



Proposed Public Health-Related Analyses for Cap-and-Trade Rulemaking

Public Health Working Group

September 14, 2009

Edie Chang

Framework for Public Health Analyses

- Environmental review required for all regulations
- Must follow ARB & Cal/EPA EJ policies
- AB 32 has additional requirements
 - Consider direct, indirect, cumulative, and localized emission impacts of market-based mechanisms
 - Direct investment toward the most disadvantaged communities
 - Ensure activities undertaken to comply with the regulations do not disproportionately impact low-income communities

Impact Analyses

- Identify potential impacts of proposed regulatory actions
- Focus on communities and vulnerable populations
- Consider cumulative air pollution impacts for market-based compliance mechanisms
- Cap-and-trade is the primary market-based compliance mechanism included in the Scoping Plan

Cap-and-Trade Rulemaking

- One of about 30 measures in the Scoping Plan
- Broad-based California cap-and-trade program to provide a declining fixed limit on emissions
- Link to other Western Climate Initiative Partner programs
- Consider effects of the program on the California economy and public health

Cap-and-Trade Rulemaking Timeline

Fall 2009	Preliminary draft concept regulation released
Mid-2010	Draft proposed regulation released
Fall 2010	Final proposed regulation released
Nov 2010	ARB hearing on cap-and-trade regulation
Jan 2012	California/WCI cap-and-trade programs launch

Health Impact Assessment for Cap-and-Trade

- CDPH draft HIA guidelines provide framework
- Provides mechanism to consider broad range of impacts
- Supports required analyses of market-based compliance mechanism required in statute

Health Impact Assessment Process

- ARB and CDPH working together to evaluate initial scenarios that are consistent with economic analysis to establish a common analytic framework
 - Advised by academic experts and CAT Public Health Workgroup
- Preliminary HIA complete in early 2010
- Sets stage for evaluation of final regulatory proposal
 - May include refined/additional scenarios

Cap-and-Trade Impacts Analysis

- Evaluate proposed cap-and-trade regulation to identify potential changes “on the ground” and where they are likely to occur
- Conduct technical assessment of potential direct, indirect, cumulative and localized emission impacts in selected communities
- Consider results during cap-and-trade program rulemaking

On the Ground Changes

- Assess potential on the ground changes in communities as a result of cap-and-trade
 - What facilities could be affected?
 - Where are the facilities located?
 - What direct and indirect changes might be expected?
 - Are these changes concentrated in certain communities?

Technical Assessments

- Assessments could include:
 - Spatial resolution of current and forecast emission inventories
 - Current monitored concentrations
 - Air quality modeling to understand exposure and risk

Use of the Impacts Analyses

- Refine staff regulatory proposals
- Inform program design and decisions regarding final development of the rule

HIA Timeline

- POSTPONED September 21st – Cap-and-trade HIA scoping public meeting
- Early October – Cap-and-trade HIA scoping public meeting
- November – HIA preliminary assessment public meeting
- January – Presentation to CAT Public Health Workgroup
- January – Preliminary HIA report released
- February – Preliminary HIA public meeting

Disadvantaged Communities - Timeline

- October – Public meeting to discuss possible characteristics of disadvantaged communities
- December – Public meeting to discuss potential method to select disadvantaged communities
- January – Release white paper on disadvantaged communities
- January – Public meeting to discuss white paper

- Contact Information:

Edie Chang

echang@arb.ca.gov

(916) 324-2302