



HEALTH COSTS AND CONSEQUENCES IN CALIFORNIA

- 902,400 children have experienced asthma symptoms
- \$3.5 billion/year in lost work days
- More than 1 mil respiratory-related school absences
- \$200 million/year in hospital visits

• 5,726 annual premature deaths (compared to 3,081 traffic

fatalities)







CLEAN AIR, HEALTHIER KIDS

POLLUTION DOWN, LUNG HEALTH UP

Air quality in the Los Angeles basin, as measured in five cities by USC researchers, improved over two decades. That provided a more healthful environment for children's growing lungs.

AIR POLLUTION

Nitrogen Fine dioxide particles



Source: USC Children's Health Study

CHILDREN'S LUNGS

In 1998, nearly eight of 100 15-year-olds had significant lung deficits.



By 2011, only about 3 1/2 of 100 15-year-olds had significant lung deficits.



USC Graphic by Molly Zisk

WHY DOESN'T OUR CURRENT SYSTEM ADDRESS THIS PROBLEM?

 Regulatory system is fragmented and only looks at pollutants and facilities on an individual basis





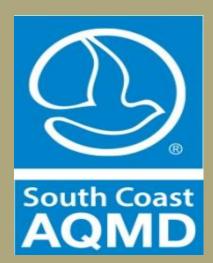








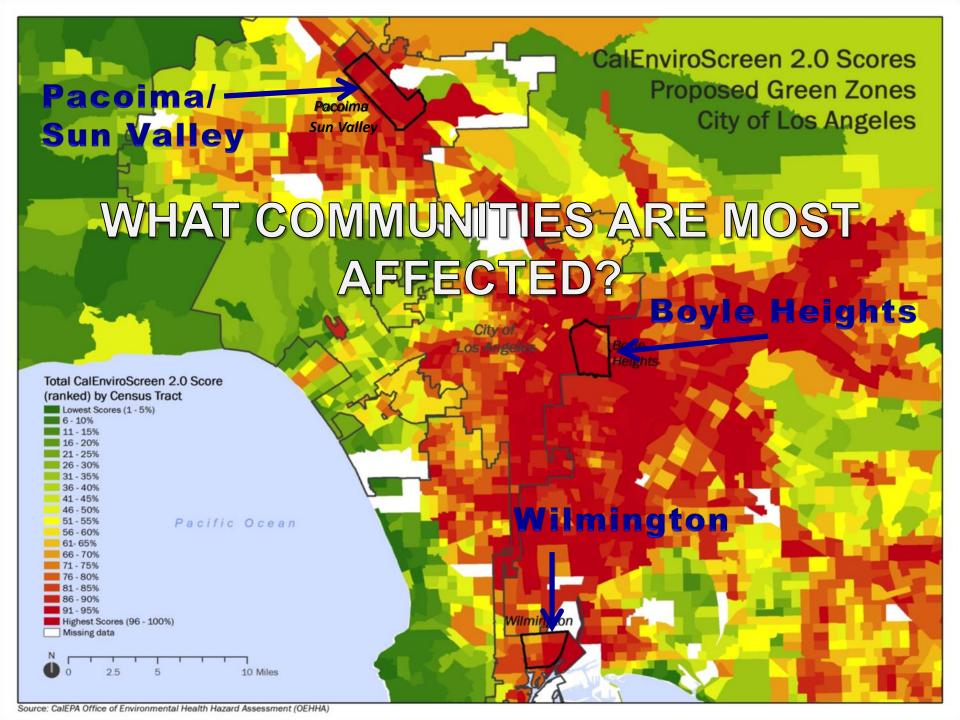


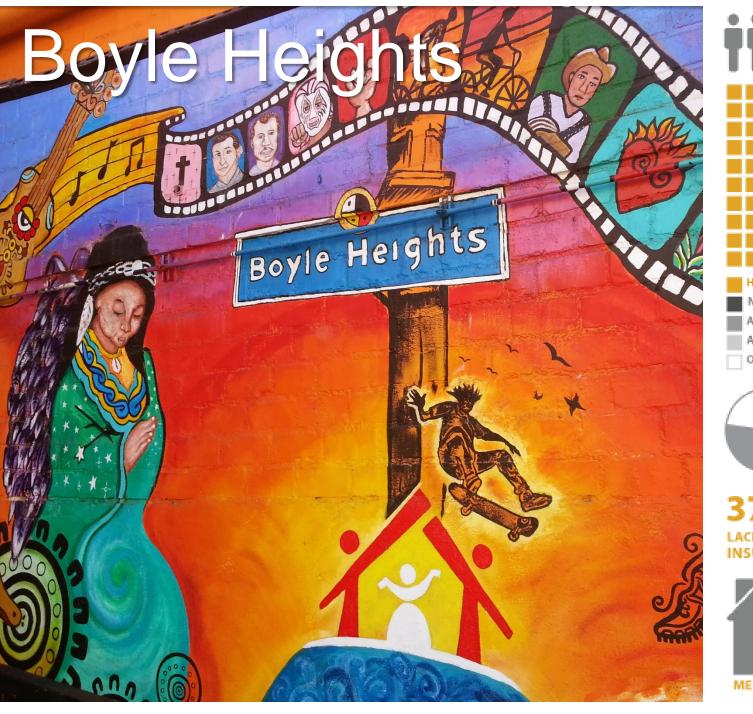


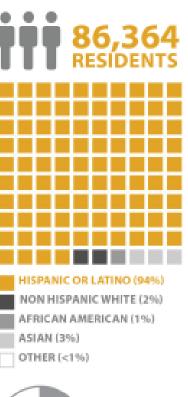


WHY DOESN'T OUR CURRENT SYSTEM ADDRESS THIS PROBLEM?

- Regulatory system is fragmented and only looks at pollutants and facilities on an individual basis
- Regulatory agencies do not currently address cumulative impacts of resulting from clusters of businesses that are either unregulated or that fall below the thresholds for reporting
- Land use policies have also failed to prevent and address concentration of polluting businesses in close proximity to residential areas.
- Regulatory agencies recognize the problem
 - CARB recommends we tackle cumulative impacts through local land use policy & targeted programs that address health protective standards

















NON HISPANIC WHITE (6%)

AFRICAN AMERICAN (5%)

SIAN (4%)

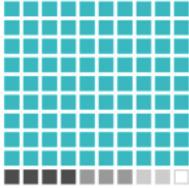
OTHER (<1%)











HISPANIC OR LATINO (90%)

- NON HISPANIC WHITE (4%)
- AFRICAN AMERICAN (3%)
- ASIAN (2%)
- OTHER (1%)



30% CO



LOS ANGELES COLLABORATIVE FOR ENVIRONMENTAL HEALTH AND JUSTICE









RESEARCH PARTNERS







SUPPORTERS











por una ciudad limpia y verde

THE CUGU SOLUTION



- Address incompatible land use
 - → Reduce cumulative pollution impacts
- Establish pilot green zones
- Three pronged strategy:
 - Prevent
 - Reduce
