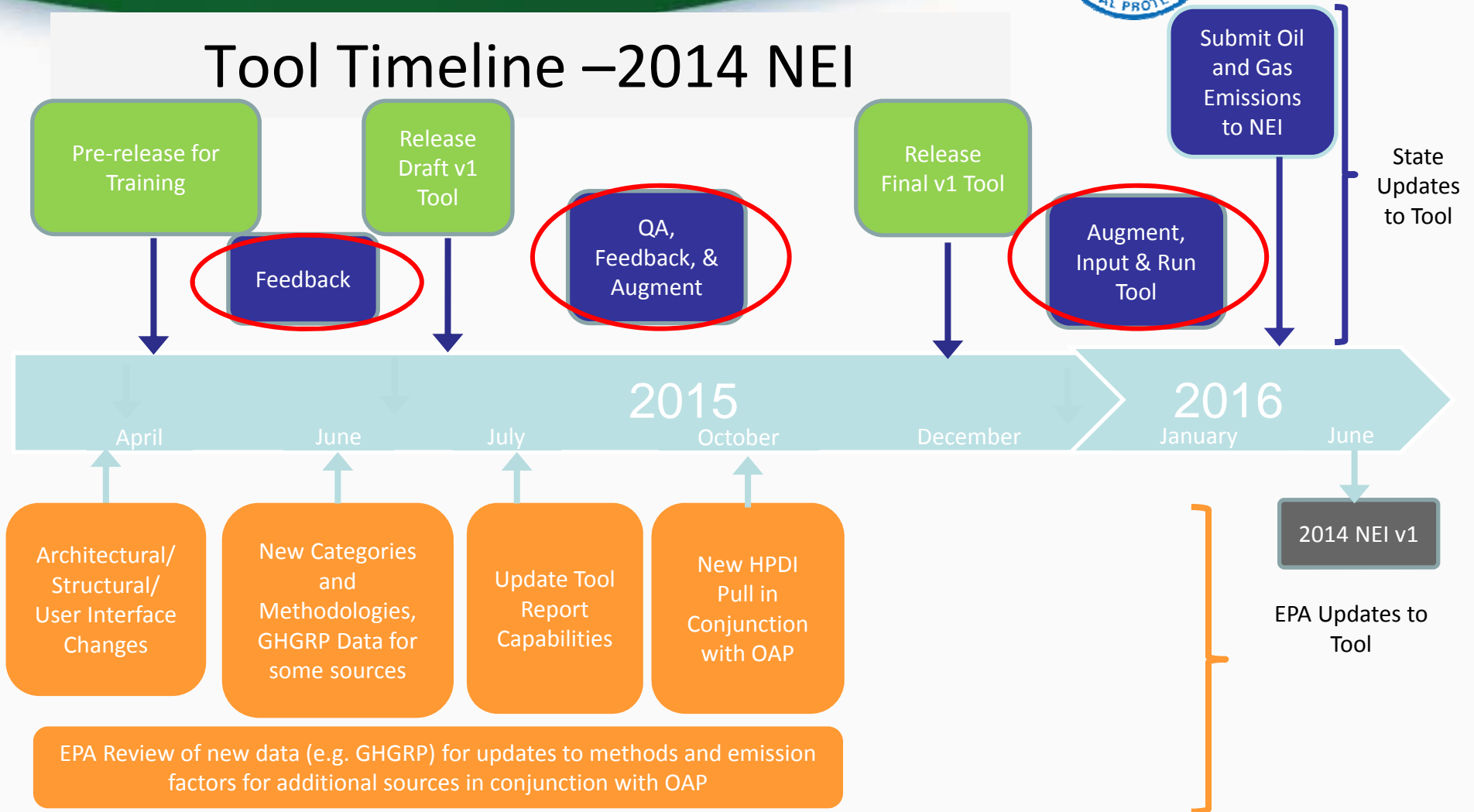
4/27/2015

U.S. Environmental Protection Agency

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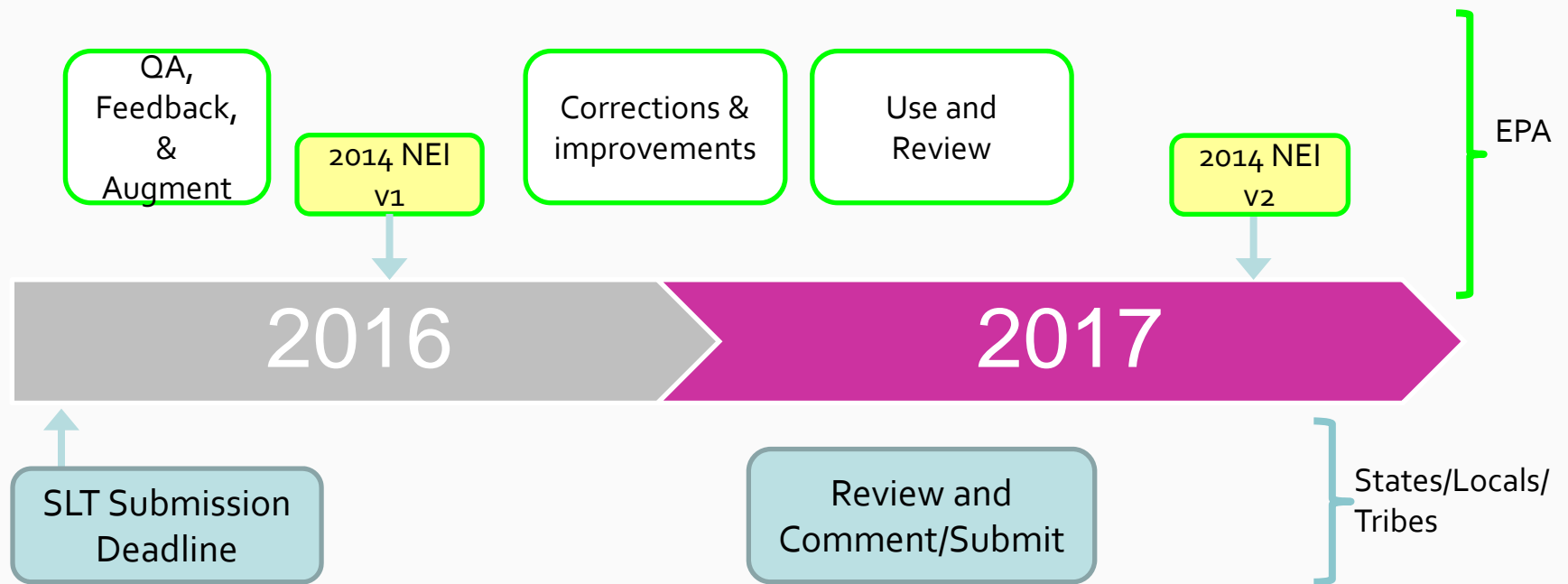


# Tool Timeline –2014 NEI





# After the Submission Deadline





## Opportunities for State Input

| Submit your Feedback....          | On the aspect of...  | By the deadline... |
|-----------------------------------|--|--------------------|
| After the conference training     | Architecture, user interface, and requests for new methodologies | June 30, 2015      |
| After the release of v1 Draft     | Review methods, GHG RP data, inputs specific for your states     | September 30, 2015 |
| After the release of the Final v1 | Your oil and gas emission inventory                              | January 8, 2016    |



# The output is only as good as the input!

Review the inputs for accuracy for your state.

- Gather process characterization data
- Contact oil and gas commission in your state
- Review permit data to see if equipment counts are accurate
- Do your own survey
- Talk to your RPO or neighboring states

**START NOW!**







## Aligning the Inventories

- NEI covers criteria and HAPs
- Office of Atmospheric Program's EI covers GHGs
- Two offices are working to align the inventories
  - Methodologies
  - Equipment counts
  - Activity data
  - Emission factors



## GHG Reporting Program Data

- Working with OAP to extract usable Subpart W data from 2014 reports
- Map tool data elements with subpart W data elements
- Propose updates to National Oil and Gas Emissions Committee in Fall



## New Categories and Methodologies (Summer)

- Add CBM Pump Engines (pending adequate data)
- Add “percent electric” to algorithms for wellhead and lateral compressors
- Fix an error in pneumatic device counts (consistent with GHG EI)
- Update Liquids Unloading Methodology to be more consistent with GHG EI
- Updated Well Completions Methodology
- Updated NOx EF for drill rigs (TCEQ data)
- Break out conventional/unconventional (contingent on a sensitivity analysis to be done in May)
- Break out Tribal Activity

# Future Plans



- Update tool report capabilities (Summer)
- Pull HPDI data (Fall)
- Final 2014 Tool v1 (November-December)