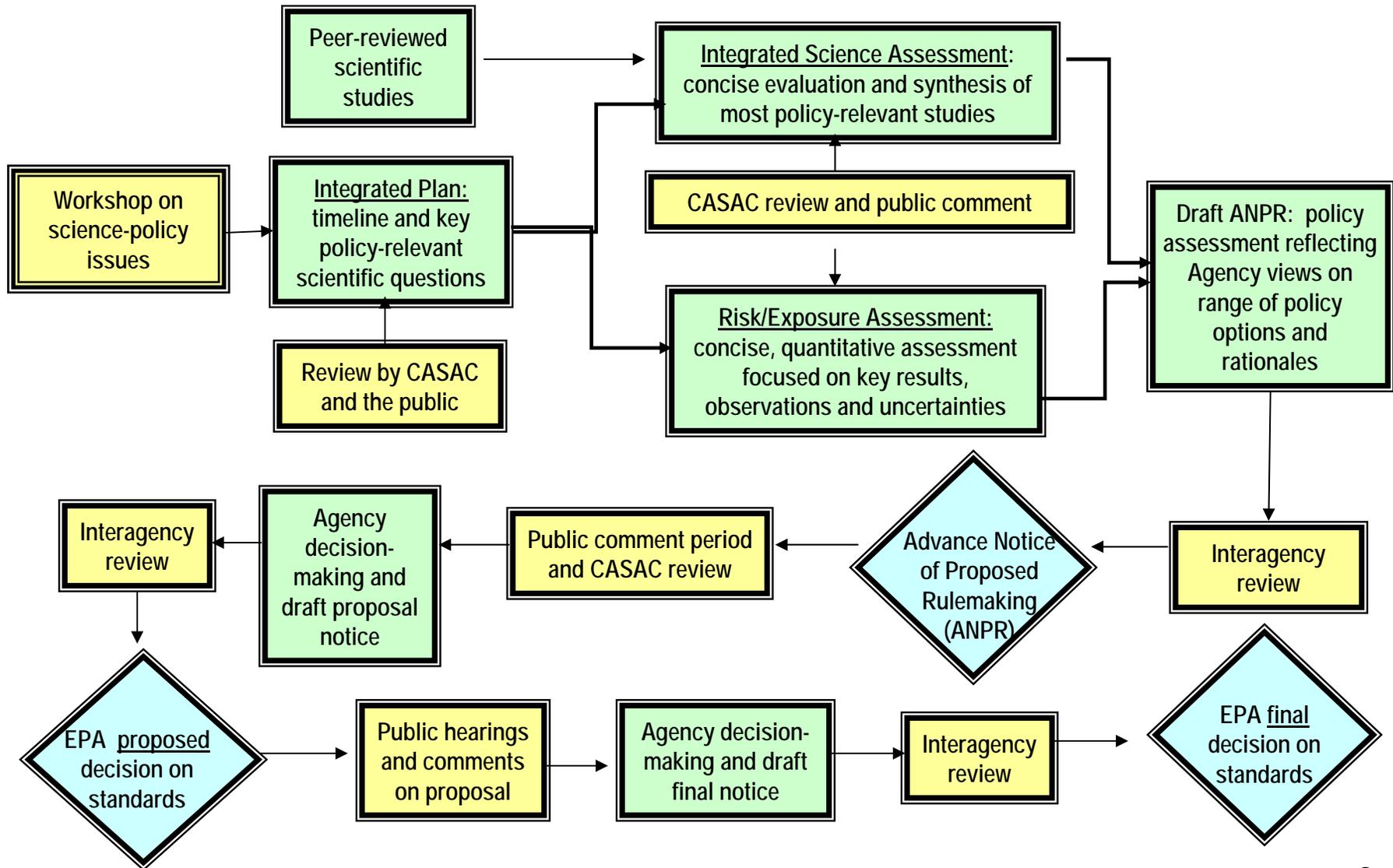


Draft Integrated Review Plan
for NO₂/SO₂
Secondary NAAQS

Lydia Wegman

October 30, 2007

New NAAQS Review Process



| Stage of Review | Major Milestone | NO₂/SO₂ Secondary |
|--|---|---|
| Integrated Review Plan | Call for information Workshop Draft Integrated Review Plan CASAC/public review Final Integrated Review Plan | Dec 2005 July 2007 Sept 2007 Oct 30, 2007 Dec 2007 |
| Integrated Science Assessment (ISA) | 1 st Draft ISA CASAC/public review 2 nd Draft ISA CASAC/public review Final ISA | Dec 2007 Mar 2008 Aug 2008 Oct 2008 <u>Dec 12, 2008</u> |
| Risk/Exposure Assessment (R/EA) | R/EA scope/methods plan CASAC/public review 1 st Draft R/EA CASAC/public review 2 nd Draft R/EA CASAC/public review Final R/EA | Jan 2008 Mar 2008 Aug 2008 Oct 2008 Mar 2009 May 2009 Jul 2009 |
| Policy Assessment/ Rulemaking | ANPR CASAC/public review NPRM FRM | Aug 2009 Oct 2009 <u>Feb 12, 2010</u> <u>Oct 19, 2010</u> |

Why take the multi-pollutant approach?

- National Academy of Sciences, Clean Air Act Advisory Committee have encouraged EPA to take a multi-pollutant approach in setting air standards where possible
- The chemical transformations of NO_x and SO_x in the atmosphere and the environment are strongly linked together
- The environmental effects of these two pollutants are also linked
 - **Acidification** of ecosystems due to both nitrogen and sulfur
 - **Nutrient Enrichment** of ecosystems due to excess nitrogen (eutrophication)

Regulatory History of NO₂ and SO₂

- NO₂ and SO₂ secondary standards are the same as those set in 1971:
- Previous reviews have discussed the importance of environmental effects of NO_x and SO_x, but science has not been adequate to support revision of secondary NAAQS
- First time the Agency has taken a multi-pollutant approach and reviewed secondary standards separate from the primary standards

Outline of Review Plan

- Regulatory History
- Primer on the NO_x/SO_x Problem
- Schedule
- Key Policy Relevant Questions
- Science Assessment
- Risk/Exposure Assessment
- Policy Assessment