 - Revitalize





NEW GREN ZONE STANDARDS

Who Must Comply With New Regulations?

- 1. Project Type
 - a. New, expanding, & change of use
- 2. Project Context
 - a. Priority industries ("Subject Uses")
 - b. Project within 1,000 ft of freeway or SR 47
 - c. Subject Uses adjacent to Sensitive Uses



Diesel Truck Access & Idling



Buffer Zones



Prohibit new & change of use auto dismantling, smog check, and other auto-related shops within 500 feet from homes



Freeway Signage

Require all buildings within 1,000 feet of freeways to post signs warning of the health effects of prolonged exposure to particulate matter



Quality-of-Life Improvements

- Submit acoustical evaluation report for approval
- Improve lighting design standards
- Upgrade landscaping standards to create green areas for sound buffering and urban runoff control
- Beautify with building setbacks and new design standards









Two City Wide Solutions

- 1. Conditional use permits for oil refineries and asphalt manufacturing
- 2. High-grade air filters for developments near freeways







Oil Refineries & Asphalt Manufacturing

- Oil refineries emit hazardous air pollutants linked to cancer, reproductive problems, & neurological effects
- LA has more oil refineries than any other city in California
- LA also has the least restrictive regulatory process
- Increased enforcement is needed and works
 - In a temporary program in 2007, OSHA found 1,000 citable violations in refineries

Most Other CA Cities Already Require a Conditional Use Permit

- There are 13 cities in CA that have refineries:
 - 7 in Southern California
 - 2 In the Central Valley
 - 4 in Northern California
- Of the 7 cities in Southern California
 - 5 require CUPs (Torrance, Paramount, Carson, Long Beach, and Southgate)
 - LA and El Segundo are the only cities that allow it by-right



Proposed CUPs for Refineries and Asphalt Manufacturers

- Applies to expansions beyond current property lines
- Applies if environmental review process shows project will have significant impact



Proposed CUPs for Refineries and Asphalt Manufacturers

- Required to
 - Submit Health Impact Assessment
 - Submit truck route plans
 - Must demonstrate to City Planning Commission that:
 - Project will not cause traffic congestion
 - Facility will not detrimentally affect residential and sensitive land uses within 1,500 feet



Recent research on risks from...

