

***Interactive comment on “Impact of transported background ozone inflow on summertime air quality in a California ozone exceedance area” by D. D. Parrish et al.***

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From a public policy perspective, this paper is a significant assistance as large number of local air pollution control agencies in alpine rural parts of California, Oregon, and Washington State are likely to encounter violation of 8-hour ozone standards disjointed from the available local air pollution sources (usually controlled) and disjointed from other US or in-state air pollution transport couples. As the violations of the 8-hour ozone standard create the basis of withholding highway and other federal funds, this paper is a major step towards modulating realistic responsibilities of the local and regional air pollution control authorities.

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I am extremely interested in the authors' suggestion of global modeling combined with regional simulation as that kind of effort has the potential to become a standard tool of state implementation plans. Unlike most of the papers I know and love at AC&P, this is a most critically policy relevant work. I commend the authors.

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Interactive comment on Atmos. Chem. Phys. Discuss., 10, 16231, 2010.

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