



Second Draft Urban Focused Visibility Assessment (UFVA) Secondary PM NAAQS Review

Clean Air Scientific Advisory Committee



0 deciview – 10 Mm^{-1}

25 deciview – 122 Mm^{-1}



20 deciview – 74 Mm^{-1}

30 deciview – 201 Mm^{-1}

Office of Air Quality
Planning and Standards

U.S. EPA

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Enhancements and Modifications in the Second Draft UFVA

- Conducted logit regression analysis on response curves from the 4 urban area preference studies
- Conducted logit analysis comparing various components of the Washington DC focus group studies (in a supplemental document)
- Replaced the 95% relative humidity cap with a 90% relative humidity screen for all current and rollback data assessments - includes an assessment of the effectiveness of the relative humidity screen
- Added 98th percentile form to 90th and 95th percentiles for the list of LE scenarios
- Added all daylight hours analysis to the maximum daily daylight hours for scenarios, shows relationships between all hours and maximum daily daylight hour forms
- New tile plot displays of daylight hourly data for 15 cities



Requested CASAC Feedback- Second Draft UFVA

- Document organization and usefulness of included materials
- Logit analysis (Chapter 2) of UFVA and supplemental memorandum
- Analysis of the frequency of co-occurrences of hourly relative humidity values below and above 90 percent with other meteorological events such as rain or fog (Chapter 3, section 3.3.5; Table 3-6)
- Addition of NAAQS scenarios that considered:
 - all daylight hours
 - the 98th percentile form (along with 90th and 95th percentiles)