LIVING NEAR BUSY ROADS OR TRAFFIC POLLUTION







Who is at risk, and what might the risks be?

BABIES

- weigh less at birth
- be born early (premature)
 have problems with behavior, learning or even autism

PREGNANT WOMEN

- pregnancy problem high blood pressure

CHILDREN

- asthma go to the hospital for asthma ear, nose, throat infections smaller lungs for life obesity

TEENAGERS

- smaller lungs for life

ADULTS

- heart disease

SENIORS

- heart attacks
- lung problems
- memory problems
- shorter life

Air Filter Requirement

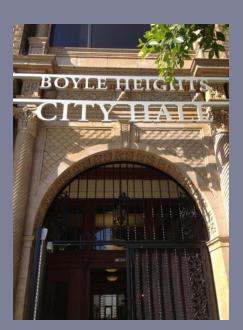


- Who does this affect?
 - New and expanding developments (single family homes & duplexes exempt)
- Where are they affected?
 - Within 1,000 feet of a freeway
- What must they do?
 - Install high-grade air filters
 - MERV 13 for Residential
 - MERV 8 for Industrial and Commercial

HEALTHY ECONOMY: THE OMBUDSPERSON

- ✓ More aid in complying with current environmental regulations
- ✓ Assistance accessing financial and technical resources available through public sector programs









IMPROVED COMMUNITY HEALTH

- ✓ Healthier work environment
- ✓ Healthier employees
- ✓ Improved relationship with surrounding neighborhood residences







PUBLIC HEARING

- Hearing in each of 3 Proposed Green Zones
- June 2015 By Heights
- June 5, 2015 Will ington
- June 22, 17 / Pacima/Sun Valley

REVIEW

- Planning Department writes staff report
- Deadline for public comments July 13, 2015



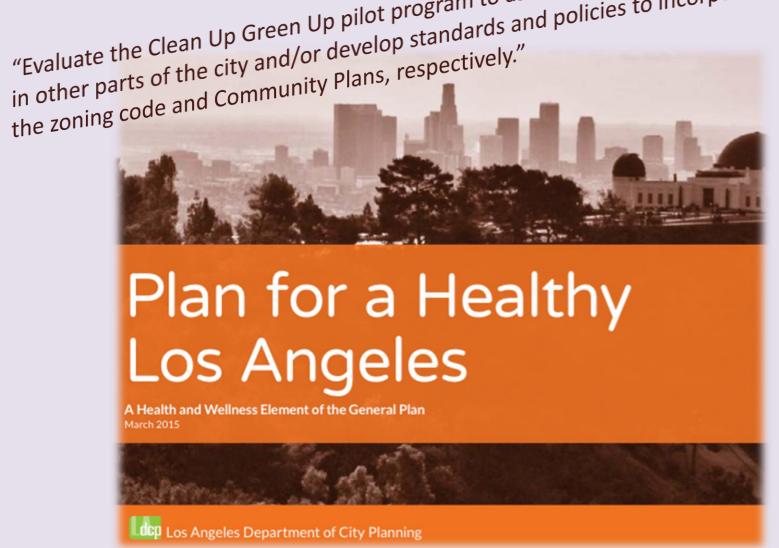
Scheduled to go before CPC August 13th

PLUM

• TBD

CITY COUNCIL • TBD

"Evaluate the Clean Up Green Up pilot program to assess how it can be replicated in other parts of the city and/or develop standards and policies to incorporate into





TRANSFORMING LOS ANGELES

ENVIRONMENT I ECONOMY I EQUITY

"Implement and expand Clean Up Green Up program..."





COMMUNITY ACTION

- ✓ Endorse CUGU
- √ Write a letter of support
- √ Testify at hearings
- √ Sign up for action alerts
- ✓ Sign up to be an advocate



