



US EPA Workshop on Estimating Benefits of Reducing Hazardous Air Pollutants

April 30 – May 1, 2009



Summary -Day 1

- Review of Current EPA status in Air Toxics
 - Data Limitations, Uncertainty
 - Valuing large risks to a small number of people
- Near-Term Approach
 - Focus on Limited Number of HAPs
 - Issues with mixtures, interactions
 - Susceptible populations, variability
- Lessons learned from recent research
 - Case studies (Benzene, Acrolein, Toluene, Lead)
 - Outside research (Science & Decisions, Popn Scale & Composition, Efficiency-Equality Tradeoffs)



White Paper Presentations

- Valuing Large Reductions in Individual Mortality Risks
 - Magnitude of risk important
 - VSL needed – but how to decide what it is?
 - Who decides what risks have more weight? (experts, regulators, public)
 - Environmental risks per lifetime similar to annual occupational risks



White Paper Presentations

- WTP for Reducing Hazardous Air Pollutants
 - Use of property value studies
 - Stated preference survey – impact at different stages of damage function chain
 - Issues with valuing anxiety – ambiguity
 - Value of susceptible populations – particularly children
 - Issues with emotional response to surveys, altering results



White Paper Presentations

- Alternatives to Pollutant-by-Pollutant Dose-Response Estimation
 - Use of data from reference chemicals
 - Link biomarkers of early effect to health endpoint of interest
 - Use of new analytic methods
 - Major shift in regulatory thinking



Day 2

- Roadmap Presentations
 - Moderators: Bob Fegley (ORD)/Gloria Helfand (OAR)
- Proposed Near-Term Options for Benefits Assessment – EPA's Draft Roadmap
 - Dave Guinnup (OAR)
- Strengths/Weaknesses of Roadmap Discussion
 - Stuart Batterman, Maureen Cropper, Lorenz Rhomberg
- Longer-Term Approach – EPA Perspective
 - Kathryn Sargeant (OAR)
- Other Perspective on Longer-Term Approach
 - Trudy Cameron, Cliff Weisel, Ron White
 - Observer Comments
- Wrap-Up and Next Steps
 - Jeneva Craig (OAR)