

08-31-18 Preliminary draft comments from individual members of the CASAC Secondary NAAQS Review Panel for Oxides of Nitrogen and Sulfur. These comments do not represent consensus CASAC advice or EPA policy. DO NOT CITE OR QUOTE

Preliminary Comments on the REA Planning Document from Dr. James Boyd

3-25, lines 22-26

Replace existing language: “The most comprehensive model is that of ecosystem services, which can provide information on the linkages between changes in ecological effects and known or anticipated effects to public welfare. Ecosystem services can be generally defined as the benefits that individuals and organizations obtain from ecosystems.”

With

“However, ecosystem services analysis is a particularly well-established (and broadly applied) framework that emphasizes linkages between changes in ecological outcomes and changes in public welfare. In general, ecosystem services analysis involves collaboration between natural and social scientists in order to quantitatively link changes in ecological goods and services to changes in social welfare.”

3-25, lines 29

“...anticipated adverse or positive effect on public welfare.”

3-27, line 6

“...estimates of ecosystem services benefits affected by...”