Bay Area Clean Air Communities Initiative

CARE Task Force
April 21, 2009

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Bay Area Clean Air Communities Initiative

- Multifaceted approach to cumulative impacts
  - Identify Impacted Communities
  - Continue targeting grants and incentives to impacted areas
  - Continue community outreach and education
  - Focused enforcement of state and District regulations
  - Monitoring local air quality
  - Develop targeted regulations
    - Indirect Source Rule
    - Permitting requirements
    - GHG co-benefits

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2006 Ozone Precursor Emissions

Reactive Organic Gases (ROG)
- 409 tons/day
  - Off-Road Sources: 22%
  - On-Road Motor Vehicles: 34%
  - Petroleum & Solvent Evap: 23%
  - Combustion: 2%
  - Ind/Comm. Sources: 4%
  - Consumer Products & Other Sources: 16%

Oxides of Nitrogen (NOx)
- 540 tons/day
  - On-Road Motor Vehicles: 42%
  - Ind/Comm. Sources: 45%
  - Combustion: 11%
  - Other Sources, 0.4%
Sources of Fine Particulate Matter

Sources of Winter PM2.5

- Wood Smoke: 33%
- On-road: 28%
- Off-road: 12%
- Cooking: 3%
- Other: 5%
- Sea Salt: 1%
- Domestic: 3%
- Power Plants: 2%
- Refining: 7%
- Ships: 3%
- Aircraft: 2%
- Trains: 1%
- Other: 6%

Sources of Risk Weighted Emissions

- On-road Mobile Sources: 32%
- Construction Equipment: 34%
- Industrial & Commercial Equipment: 9%
- Ships: 6%
- Farm Equipment: 4%
- Agriculture & Demolition: 3%
- Locomotives: 1%
- Aircraft: 2%
- Recreational Boats: 1%
- Other: 6%

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Total emissions: 102.6 million metric tons/year
Bay Area Clean Air Communities Initiative Concept

A Comprehensive Regulatory Initiative to Mitigate Air Quality Impacts of Land Use Decisions and Assist in Addressing the Impacts of Growth on our Climate
Bay Area Clean Air Communities Initiative - Why

- New development will resume, VMT will continue to rise, transportation related impacts will continue
- Need to promote strategies that support livable communities, e.g. Priority Development Areas
- CARE Program has identified impacted communities
  - Impacts due to land use decisions in cities and counties
  - Address cumulative impacts through District undertaking additional review of activities in these areas
- How the Bay Area grows will affect the region’s ability to curb greenhouse gases and meet SB 375

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Bay Area Clean Air Communities Initiative - What

- Address impacts of growth on regional and local air quality
- Reduce GHG emissions from land use and transportation, help meet SB 375 targets
- Support and implement CARE program priorities and goals
  - Avoid land use conflicts and reduce exposure in impacted communities
  - Address cumulative impacts in impacted communities

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Clean Air Communities Initiative - Targeted Regulation

Proposed Indirect Source Rule

- Standards for new development to minimize emissions of criteria and toxic pollutants and GHGs.

- Establish official Impacted Communities in the Bay Area where additional review of new and modified stationary sources is performed.

- Focused review of new development proposed in Impacted Communities.
Clean Air Communities Initiative - Targeted Regulation (Continued)

- Require more stringent permitting requirements of stationary sources when in:
  - proximity to sensitive sources
  - impacted communities

- Establish an air quality/GHG fee for new development. Fee would be used to create offsets for new developments over designated threshold.

- Fee reductions or exemptions and additional incentives for in-fill development and PDAs.

- Delegation agreement provisions for local cities and counties.

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