



**Alignment between national 2016 EMP and 2017 NEI O&G Emissions Inventory work  
discussion draft March 7, 2018**

2016 EMP base year inventory development	Timing	2017 NEI inputs	Timing
<p>1. Point</p> <p>a. Evaluate changes in emissions and activity from 2011 to 2014</p> <p>i. If emissions changes generally track activity changes, scale point sources with change in 2014 to 2016 activity data</p> <p>ii. If emissions changes do not track activity changes, determine and apply alternative method</p>	<p>mid-2018 to do evaluation (pending timing information from EPA), then analysis to revise 2014 if needed</p> <p align="center">↓</p>	<p>1. Point</p> <p>a. Report actual emissions for 2017</p> <p>i. If emissions are significantly different from 2016 EMP data, state or other reporting agency decides what to do</p>	<p>End of 2018 for state / other agency reporting to EPA</p> <p align="center">↓</p>
<p>2. Nonpoint</p> <p>a. Determine which 5-10 source categories to re-estimate for 2016</p> <p>i. Focus re-estimation on categories with high degree of uncertainty and substantial emission inventory impact</p> <p>1. Key issues to consider: high emitters/fat-tails, change in equipment from conventional to unconventional production</p> <p>2. Perform literature and inventory review to identify potential categories</p> <p>a. Reference documents: High emitter/fat-tails</p>	<p>Early Summer 2018 to send out survey</p> <p>Late Summer to do evaluation of results</p> <p>Fall - apply changes to: 1) 2014 data, or 2) re-run (updated!) Non-Point Tool with new inputs and factors</p> <p align="center">↓</p>	<p>2. Nonpoint</p> <p>a. Determine EPA \$ in 2019-20 for contractor support to apply Tool</p> <p>b. NOGEC to assess and provide direction to EPA about activity inputs from states, other jurisdictions, and data sources such as HPDI, et cetera</p> <p>i. Assess and apply re-estimated categories' factors in Tool from 2016 EMP effort – include consideration of</p>	<p>End of 2018 for state / other agency reporting to EPA</p> <p align="center">↓</p>

<p>journal articles, Dale Wells NEI Presentation, OKDEQ emission inventory, other</p> <p>b. Re-estimate 2016 base year inventory for 5-10 source categories</p> <p>i. Survey approach</p> <ol style="list-style-type: none"> <li>1. User-friendly online survey platform</li> <li>2. Direction on and review of survey by S/L/Ts in which recent surveys have been conducted</li> <li>3. S/L/Ts are responsible for updating inputs, or 2014 emission factors will not be changed</li> <li>4. Survey inputs will be aligned with capability to develop new control scenarios</li> </ol> <p>ii. Analyze survey results and compile inventory inputs</p> <ol style="list-style-type: none"> <li>1. Develop 2016 inventory based on survey results</li> </ol> <p>iii. Forecast remaining source categories from 2014 NEI based on estimated activity and control changes from 2014 to 2016</p>		<p>uncertainty and impact on inventory impact</p> <p>ii. Analyze and consider use of 2016 EMP O&amp;G Workgroup data</p> <p>c. States designate nonpoint sources to be estimated by the Tool for the 2017 NEI</p> <p>d. States designate nonpoint sources for which reporting will use 2016 EMP estimates</p> <p>e. Develop 2017 NEI O&amp;G EI for point and nonpoint sources</p>	<p>Date in 2019?</p> 
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